Air Preparation (FRL)

Going right back to 1927 when Carl Norgren first sketched out the design for the original FRL, IMI Precision Engineering have been at the forefront of air preparation products.

In this section you will find a whole family of air preparation products. Tried and tested Olympian Plus and Excelon® ranges, miniature and large capacity units. We list units for general purpose use and more specialised applications - precision regulators, stainless steel units, valves for safety critical situations, etc.

Use the fast find guide to speed you to the right product to get the job done, pdf datasheets are available online via the webstore or call the team for rapid quotation and delivery.



Fast Find Guide

Please note: These products represent only part of the IMI Precision Engineering air preparation range.
If you can't see the option you require please contact us.

Olympian Plus – Plug-in, Quick Change System

Combination filter/ regulator & lubricator
BL64, BL68
G1/2 & G1

EXPRESS Page 513

General purpose filters
F64G, F68G
G1/4 … G11/2

EXPRESS Page 514

High efficiency oil removal filters
F64C/H, F68C/H
G1/4 … G1

EXPRESS Page 516

High efficiency oil/oil vapour removal filters
F64B/L, FFV68
G1/4 … G1

Page 518

Filter combination units
FFB64, FFB68
G1/4 … G3/8

Page 520

Pressure regulators
R64G, R68G
G1/4 … G11/2

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Filter/regulators
B64G, B68G
G1/4 … G11/2

EXPRESS Page 524

Lubricators
L64, L68
G1/4 … G11/2

EXPRESS Page 526

Soft start/dump valves
P64F, P68F
G1/4 … G3/4

EXPRESS Page 528

Monitored soft start/ dump valve
P64S
G1/4 … G3/4

Page 529

Pressure relief valves
V64H, V68H
G1/4 … G1

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Accessories

EXPRESS Page 532

Excelon® Plus – Modular System

Combination filter/ regulators & lubricators
BL84
G3/8 … G3/4

Page 534

General purpose filters
F84G
G3/8 … G3/4

Page 536

'Puraire'® high efficiency oil removal filters
F84C
G3/8 … G3/4

Page 538

'Ultraire'® high efficiency oil vapour removal filters
F84V
G3/4

Page 540

Pressure regulators
R84G
G3/8 … G3/4

Page 542

Filter/regulators
B84G
G3/8 … G3/4

Page 543

Micro- and oilfog lubricator
L84M, L84C
G3/8 … G3/4

Page 545

3/2 Shut-off valves
T84T
G3/8 … G3/4

Page 547

Accessories

Page 548

Excelon® – Modular System

Combination filter/ regulator & lubricator
BL72, BL73, BL74
G1/4 … G1/2

EXPRESS Page 550

General purpose filters
F72G, F73G, F74G
G1/4 … G3/4

EXPRESS Page 551

High efficiency Oil removal filters
F72C, F73C, F74C, F74H
G1/4 … G3/4

EXPRESS Page 553

High efficiency Oil vapour removal filters
F72V, F74V
G1/4 … G3/4

EXPRESS Page 554

Pressure regulators
R72G, R73G, R74G
G1/4 … G3/4

EXPRESS Page 555

Manifold regulator
R72M, R74M
G1/4, G3/8, G1/2, G3/4

Page 557

Filter/regulators
B72G, B73G, B74G
G1/4 … G3/4

EXPRESS Page 559

Lubricators
L72, L73, L74
G1/4 … G3/4

EXPRESS Page 561

Soft start/dump valves
P72F, P74F
G1/4 … G3/4

EXPRESS Page 563

Monitored soft start/ dump valves
P74S
G1/2

Page 564

Pressure relief valves
V72G, V74G
G1/4 … G3/4

EXPRESS Page 565

Accessories

EXPRESS Page 566

Fast Find Guide

Please note: These products represent only part of the IMI Precision Engineering air preparation range.
If you can't see the option you require please contact us.

49 Series FRL

F49G
1/8 … 1/2" (ISO G)

EXPRESS Page 567

R49G
1/8 … 1/2" (ISO G)

EXPRESS Page 570

L49C
1/8 … 1/2" (ISO G)

EXPRESS Page 573

B49G
1/8 … 1/2" (ISO G)

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C49B
1/8 … 1/2" (ISO G)

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BL49
1/8 … 1/2" (ISO G)

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Miniature Series, General Purpose

Filter/regulators and lubricators
P1H
G1/8, G1/4

EXPRESS Page 584

General purpose filter
F07
G1/8, G1/4

EXPRESS Page 585

Puraire® oil removal filter
F39
G1/8, G1/4

EXPRESS Page 586

Pressure regulators
R07
G1/8, G1/4

EXPRESS Page 587

Filter/regulator
B07
G1/8, G1/4

EXPRESS Page 588

Lubricators
L07
G1/8, G1/4

EXPRESS Page 589

Pressure relief valve – diaphragm type V07
G1/8, G1/4

EXPRESS Page 590

Large Capacity Series Units

General purpose filters
F17
3/4" … 1 1/2"

Page 591

General purpose filters
F18
G1 1/2 & 2"

EXPRESS Page 592

Oil removal filters
F47
11/2" & 2"

Page 593

Pilot operated regulators
11-808, R18, 11-400/11-204
G1/4 … G2

Page 594

Micro-fog and oil-fog lubricators
L17
3/4" … 1 1/2"

Page 596

Online at www.imi-precision.com

Fast Find Guide

Please note: These products represent only part of the IMI Precision Engineering air preparation range. If you can't see the option you require please contact us.

Special Purpose

Pre-set regulator R16 G1/4  EXPRESS Page 598	**Fast response pressure regulators 20AG** G1/2 … G1  Page 599	**'Micro Trol' special purpose pressure regulators R24** G1/4 … G1 1/4  Page 600	**Precision and instrument regulator 11-818, R27** G1/4  EXPRESS Page 601

Stainless Steel – General Purpose and Precision

Filters, pressure regulators, lubricators F22, R22, L22 1/2" NPTF  Page 602	**General purpose filter/regulator B38** 3/8" … 3/4" PTF  Page 604	**Precision regulator & filter regulator R38, B38** 1/4" NPTF  Page 605	**General purpose regulators & filter regulator R05, B05** 1/4" PTF  Page 606

Accessories

Gauges  EXPRESS Page 607	**Auto drain**  Page 607	**Drip leg drain**  Page 607

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Meet Excelon® Plus: the next generation of Air Preparation offering exceptional performance. Designed with safety in mind, it offers built in tamper-proof technology and a unique double safety lock on the bowl. Quality construction that's robust yet 35% lighter and 20% smaller. It all makes Excelon® Plus safer, simpler and faster to service, keeping your machines moving safely and efficiently.

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IMI Precision Engineering



Air preparation
Box Sets

The IMI Norgren 'box set' concept takes away that potential by giving you one product, one part number, at one price - a total package. The unit is pre-assembled before despatch and also includes a strong mounting bracket, pressure gauge and an exhausting shut-off valve for isolation of the upstream supply. Choose either a larger Olympian Plus unit, or the smaller Excelon® unit, each with their own special features to suit the application.

- Olympian has a unique plug-in yoke system, with ¼ turn release mechanism for units each having a built-in safety feature to prevent incorrect installation and potential unsafe removal, saving time and money with shortest downtime and lowest stocking cost of replacement parts
- Excelon® has a modular 'Quikclamp' system allowing units to be quickly and easily removed without disturbing pipework
- Metal bowls on Olympian unit offers greatest protection against contamination and contains an automatic drain valve for safe removal of contaminant (filter only)



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OLYMPIAN PLUS PLUG-IN SYSTEM

Combination filter/regulators and lubricator BL64, BL68 – G1/2 & G1

- Shut off valve for safe isolation of supply
- General purpose filter removing condensate and particle contamination
- Regulator ensuring optimum working pressure for economy and safety
- Lubricator to deliver a correct level of oil lubrication into the downstream system optimising life expectancy of other products
- Sturdy bracket for correct mounting
- Pressure gauge for constant monitoring of output pressure

Technical Data

Medium:
Compressed air only

Maximum inlet pressure:
17 bar

Ambient temperature:
-20°C … +80°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Pressure range:
BL64: 0,3 … 10 bar
BL68: 0,4 … 8 bar
Note: Outlet pressure can be adjusted in excess of and also less than those listed

Gauge ports:
Rc1/8

Materials

BL64:
Body & Yoke: Zinc alloy
Connection piece: Aluminium
Metal bowl: Aluminium
Prismatic liquid level indicator: Grilamid
Sight dome: Transparent PA
Element: Sintered Plastic
Elastomers: NBR

BL68:
Body, Bowl & Yoke: Aluminium
Liquid level indicator: Pyrex
Filter element: Sintered plastic
Elastomers: NBR

EXPRESS

BL64

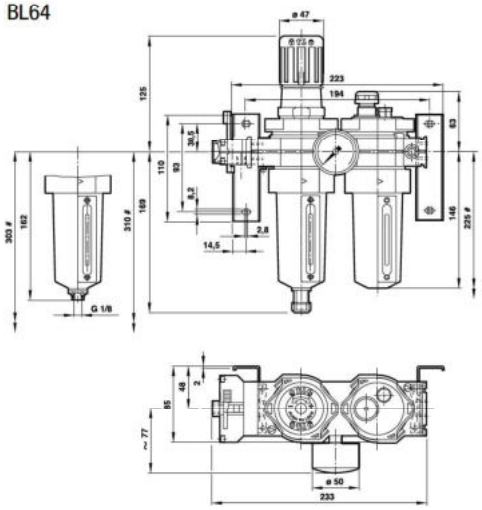


BL68

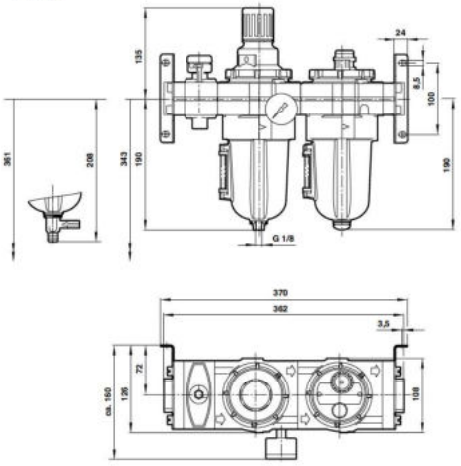


Dimensions

BL64



BL68



Minimum clearance required to remove bowl

Options

- Alternative outlet ranges
- Alternatve port sizes
- Element 5um
- Alternative bowl options
- Oil fog lubricator

Models

Accessories

Service Kit

Boxed sets BL64 and BL68 with shut-off valve			Tamper resistant kit	Quick fill nipple	Service kits	
Auto drain Model	Manual drain Model	Port size			Auto drain	Manual drain
						
BL64-401	BL64-421	G1/2	4355-51	18-011-024	B64G-KITA40R & L64M-KIT	B64G-KITM40R & L64M-KIT
BL68-801	BL68-821	G1	4355-51	18-011-021	B68G-KITA40R & L68M-KIT	B68G-KITM40R & L68M-KIT

Boxed sets BL64 and BL68 without shut-off valve			Tamper resistant kit	Quick fill nipple	Service kits	
Auto drain Model	Manual drain Model	Port size			Auto drain	Manual drain
						
BL64-405	BL64-425	G1/2	4355-51	18-011-024	B64G-KITA40R & L64M-KIT	B64G-KITM40R & L64M-KIT
BL68-805	BL68-825	G1	4355-51	18-011-021	B68G-KITA40R & L68M-KIT	B68G-KITM40R & L68M-KIT

Online at www.imi-precision.com

OLYMPIAN PLUS PLUG-IN SYSTEM

General purpose filters F64G, F68G – G1/4 … G1/2

- Effective liquid removal and positive solid filtration
- Large filter element area for minimum pressure drop

Technical Data

Medium:
Compressed air only

Maximum inlet pressure:
17 bar

Ambient temperature:
-20°C … +80°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Materials

F64G:
Body & Yoke: Zinc alloy
Connection piece: Aluminium
Metal bowl: Aluminium
Prismatic liquid level indicator: Grilamid
Filter element: Sintered plastic
Elastomers: NBR

F68G:
Body, Bowl & Yoke: Aluminium
Liquid level indicator: Pyrex
Filter element: Sintered plastic
Elastomers: NBR

EXPRESS

F64G

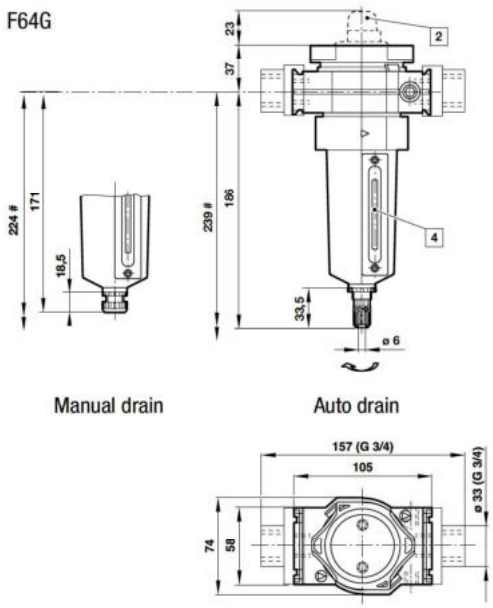


F68G

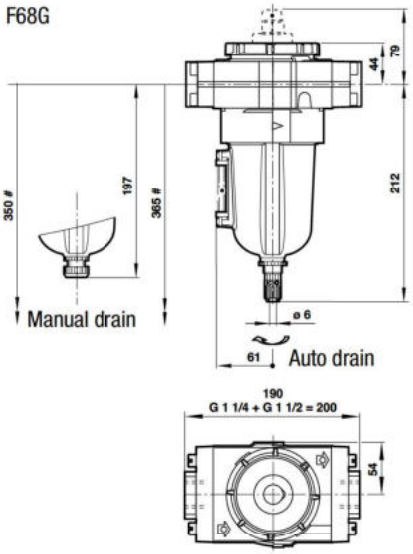


Dimensions

F64G



F68G



Minimum clearance required to remove bowl
[2] Service indicator optional
[4] Sight glass

Options

- Alternative thread forms
- Alternative bowl sizes (68)
- Mechanical service life indicator

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and use the new improved search function. If you cannot see the option you require please contact us.

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OLYMPIAN PLUS PLUG-IN SYSTEM

General purpose filters F64G, F68G – G1/4 … G11/2

Models

Accessories

Service Kit

F64G series Auto drain Model	Manual drain Model	Port size	Flow* (dm^3/s)	Element (µm)	Wall mounting bracket	3/2 Shut-off valve**	Silencer (shut-off valve)	Auto drain	Manual drain
									
F64G-2GN-AD3	F64G-2GN-MD3	G1/4	33	40	74504-50	T64T-2GB-P1N	T40B1800	F64G-KITA40	F64G-KITM40
F64G-3GN-AD3	F64G-3GN-MD3	G3/8	66	40	74504-50	T64T-3GB-P1N	T40B1800	F64G-KITA40	F64G-KITM40
F64G-4GN-AD3	F64G-4GN-MD3	G1/2	75	40	74504-50	T64T-4GB-P1N	T40B1800	F64G-KITA40	F64G-KITM40
F64G-6GN-AD3	F64G-6GN-MD3	G3/4	75	40	74504-50	T64T-6GB-P1N	T40B1800	F64G-KITA40	F64G-KITM40
F64G-2GN-AD1	F64G-2GN-MD1	G1/4	33	5	74504-50	T64T-2GB-P1N	T40B1800	F64G-KITA05	F64G-KITM05
F64G-3GN-AD1	F64G-3GN-MD1	G3/8	66	5	74504-50	T64T-3GB-P1N	T40B1800	F64G-KITA05	F64G-KITM05
F64G-4GN-AD1	F64G-4GN-MD1	G1/2	75	5	74504-50	T64T-4GB-P1N	T40B1800	F64G-KITA05	F64G-KITM05
F64G-6GN-AD1	F64G-6GN-MD1	G3/4	75	5	74504-50	T64T-6GB-P1N	T40B1800	F64G-KITA05	F64G-KITM05

F68G series Auto drain Model	Manual drain Model	Port size	Flow* (dm^3/s)	Element (µm)	Wall mounting bracket	3/2 Shut-off valve**	Silencer (shut-off valve)	Auto drain	Manual drain
									
F68G-6GN-AR3	F68G-6GN-MR3	G3/4	160	40	18-001-979	T68H-6GB-B2N	T40B2800	F68G-KITA40	F68G-KITM40
F68G-8GN-AR3	F68G-8GN-MR3	G1	190	40	18-001-979	T68H-8GB-B2N	T40B2800	F68G-KITA40	F68G-KITM40
F68G-AGN-AR3	F68G-AGN-MR3	G1 1/4	200	40	18-001-978	T68H-AGB-B2N	T40B2800	F68G-KITA40	F68G-KITM40
F68G-BGN-AR3	F68G-BGN-MR3	G1 1/2	200	40	18-001-972	T68H-BGB-B2N	T40B2800	F68G-KITA40	F68G-KITM40
F68G-6GN-AR1	F68G-6GN-MR1	G3/4	160	5	18-001-979	T68H-6GB-B2N	T40B2800	F68G-KITA05	F68G-KITM05
F68G-8GN-AR1	F68G-8GN-MR1	G1	190	5	18-001-979	T68H-8GB-B2N	T40B2800	F68G-KITA05	F68G-KITM05
F68G-AGN-AR1	F68G-AGN-MR1	G1 1/4	200	5	18-001-978	T68H-AGB-B2N	T40B2800	F68G-KITA05	F68G-KITM05
F68G-BGN-AR1	F68G-BGN-MR1	G1 1/2	200	5	18-001-972	T68H-BGB-B2N	T40B2800	F68G-KITA05	F68G-KITM05

* Typical flow with 6,3 bar inlet pressure and 0,5 bar pressure drop.

** Threaded exhaust port.

For replacement filter (without yoke) substitute 'N' at the 5th and 6th digits eg: F68G-NNN-AR3 (F68).

For other styles of mounting bracket and accessories, please refer to page 532.

OLYMPIAN PLUS PLUG-IN SYSTEM

'Puraire'® high efficiency oil removal filters F64C/H, F68C/H – G1/4 … G1

- High efficiency coalescing filters
- Coalescing element removes sub-micron particles and converts oil and water mist to liquid form to drain away
- Service indicator standard

Technical Data

Medium:
Compressed air only

Maximum inlet pressure:
17 bar

Remaining oil content:
0,01 mg/m³ max at 21°C

Particle removal:
To 0,01 µm

Ambient temperature:
-20°C … +65°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Materials

F64C/H:
Body & Yoke: Zinc alloy
Connection piece: Aluminium
Metal bowl: Aluminium
Element: Composite
Prismatic liquid level indicator: Grilamid
Elastomers: NBR

F68C/H:
Body, Yoke & Bowl: Aluminium
Liquid level indicator: Pyrex
Element: Synthetic fibre & PU foam
Elastomers: NBR

Service life indicator:
Body: Transparent PA
Internal parts: Acetal
Spring: Stainless steel
Elastomers: NBR

EXPRESS

F64C/H

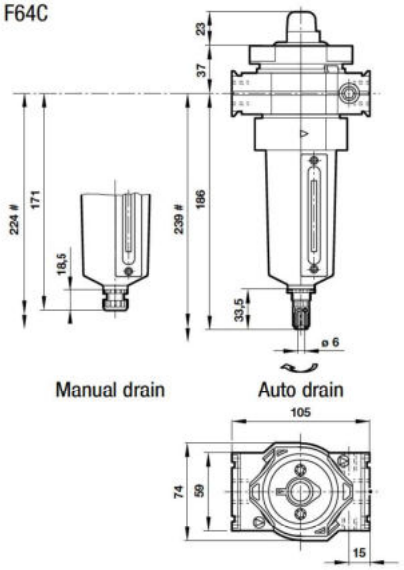


F68C/H

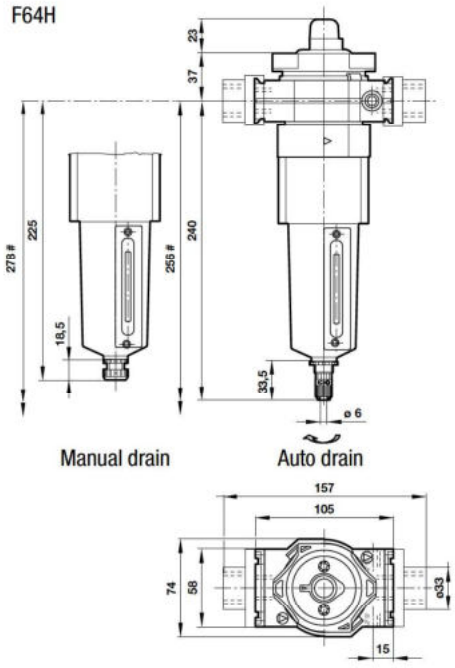


Dimensions

F64C

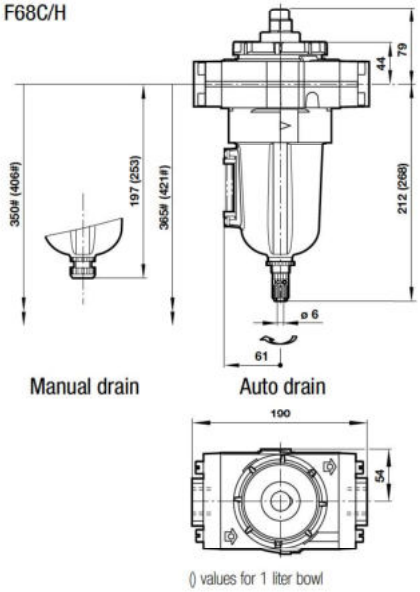


F64H



Minimum clearance required to remove bowl

F68C/H



() values for 1 liter bowl

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OLYMPIAN PLUS PLUG-IN SYSTEM

'Puraire'® high efficiency oil removal filters F64C/H, F68C/H – G1/4 … G1

Models

Accessories

Service Kit

F64C/H series Auto drain Model	Manual drain Model	Port size	Flow* (dm³/s)	Wall mounting bracket	3/2 Shut-off valve**	Silencer (shut-off valve)	Auto drain	Manual drain
								
F64C-2GD-AD0	F64C-2GD-MD0	G1/4	16	74504-50	T64T-2GB-P1N	T40B1800	F64C-KITA0C	
F64H-3GD-AD0	F64H-3GD-MD0	G3/8	28	74504-50	T64T-3GB-P1N	T40B1800	F64H-KITA0C	
F64H-4GD-AD0	F64H-4GD-MD0	G1/2	28	74504-50	T64T-4GB-P1N	T40B1800	F64H-KITA0C	
F64H-6GD-AD0	F64H-6GD-MD0	G3/4	28	74504-50	T64T-6GB-P1N	T40B1800	F64H-KITA0C	

F68C/H series Auto drain Model	Manual drain Model	Port size	Flow* (dm³/s)	Wall mounting bracket	3/2 Shut-off valve**	Silencer (shut-off valve)	Auto drain	Manual drain
								
F68C-4GD-AR0	F68C-4GD-MR0	G1/2	35	18-001-979	T68H-4GB-B2N	T40B2800	F68H-KITA0C	
F68H-6GD-AU0	F68H-6GD-MU0	G3/4	35	18-001-979	T68H-6GB-B2N	T40B2800	F68H-KITA0C	
F68H-8GD-AU0	F68H-8GD-MU0	G1	60	18-001-979	T68H-8GB-B2N	T40B2800	F68H-KITA0C	

* To maintain stated oil content at 6,3 inlet pressure. ** Threaded exhaust port.
For replacement filter (without yoke) substitute 'N' at the 5th and 6th digits eg: F68H-NND-AU0.
For other styles of mounting bracket and accessories, please refer to page 532.

Typical performance characteristics

Inlet pressure (bar)	Maximum flow dm³/s*			
	F64C	F64H	F68C	F68H
1	6,4	11,2	14	24
3	11,0	19,3	24	41
5	14,3	24,9	31	53
6,3	16,0	28,0	35	60
7	16,9	29,5	36,7	63
9	19,1	33,5	42	72

* Maximum flow to maintain stated oil removal performance.

Options

- Alternative thread forms
- Alternative bowl sizes (68)
- Without service life indicator

Online at www.imi-precision.com

OLYMPIAN PLUS PLUG-IN SYSTEM

'Ultraire'® high efficiency oil/oil vapour removal filters F64B/L, FFV68 – G1/4 … G1

- F64B/F64L are 'dual function' products incorporating an oil removal element (bottom) and an oil vapour removal element (top)
- FFV68 are two separate coupled filters (F68C/H & F68V/Y)
- Ultra high efficiency coalescing filters with active carbon pack
- Carbon pack assists in the removal of hydro-carbon gases and odours
- High Intensity blue colour change indication when contaminated
- Carbon pack service life 1000 hours at 21°C

Technical Data

Medium:
Compressed air only

Maximum inlet pressure:
17 bar

Remaining oil content:
0,003 mg/m³ at 21°C

Particle removal:
To 0,01 µm

Ambient temperature:
-20°C … +65°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Materials

F64B/L:
Body & Yoke: Zinc alloy
Connection piece: Aluminium
Metal bowl: Aluminium
Main filter element & Activated carbon pack: Composite materials
Prismatic liquid level indicator: Grilamid
Elastomers: NBR

FFV68:
Body, Yoke & Bowl: Aluminium
Liquid level indicator: Pyrex
Main filter element & Activated carbon pack: Composite materials
Elastomers: NBR
Service life indicator:
Body: Transparent PA
Internal parts: Acetal
Spring: Stainless steel
Elastomers: NBR

F64B/L

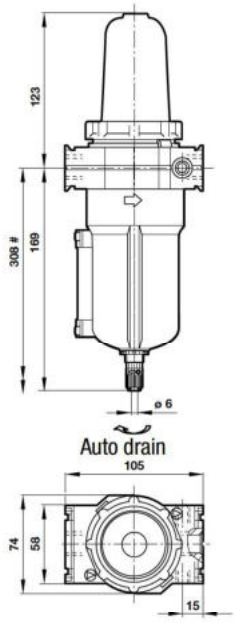


FFV68

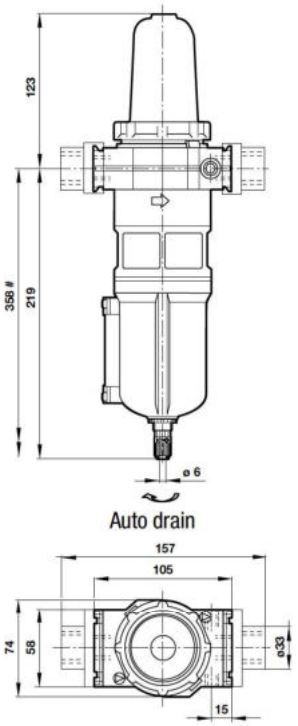


Dimensions

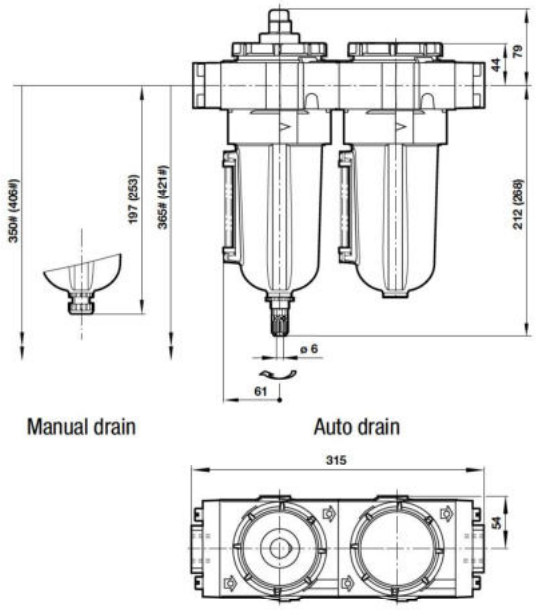
F64B



F64L



FFV68



Minimum clearance required to remove bowl
() values for 1 liter bowl

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OLYMPIAN PLUS PLUG-IN SYSTEM

'Ultraire'® high efficiency oil/oil vapour removal filters F64B/L, FFV68 – G1/4 … G1

Models

Accessories

Service Kit

F64B/L series Auto drain Model	Port size	Flow* (dm³/s)	Wall mounting bracket	3/2 Shut-off valve**	Silencer (shut-off valve)	Auto drain
						
F64B-2GN-AR0	G1/4	7	74504-50	T64T-2GB-P1N	T40B1800	F64B-KITA0V
F64L-3GN-AR0	G3/8	11	74504-50	T64T-3GB-P1N	T40B1800	F64L-KITA0V
F64L-4GN-AR0	G1/2	11	74504-50	T64T-4GB-P1N	T40B1800	F64L-KITA0V
F64L-6GN-AR0	G3/4	11	74504-50	T64T-6GB-P1N	T40B1800	F64L-KITA0V

FFV68 series Auto drain Model	Port size	Flow* (dm³/s)	Wall mounting bracket	3/2 Shut-off valve**	Silencer (shut-off valve)	Auto drain
						
FFV68-408	G1/2	25	18-001-979	T68H-4GB-B2N	T40B2800	F68H-KITA0C, F68V-KIT00V
FFV68-608	G3/4	35	18-001-979	T68H-6GB-B2N	T40B2800	F68H-KITA0C, F68V-KIT00V
FFV68-808	G1	60	18-001-979	T68H-8GB-B2N	T40B2800	F68H-KITA0C, F68V-KIT00V

* To maintain stated oil at 6,3 bar inlet pressure.
** Threaded exhaust port.

For other styles of mounting bracket and accessories, please refer to page 532.

Typical performance characteristics

Inlet pressure (bar)	Maximum flow dm³/s*			
	F64B	F64L	FFV68-408	FFV68-608
1	2,8	4,4	10	24
3	4,8	7,6	17	41
5	6,2	9,8	20	53
6,3	7,0	11,0	25	60
7	7,3	11,5	26	63
9	8,4	13,2	30	72

* Maximum flow to maintain stated oil removal performance.

Options

- Alternative thread forms
- Manual drains

Online at www.imi-precision.com

OLYMPIAN PLUS PLUG-IN SYSTEM

Filter combination units FFB64 & FFB68 – G1/4 … G3/4

- Pre-assembled combinations include a general purpose pre-filter and 'Ultraire'® oil/oil vapour removal filter
- Activated carbon pack assists in the removal of hydro-carbon gases and odours
- Pre filter extends life of oil removal filter

Technical Data

Medium:
Compressed air only

Maximum inlet pressure:
17 bar

Remaining oil content:
0,003 mg/m³ at 21°C

Particle removal:
To 0,01 µm

Ambient temperature:
-20°C … +65°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

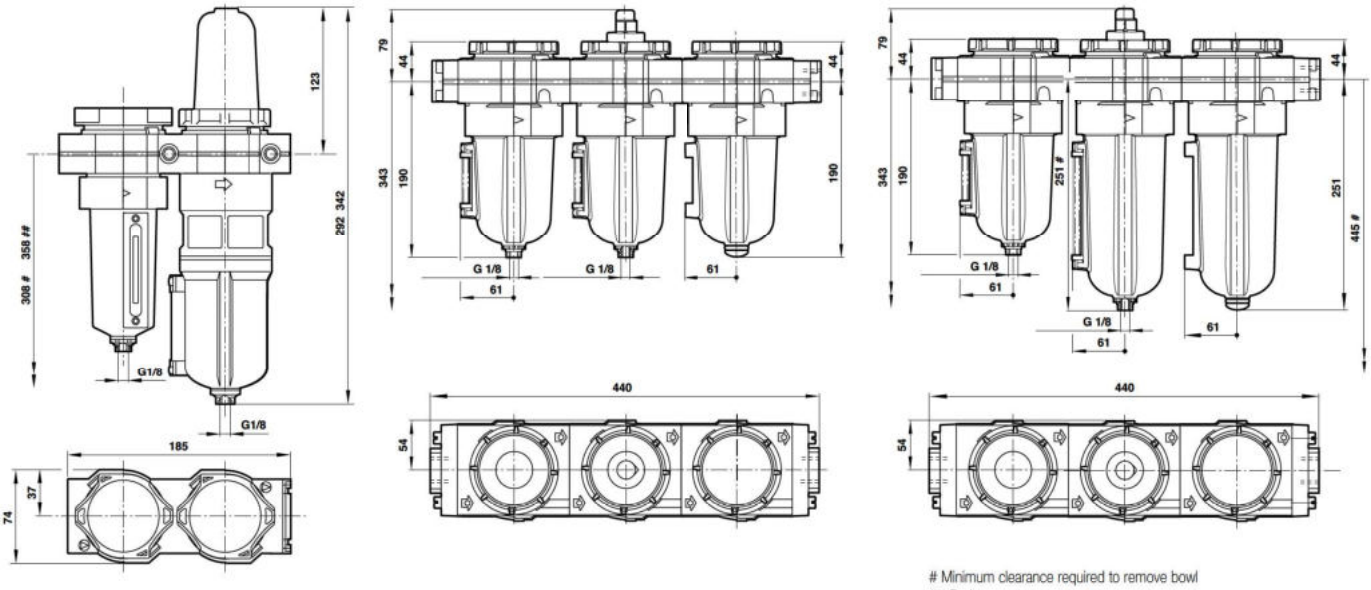
Materials

Bowl: Aluminium & Zinc
Body:
64 series - Zinc Alloy
68 series - Aluminium
Pre-filter element: Sintered bronze or Plastic
Main filter element & Activated carbon pack: Composite materials



Dimensions

3 sizes depending on Flow requirements



Minimum clearance required to remove bowl
Drain

Models

FFB64 series Auto drain Model	Port size	Flow* (dm³/s)	Primary pre-filter (µm)
FFB64-208	G1/4	7	5
FFB64-308	G3/8	11	5
FFB68-408	G1/2	35	25
FFB68-608	G3/4	60	25

Accessories

Wall mounting bracket	3/2 Shut-off valve**	Silencer (shut-off valve)
74504-50	T64T-2GB-P1N	T40B1800
74504-50	T64T-3GB-P1N	T40B1800
18-001-979	T68H-4GB-B2N	T40B2800
18-001-979	T68H-6GB-B2N	T40B2800

Service Kit

F64G-KITA05 & F64B-KITA0V
F64G-KITA05 & F64L-KITA0V
–
–

** Threaded exhaust port.
For service kit numbers refer to individual units.
For other styles of mounting bracket and accessories, please refer to page 532.

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IMI NORGREN



Energy saving
in compressed air systems

Compressed air is often wrongly assumed to be a cheap or even 'free' source of power. It is not.

Numerous independent studies confirm that industry wastes around 30% of the compressed air it generates. The aim of IMI Precision Engineering is to help the end user minimise wastage, by improving existing installed systems. It will highlight key areas for savings, and offer practical advice on an action plan.

Sources of energy loss in compressed air systems:

- Leakage
- Misuse
- Over pressurisation
- Pressure drop

Components that can help energy saving:

- Energy and safety: components fitted for safety reasons, such as preset regulators and shut off valves and tamper resistant covers
- Generation: the correct selection of control equipment to multiple compressor set ups, attention to inlet cooling and after treatment of the compressed air can realise good energy savings. Regular and correct maintenance of compressors, filters and dryers is also vital.

Engineering GREAT Solutions

Find out more
www.imi-precision.com

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IMI Precision Engineering

OLYMPIAN PLUS PLUG-IN SYSTEM

Pressure regulators R64G, R68G – G1/4 … G1 1/2

- Diaphragm and balanced valve design ensure good regulation characteristics
- Non-rising adjusting knob has snap-action lock

Technical Data

Medium:
Compressed air only

Maximum inlet pressure:
R64G: 17 bar
R68G: 20 bar

Gauge ports:
Rc1/8

Ambient temperature:
-20°C … +80°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Pressure range:
R64G: 0,3 … 10 bar (Knob)
0,7 … 17 bar (T-bar)
R68G: 0,4 … 8 bar (Knob)
0,7 … 17 bar (T-bar)
Note: Outlet pressure can be adjusted in excess of and also less than those listed

Materials

R64G:
Body & Yoke: Zinc alloy
Connection piece: Aluminium
Bonnet: Aluminium
Adjusting knob: Acetal resin
Elastomers: NBR

R68G:
Body, Yoke & Bonnet: Aluminium
Adjusting knob: Acetal resin
Elastomers: NBR

EXPRESS

R64G

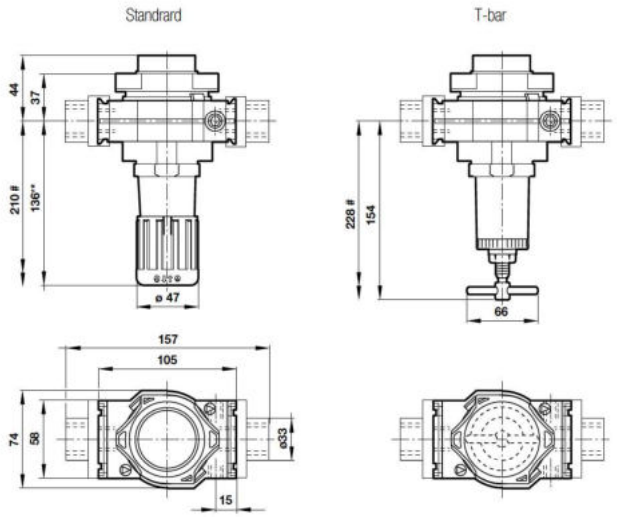


R68G

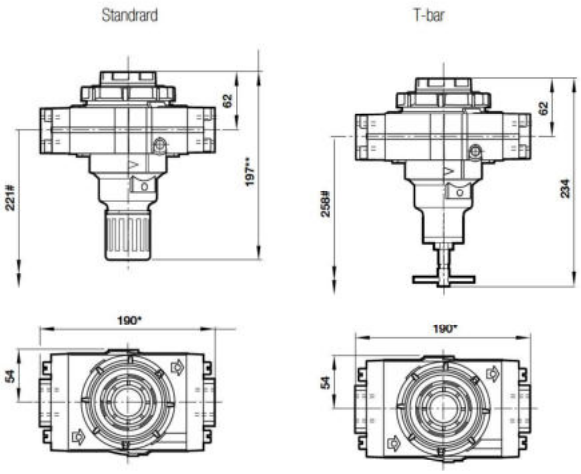


Dimensions

R64G



R68G



Minimum clearance required to remove unit from yoke
* For 1 1/4 and 1 1/2 ported yokes add 10 mm
** Reduces by 4 mm with knob in locked position

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IMI NORGREN

OLYMPIAN PLUS PLUG-IN SYSTEM

Pressure regulators R64G, R68G – G1/4 … G1 1/2

Models

Accessories

Service Kit

R64G series Model	Port size	Pressure range (bar)	Flow* (dm^3/s)	Bonnet	Wall mounting bracket	Gauge	3/2 Shut-off valve**	Silencer (shut-off valve)	Tamper resistant kit	
										
R64G-2GK-RMN	G1/4	0,3 … 10	33	Knob	74504-50	18-015-013 (0 … 10 bar)	T64T-2GB-P1N	T40B1800	4355-51	R64G-KITR
R64G-3GK-RMN	G3/8	0,3 … 10	80	Knob	74504-50	18-015-013 (0 … 10 bar)	T64T-3GB-P1N	T40B1800	4355-51	R64G-KITR
R64G-4GK-RMN	G1/2	0,3 … 10	120	Knob	74504-50	18-015-013 (0 … 10 bar)	T64T-4GB-P1N	T40B1800	4355-51	R64G-KITR
R64G-6GK-RMN	G3/4	0,3 … 10	120	Knob	74504-50	18-015-013 (0 … 10 bar)	T64T-6GB-P1N	T40B1800	4355-51	R64G-KITR
R64G-2GT-RSN	G1/4	0,7 … 17	33	T-bar	74504-50	18-015-014 (0 … 25 bar)	T64T-2GB-P1N	T40B1800	–	R64G-KITR
R64G-3GT-RSN	G3/8	0,7 … 17	80	T-bar	74504-50	18-015-014 (0 … 25 bar)	T64T-3GB-P1N	T40B1800	–	R64G-KITR
R64G-4GT-RSN	G1/2	0,7 … 17	120	T-bar	74504-50	18-015-014 (0 … 25 bar)	T64T-4GB-P1N	T40B1800	–	R64G-KITR
R64G-6GT-RSN	G3/4	0,7 … 17	120	T-bar	74504-50	18-015-014 (0 … 25 bar)	T64T-6GB-P1N	T40B1800	–	R64G-KITR

R68G series Model	Port size	Pressure range (bar)	Flow* (dm^3/s)	Bonnet	Wall mounting bracket	Gauge	3/2 Shut-off valve**	Silencer (shut-off valve)	Tamper resistant kit	
										
R68G-6GK-RLN	G3/4	0,4 … 8	150	Knob	18-001-979	18-015-013 (0 … 10 bar)	T68H-6GB-B2N	T40B2800	4355-51	R68G-KITR
R68G-8GK-RLN	G1	0,4 … 8	170	Knob	18-001-979	18-015-013 (0 … 10 bar)	T68H-8GB-B2N	T40B2800	4355-51	R68G-KITR
R68G-AGK-RLN	G1 1/4	0,4 … 8	170	Knob	18-001-978	18-015-013 (0 … 10 bar)	T68H-AGB-B2N	T40B2800	4355-51	R68G-KITR
R68G-BGK-RLN	G1 1/2	0,4 … 8	170	Knob	18-001-972	18-015-013 (0 … 10 bar)	T68H-BGB-B2N	T40B2800	4355-51	R68G-KITR
R68G-6GT-RSN	G3/4	0,7 … 17	150	T-bar	18-001-979	18-015-014 (0 … 25 bar)	T68H-6GB-B2N	T40B2800	–	R68G-KITR
R68G-8GT-RSN	G1	0,7 … 17	170	T-bar	18-001-979	18-015-014 (0 … 25 bar)	T68H-8GB-B2N	T40B2800	–	R68G-KITR
R68G-AGT-RSN	G1 1/4	0,7 … 17	170	T-bar	18-001-978	18-015-014 (0 … 25 bar)	T68H-AGB-B2N	T40B2800	–	R68G-KITR
R68G-BGT-RSN	G1 1/2	0,7 … 17	170	T-bar	18-001-972	18-015-014 (0 … 25 bar)	T68H-BGB-B2N	T40B2800	–	R68G-KITR

* Typical flow with 10 bar inlet pressure and 1 bar droop from set pressure of 6,3 bar.

** Threaded exhaust port.

For replacement regulator (without yoke) substitute 'N' at the 5th and 6th digits eg: R68G-NNK-RLN.

For other styles of mounting bracket and accessories, please refer to page 532.

Options

- Alternative thread forms
- Alternative outlet ranges
- Non-relieving options

OLYMPIAN PLUS PLUG-IN SYSTEM

Filter/regulators B64G, B68G – G1/4 … G11/2

- High efficiency water removal
- Good regulation characteristics
- Non-rising adjusting knob has snap-action lock

Technical Data

Medium:
Compressed air only

Maximum inlet pressure:
17 bar

Gauge ports:
Rc1/8

Ambient temperature:
-20°C … +80°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Pressure range:
B64G: 0,3 … 10 bar (Knob)
0,7 … 17 bar (T-bar)
B68G: 0,4 … 8 bar (Knob)
0,7 … 17 bar (T-bar)
Note: Outlet pressure can be adjusted in excess of and also less than those listed

Materials

B64G:
Body & Yoke: Zinc alloy
Bonnet & Bowl: Aluminium
Elastomers: NBR
Filter element: Sintered plastic

B68G:
Body, Bonnet, Bowl & Yoke: Aluminium
Adjusting knob: Acetal resin
Elastomers: NBR
Filter element: Sintered plastic

EXPRESS

B64G

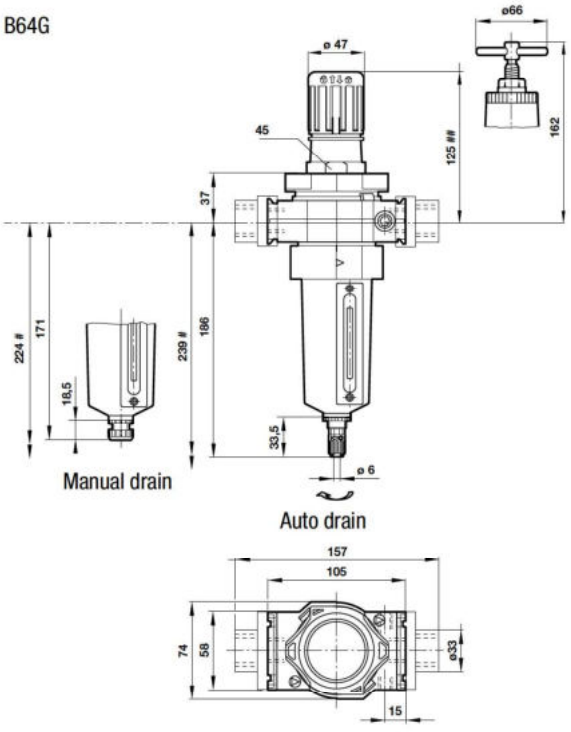


B68G

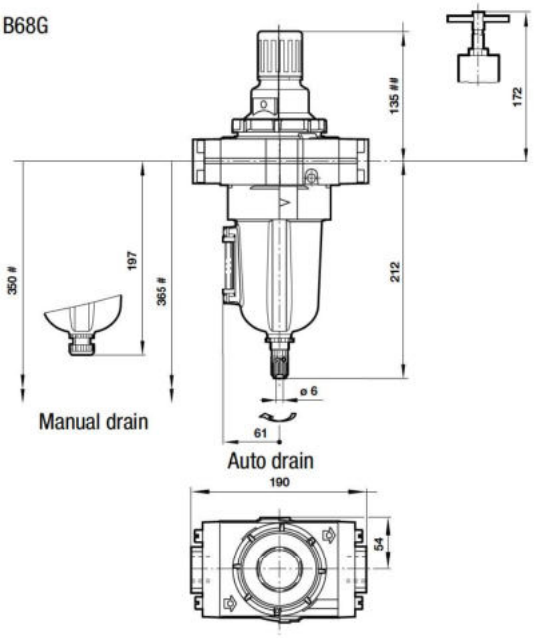


Dimensions

B64G



B68G



Minimum clearance required to remove bowl
Reduces by 4 mm with knob in locked position

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OLYMPIAN PLUS PLUG-IN SYSTEM

Filter/regulators B64G, B68G – G1/4 … G11/2

Models

Accessories

Service Kit

B64G series Auto drain Model	Manual drain Model	Port size	Pressure range (bar)	Flow* (dm^3/s)	Element (µm)	Bonnet	Wall mounting bracket	Gauge**	3/2 Shut-off valve***	Silencer (shut-off valve)	Tamper resistant kit	Auto drain	Manual drain
													
B64G-2GK-AD3-RMN	B64G-2GK-MD3-RMN	G1/4	0,3 … 10	30	40	Knob	74504-50	18-015-013	T64T-2GB-P1N	T40B1800	4355-51	B64G-KITA40R	B64G-KITM40R
B64G-3GK-AD3-RMN	B64G-3GK-MD3-RMN	G3/8	0,3 … 10	76	40	Knob	74504-50	18-015-013	T64T-3GB-P1N	T40B1800	4355-51	B64G-KITA40R	B64G-KITM40R
B64G-4GK-AD3-RMN	B64G-4GK-MD3-RMN	G1/2	0,3 … 10	106	40	Knob	74504-50	18-015-013	T64T-4GB-P1N	T40B1800	4355-51	B64G-KITA40R	B64G-KITM40R
B64G-6GK-AD3-RMN	B64G-6GK-MD3-RMN	G3/4	0,3 … 10	106	40	Knob	74504-50	18-015-013	T64T-6GB-P1N	T40B1800	4355-51	B64G-KITA40R	B64G-KITM40R
B64G-2GT-AD3-RSN	B64G-2GT-MD3-RSN	G1/4	0,7 … 17	30	40	T-bar	74504-50	18-015-014	T64T-2GB-P1N	T40B1800	–	B64G-KITA40R	B64G-KITM40R
B64G-3GT-AD3-RSN	B64G-3GT-MD3-RSN	G3/8	0,7 … 17	76	40	T-bar	74504-50	18-015-014	T64T-3GB-P1N	T40B1800	–	B64G-KITA40R	B64G-KITM40R
B64G-4GT-AD3-RSN	B64G-4GT-MD3-RSN	G1/2	0,7 … 17	106	40	T-bar	74504-50	18-015-014	T64T-4GB-P1N	T40B1800	–	B64G-KITA40R	B64G-KITM40R
B64G-6GT-AD3-RSN	B64G-6GT-MD3-RSN	G3/4	0,7 … 17	106	40	T-bar	74504-50	18-015-014	T64T-6GB-P1N	T40B1800	–	B64G-KITA40R	B64G-KITM40R
B64G-2GK-AD1-RMN	B64G-2GK-MD1-RMN	G1/4	0,3 … 10	30	5	Knob	74504-50	18-015-013	T64T-2GB-P1N	T40B1800	4355-51	B64G-KITA05R	B64G-KITM05R
B64G-3GK-AD1-RMN	B64G-3GK-MD1-RMN	G3/8	0,3 … 10	76	5	Knob	74504-50	18-015-013	T64T-3GB-P1N	T40B1800	4355-51	B64G-KITA05R	B64G-KITM05R
B64G-4GK-AD1-RMN	B64G-4GK-MD1-RMN	G1/2	0,3 … 10	106	5	Knob	74504-50	18-015-013	T64T-4GB-P1N	T40B1800	4355-51	B64G-KITA05R	B64G-KITM05R
B64G-6GK-AD1-RMN	B64G-6GK-MD1-RMN	G3/4	0,3 … 10	106	5	Knob	74504-50	18-015-013	T64T-6GB-P1N	T40B1800	4355-51	B64G-KITA05R	B64G-KITM05R
B64G-2GT-AD1-RSN	B64T-2GK-MD1-RSN	G1/4	0,7 … 17	30	5	T-bar	74504-50	18-015-014	T64T-2GB-P1N	T40B1800	–	B64G-KITA05R	B64G-KITA05R
B64G-3GT-AD1-RSN	B64T-3GK-MD1-RSN	G3/8	0,7 … 17	76	5	T-bar	74504-50	18-015-014	T64T-3GB-P1N	T40B1800	–	B64G-KITA05R	B64G-KITA05R
B64G-4GT-AD1-RSN	B64T-4GK-MD1-RSN	G1/2	0,7 … 17	106	5	T-bar	74504-50	18-015-014	T64T-4GB-P1N	T40B1800	–	B64G-KITA05R	B64G-KITA05R
B64G-6GT-AD1-RSN	B64T-6GK-MD1-RSN	G3/4	0,7 … 17	106	5	T-bar	74504-50	18-015-014	T64T-6GB-P1N	T40B1800	–	B64G-KITA05R	B64G-KITA05R

B68G series Auto drain Model	Manual drain Model	Port size	Pressure range (bar)	Flow* (dm^3/s)	Element (µm)	Bonnet	Wall mounting bracket	Gauge**	3/2 Shut-off valve***	Silencer (shut-off valve)	Tamper resistant kit	Auto drain	Manual drain
													
B68G-6GK-AR3-RLN	B68G-6GK-MR3-RLN	G3/4	0,4 … 8	240	40	Knob	18-001-979	18-015-013	T68H-6GB-B2N	T40B2800	4355-51	B68G-KITA40R	B68G-KITM40R
B68G-8GK-AR3-RLN	B68G-8GK-MR3-RLN	G1	0,4 … 8	240	40	Knob	18-001-979	18-015-013	T68H-8GB-B2N	T40B2800	4355-51	B68G-KITA40R	B68G-KITM40R
B68G-AGK-AR3-RLN	B68G-AGK-MR3-RLN	G1 1/4	0,4 … 8	240	40	Knob	18-001-978	18-015-013	T68H-AGB-B2N	T40B2800	4355-51	B68G-KITA40R	B68G-KITM40R
B68G-BGK-AR3-RLN	B68G-BGK-MR3-RLN	G1 1/2	0,4 … 8	240	40	Knob	18-001-972	18-015-013	T68H-BGB-B2N	T40B2800	4355-51	B68G-KITA40R	B68G-KITM40R
B68G-6GT-AR3-RSN	B68G-6GT-MR3-RSN	G3/4	0,7 … 17	240	40	T-bar	18-001-979	18-015-014	T68H-6GB-B2N	T40B2800	–	B68G-KITA40R	B68G-KITM40R
B68G-8GT-AR3-RSN	B68G-8GT-MR3-RSN	G1	0,7 … 17	240	40	T-bar	18-001-979	18-015-014	T68H-8GB-B2N	T40B2800	–	B68G-KITA40R	B68G-KITM40R
B68G-AGT-AR3-RSN	B68G-AGT-MR3-RSN	G1 1/4	0,7 … 17	240	40	T-bar	18-001-978	18-015-014	T68H-AGB-B2N	T40B2800	–	B68G-KITA40R	B68G-KITM40R
B68G-BGT-AR3-RSN	B68G-BGT-MR3-RSN	G1 1/2	0,7 … 17	240	40	T-bar	18-001-972	18-015-014	T68H-BGB-B2N	T40B2800	–	B68G-KITA40R	B68G-KITM40R
B68G-6GK-AR1-RLN	B68G-6GK-MR1-RLN	G3/4	0,4 … 8	240	5	Knob	18-001-979	18-015-013	T68H-6GB-B2N	T40B2800	4355-51	B68G-KITA05R	B68G-KITM05R
B68G-8GK-AR1-RLN	B68G-8GK-MR1-RLN	G1	0,4 … 8	240	5	Knob	18-001-979	18-015-013	T68H-8GB-B2N	T40B2800	4355-51	B68G-KITA05R	B68G-KITM05R
B68G-AGK-AR1-RLN	B68G-AGK-MR1-RLN	G1 1/4	0,4 … 8	240	5	Knob	18-001-978	18-015-013	T68H-AGB-B2N	T40B2800	4355-51	B68G-KITA05R	B68G-KITM05R
B68G-BGK-AR1-RLN	B68G-BGK-MR1-RLN	G1 1/2	0,4 … 8	240	5	Knob	18-001-972	18-015-013	T68H-BGB-B2N	T40B2800	4355-51	B68G-KITA05R	B68G-KITM05R
B68G-6GT-AR1-RSN	B68G-6GT-MR1-RSN	G3/4	0,7 … 17	240	5	T-bar	18-001-979	18-015-014	T68H-6GB-B2N	T40B2800	–	B68G-KITA05R	B68G-KITM05R
B68G-8GT-AR1-RSN	B68G-8GT-MR1-RSN	G1	0,7 … 17	240	5	T-bar	18-001-979	18-015-014	T68H-8GB-B2N	T40B2800	–	B68G-KITA05R	B68G-KITM05R
B68G-AGT-AR1-RSN	B68G-AGT-MR1-RSN	G1 1/4	0,7 … 17	240	5	T-bar	18-001-978	18-015-014	T68H-AGB-B2N	T40B2800	–	B68G-KITA05R	B68G-KITM05R
B68G-BGT-AR1-RSN	B68G-BGT-MR1-RSN	G1 1/2	0,7 … 17	240	5	T-bar	18-001-972	18-015-014	T68H-BGB-B2N	T40B2800	–	B68G-KITA05R	B68G-KITM05R

* Typical flow with 10 bar inlet pressure and 1 bar droop from set pressure of 6,3 bar.
** Pressure range: 18-015-013 = 0 … 10 bar; 18-015-014 = 0 … 25 bar.
*** Threaded exhaust port.
For replacement filter/regulator (without yoke) substitute "N" at the 5th and 6th digits eg. B68G-NNK-AR3-RLN.
For other styles of mounting bracket and accessories, please refer to page 532.

Options

- Alternative thread forms
- Alternative outlet ranges
- Non-relieving
- Alternative bowl sizes (68)

OLYMPIAN PLUS PLUG-IN SYSTEM

Lubricators L64, L68 – G1/4 … G11/2

- Micro-fog plug-in lubricators for best lubrication in general purpose pneumatic applications

Technical Data

Medium:
Compressed air only

Maximum inlet pressure:
17 bar

Start point:
L64: 1,5 dm^3/s
L68: 6 dm^3/s

Bowl Capacity:
L64: 0,2 l
L68: 0,5 l

Ambient temperature:
-20°C … +80°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Materials

L64:
Body & Yoke: Zinc alloy
Sight dome: Transparent PA
Elastomers: NBR

L68:
Body & Yoke: Aluminium
Bowl: Aluminium (0,5 & 1 l); Steel (5 l)
Sight dome: Pyrex (0,5 & 1 l); PA (5 l)
Elastomers: NBR

EXPRESS

L64

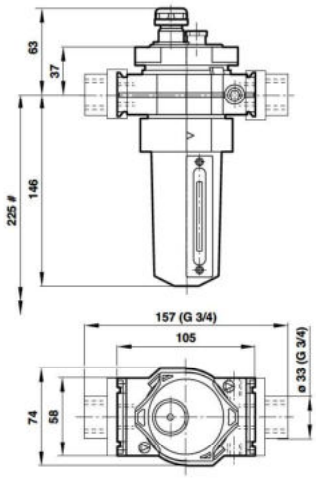


L68

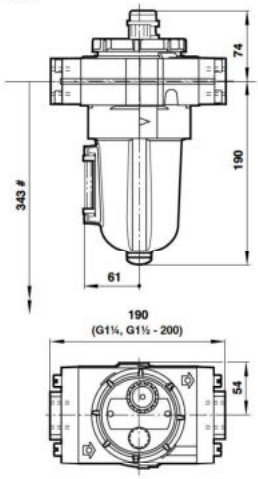


Dimensions

L64



L68



Minimum clearance required to remove bowl

Online at www.imi-precision.com

OLYMPIAN PLUS PLUG-IN SYSTEM
Lubricators L64, L68 – G1/4 … G11/2

Models

Accessories

Service Kit

L64 series Model	Type	Port size	Flow* (dm³/s)	Wall mounting bracket	3/2 Shut-off valve**	Silencer (shut-off valve)	
							
L64M-2GP-EDN	Micro-fog	G1/4	25	74504-50	T64T-2GB-P1N	T40B1800	L64M-KIT
L64M-3GP-EDN	Micro-fog	G3/8	62	74504-50	T64T-3GB-P1N	T40B1800	L64M-KIT
L64M-4GP-EDN	Micro-fog	G1/2	72	74504-50	T64T-4GB-P1N	T40B1800	L64M-KIT
L64M-6GP-EDN	Micro-fog	G3/4	72	74504-50	T64T-6GB-P1N	T40B1800	L64M-KIT
L64C-2GP-EDN	Oil-fog	G1/4	25	74504-50	T64T-2GB-P1N	T40B1800	L64C-KIT
L64C-3GP-EDN	Oil-fog	G3/8	62	74504-50	T64T-3GB-P1N	T40B1800	L64C-KIT
L64C-4GP-EDN	Oil-fog	G1/2	72	74504-50	T64T-4GB-P1N	T40B1800	L64C-KIT
L64C-6GP-EDN	Oil-fog	G3/4	72	74504-50	T64T-6GB-P1N	T40B1800	L64C-KIT

L68 series Model	Type	Port size	Flow* (dm³/s)	Wall mounting bracket	3/2 Shut-off valve**	Silencer (shut-off valve)	
							
L68M-6GP-ERN	Micro-fog	G3/4	175	18-001-979	T68H-6GB-B2N	T40B2800	L68M-KIT
L68M-8GP-ERN	Micro-fog	G1	175	18-001-979	T68H-8GB-B2N	T40B2800	L68M-KIT
L68M-AGP-ERN	Micro-fog	G1 1/4	175	18-001-978	T68H-AGB-B2N	T40B2800	L68M-KIT
L68M-BGP-ERN	Micro-fog	G1 1/2	175	18-001-972	T68H-BGB-B2N	T40B2800	L68M-KIT
L68C-6GP-ERN	Oil-fog	G3/4	175	18-001-979	T68H-6GB-B2N	T40B2800	L68C-KIT
L68C-8GP-ERN	Oil-fog	G1	175	18-001-979	T68H-8GB-B2N	T40B2800	L68C-KIT
L68C-AGP-ERN	Oil-fog	G1 1/4	175	18-001-978	T68H-AGB-B2N	T40B2800	L68C-KIT
L68C-BGP-ERN	Oil-fog	G1 1/2	175	18-001-972	T68H-BGB-B2N	T40B2800	L68C-KIT

* Typical flow with 6,3 bar inlet pressure and 0,5 bar pressure drop.
** Threaded exhaust port.
To order a basic unit without yoke substitute 'N' at the 5th and 6th letters respectively e.g. L68M-NNP-EDN.
For other styles of mounting bracket and accessories, please refer to page 532.

Options

- Alternative thread forms
- Quick fill device
- Alternative bowl sizes
- High Flow (68)
- Bowl Drain (68)

OLYMPIAN PLUS PLUG-IN SYSTEM

Soft start dump valve P64F & P68F – G1/4 … G1 1/2

- Assists machine designers in complying with the European Machineries Directive
- Can help existing machinery to comply with PUWER (Provision and Use of Work Equipment Regulations)
- Controlled increase of downstream pressure on start up
- Solenoid, air pilot or manual operator
- High forward flow capacity
- High flow dump facility

Technical Data

Medium:
Compressed air only

Maximum operating pressure:
For solenoid operated versions: 10 bar
For pilot operated versions: 17 bar

Minimum operating pressure:
3 bar

Ambient temperature:
-20°C … +80°C
(solenoid version up to +50°C)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Air pilot port:
P64F: Rc1/4 P68F: G1/4

Exhaust port:
P64F: G1/2 P68F: G1

Maximum flow:
P64F: 57 dm^3/s P68F: 147 dm^3/s
Note: Maximum flow with 6,3 bar inlet pressure and pressure drop of 0,5 bar

Snap pressure:
Full flow when downstream pressure reaches 50-80% of inlet pressure

Materials

P64F:
Body & Yoke: Zinc alloy
Intermediate body: Aluminium
Top plate: Zinc
Elastomers: NBR

P68F:
Body, Yoke, Top & Bottom plate: Aluminium
Filter discs: Sintered plastic
Internal components: Brass/steel
Elastomers: NBR

EXPRESS

P64F

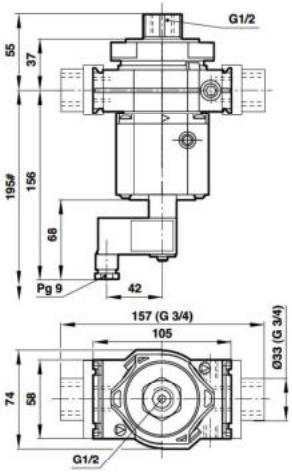


P68F

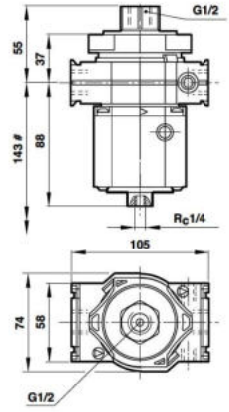


Dimensions

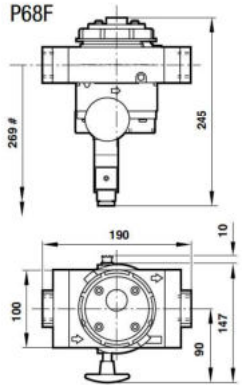
P64F Solenoid



P64F Air Pilot



P68F



Minimum clearance required to remove unit

Options

- Alternative thread forms
- Manual lockouts
- Alternative voltage

Models

Accessories

P64F & P68F series – 24V d.c.			Wall mounting bracket	Silencer (dump valve)	3/2 Shut-off valve*	Silencer (shut-off valve)	Basic solenoid plug
Solenoid pilot operated Model	Air pilot operated Model	Port size					
							
P64F-2GC-PFN	P64F-2GA-NNN	G1/4	74504-50	MB004B	T64T-2GB-P1N	T40B1800	0657868000000000
P64F-3GC-PFN	P64F-3GA-NNN	G3/8	74504-50	MB004B	T64T-3GB-P1N	T40B1800	0657868000000000
P64F-4GC-PFN	P64F-4GA-NNN	G1/2	74504-50	MB004B	T64T-4GB-P1N	T40B1800	0657868000000000
P64F-6GC-PFN	P64F-6GA-NNN	G3/4	74504-50	MB004B	T64T-6GB-P1N	T40B1800	0657868000000000
P68F-6GA-NPN	P68F-6GA-NNN	G3/4	18-001-979	MB003B	T68H-6GB-B2N	T40B2800	0657868000000000
P68F-8GA-NPN	P68F-8GA-NNN	G1	18-001-979	MB003B	T68H-8GB-B2N	T40B2800	0657868000000000
P68F-AGA-NPN	P68F-AGA-NNN	G1 1/4	18-001-978	MB003B	T68H-AGB-B2N	T40B2800	0657868000000000
P68F-BGA-NPN	P68F-BGA-NNN	G1 1/2	18-001-972	MB003B	T68H-BGB-B2N	T40B2800	0657868000000000

* Threaded exhaust port.

To order a basic unit without yoke substitute 'N' at the 5th and 6th letters respectively e.g. P64F-NNC-PFN.
For other styles of mounting bracket and accessories, please refer to page 532.

IMI Precision Engineering

For further information, visit www.imi-precision.com and use the new improved search function. If you cannot see the option you require please contact us.

IMI NORGREN

OLYMPIAN PLUS PLUG-IN SYSTEM

Soft start monitored dump valve P64S – G1/4 … G3/4

- Controlled increase of downstream pressure on start up
- Monitored dump function
- High forward flow capacity
- High flow dump facility
- Soft start valves allow a controlled increase of pressure onto downstream cylinders/ machines offering protection to personnel equipment
- The positively driven micro switch ensures a monitored dump function

Note: Turn on system air supply prior to applying signal to operator. Failure to do so may cause valve to continuously exhaust.

Technical Data

Medium:
Compressed air only

Maximum pressure:
10 bar

Minimum operating pressure:
3 bar

Ambient temperature:
-20°C … +50°C
(Solenoid rating max is 50°C whilst unit max is 80°C. Consult our Technical Service for use below +2°C)

Gauge ports:
Rc1/8

Exhaust port:
G1/2

Snap pressure:
Full flow when downstream pressure reaches 35% - 60% of inlet pressure

Charge time:
For 2 litre downstream volume and inlet pressure of 6,3 bar, 0,2s minimum, 75 secs. maximum

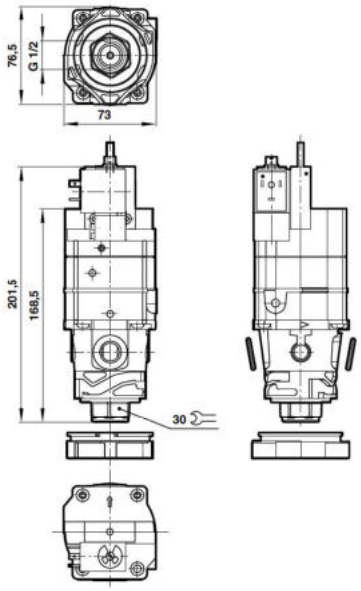
Solenoid operator:
22 mm, 24V DC, 2W only
(no manual override)

Materials

Body: Zinc alloy
Intermediate body: Aluminium
Filter discs: Sintered plastic
Internal components:
Brass: Steel or Stainless steel
Top plate: Aluminium
Exhaust bonnet: Zinc alloy
Yoke: Zinc alloy
Elastomers: NBR



Dimensions



Models

Accessories

P64S series Model	Port size	Wall mounting bracket	Gauge 0 … 10 bar	3/2 Shut-off valve**	Silencer	Silencer (shut-off valve)	Basic solenoid plug
							
P64S-2GC-N1N	G1/4	74504-50	18-015-013	T64T-2GB-P1N	MB004B (R1/2)	T40B1800	0657868000000000
P64S-3GC-N1N	G3/8	74504-50	18-015-013	T64T-3GB-P1N	MB004B (R1/2)	T40B1800	0657868000000000
P64S-4GC-N1N	G1/2	74504-50	18-015-013	T64T-4GB-P1N	MB004B (R1/2)	T40B1800	0657868000000000
P64S-6GC-N1N	G3/4	74504-50	18-015-013	T64T-3GB-P1N	MB004B (R1/2)	T40B1800	0657868000000000

** Threaded exhaust port.
To order a basic unit without yoke, subsitiute "N" at the 5th and 6th letters respectively e.g. P64S-NNC-N1N.
For other styles of mounting bracket and accessories, please refer to page 532.

OLYMPIAN PLUS PLUG-IN SYSTEM

Pressure relief valves V64H, V68H – G1/4 … G1

- **Olympian relief valves protect compressed air systems from over-pressurisation**
- **High relief capacity, sensitive and accurate**
- **Threaded relief port for silencer or piped exhaust**

IMI Precision Engineering pressure relief valves comply with category 0(S.E.P.) and category 1 of the Pressure Equipment Directive 97/23/EC.

Technical Data

Medium:
Compressed air only

Gauge ports:
Rc1/8

Relief port:
V64H: G1/2
V68H: G1

Ambient temperature:
-20°C … +80°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Relief pressure adjustment range:
V64H:
V64H - … - RMN: 1 … 10 bar
V64H - … - RSN: 2 … 16 bar
V68H:
V68H - … - RMN: 0,3 … 10 bar
V68H - … - RSN: 0,7 … 17 bar

Materials

V64H:
Body, Bonnet & Yoke: Zinc alloy
Connection piece: Aluminium
Bottom plug: Aluminium
Adjusting screw: Steel
Elastomers: NBR

V68H:
Body, Bonnet & Yoke: Aluminium
Adjusting screw: Steel
Elastomers: NBR

EXPRESS

V64H

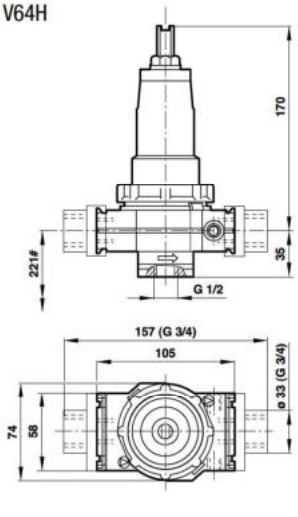


V68H

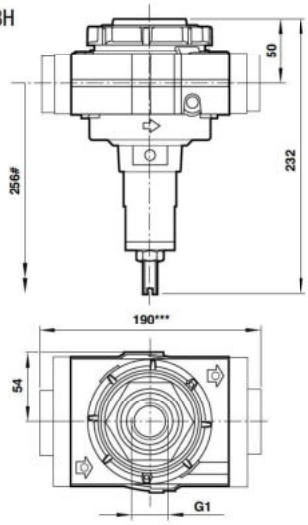


Dimensions

V64H



V68H



*** For 1 1/4 and 1 1/2 ported yokes add 10 mm
# Minimum clearance required to remove unit from yoke

Online at www.imi-precision.com

OLYMPIAN PLUS PLUG-IN SYSTEM

Pressure relief valves V64H, V68H – G1/4 … G1

Models

Accessories

Service Kit

V64H series Model	Port size	Pressure range (bar)	Wall mounting bracket	Gauge	Silencer (relief valve)	3/2 Shut-off valve**	Silencer (shut-off valve)	Tamper resistant kit	
									
V64H-2GD-RMN	G1/4	1 … 10	74504-50	18-015-013 (0 … 10 bar)	MB004B	T64T-2GB-P1N	T40B1800	1581-90	V64H-KIT
V64H-3GD-RMN	G3/8	1 … 10	74504-50	18-015-013 (0 … 10 bar)	MB004B	T64T-3GB-P1N	T40B1800	1581-90	V64H-KIT
V64H-4GD-RMN	G1/2	1 … 10	74504-50	18-015-013 (0 … 10 bar)	MB004B	T64T-4GB-P1N	T40B1800	1581-90	V64H-KIT
V64H-6GD-RMN	G3/4	1 … 10	74504-50	18-015-013 (0 … 10 bar)	MB004B	T64T-6GB-P1N	T40B1800	1581-90	V64H-KIT
V64H-2GD-RSN	G1/4	2 … 16	74504-50	18-015-014 (0 … 25 bar)	MB004B	T64T-2GB-P1N	T40B1800	1581-90	V64H-KIT
V64H-3GD-RSN	G3/8	2 … 16	74504-50	18-015-014 (0 … 25 bar)	MB004B	T64T-3GB-P1N	T40B1800	1581-90	V64H-KIT
V64H-4GD-RSN	G1/2	2 … 16	74504-50	18-015-014 (0 … 25 bar)	MB004B	T64T-4GB-P1N	T40B1800	1581-90	V64H-KIT
V64H-6GD-RSN	G3/4	2 … 16	74504-50	18-015-014 (0 … 25 bar)	MB004B	T64T-6GB-P1N	T40B1800	1581-90	V64H-KIT

V68H series Model	Port size	Pressure range (bar)	Wall mounting bracket	Gauge	Silencer (relief valve)	3/2 Shut-off valve**	Silencer (shut-off valve)	Tamper resistant kit	
									
V68H-6GD-RMN	G3/4	0,3 … 10	18-001-979	18-015-013 (0 … 10 bar)	MB008B	T68H-6GB-B2N	T40B2800	1581-90	V68H-KIT
V68H-8GD-RMN	G1	0,3 … 10	18-001-979	18-015-013 (0 … 10 bar)	MB008B	T68H-8GB-B2N	T40B2800	1581-90	V68H-KIT
V68H-AGD-RMN	G1 1/4	0,3 … 10	18-001-979	18-015-013 (0 … 10 bar)	MB008B	T68H-AGB-B2N	T40B2800	1581-90	V68H-KIT
V68H-BGD-RMN	G1 1/2	0,3 … 10	18-001-979	18-015-013 (0 … 10 bar)	MB008B	T68H-BGB-B2N	T40B2800	1581-90	V68H-KIT
V68H-6GD-RSN	G3/4	0,7 … 17	18-001-979	18-015-014 (0 … 25 bar)	MB008B	T68H-6GB-B2N	T40B2800	1581-90	V68H-KIT
V68H-8GD-RSN	G1	0,7 … 17	18-001-979	18-015-014 (0 … 25 bar)	MB008B	T68H-8GB-B2N	T40B2800	1581-90	V68H-KIT
V68H-AGD-RSN	G1 1/4	0,7 … 17	18-001-979	18-015-014 (0 … 25 bar)	MB008B	T68H-AGB-B2N	T40B2800	1581-90	V68H-KIT
V68H-BGD-RSN	G1 1/2	0,7 … 17	18-001-979	18-015-014 (0 … 25 bar)	MB008B	T68H-BGB-B2N	T40B2800	1581-90	V68H-KIT

** Threaded exhaust port.

To order a basic unit without yoke substitute 'N' at the 5th and 6th letters respectively e.g. P64F-NNC-PFN.

For other styles of mounting bracket and accessories, please refer to page 532.

Options

- Alternative thread forms
- Additional outlet ranges

OLYMPIAN PLUS PLUG-IN SYSTEM

Accessories

EXPRESS

YOKES

- When installed, enables Olympian basic units to be 'plugged in' or removed without disturbing connecting pipework



Models

Single Unit Model	Double Unit Model	Series	Port size
Y64A-2GA-N1N	Y64A-2GA-N2N	64	G1/4
Y64A-3GA-N1N	Y64A-3GA-N2N	64	G3/8
Y64A-4GA-N1N	Y64A-4GA-N2N	64	G1/2
Y64A-6GA-N1N	Y64A-6GA-N2N	64	G3/4
Y68A-6GN-N1N	Y68A-6GN-N2N	68	G3/4
Y68A-8GN-N1N	Y68A-8GN-N2N	68	G1
Y68A-AGN-N1N	Y68A-AGN-N2N	68	G1 1/4
Y68A-BGN-N1N	Y68A-BGN-N2N	68	G1 1/2

Yokes may be installed in a pipe system in advance of the selection or fitment of the basic units.

YOKE CONNECTOR KIT

- Allows quick and easy connection of one Olympian Plus product/accessory to another



Models

Model	Series
74503-51	64
18-026-987	68

END CONNECTOR

- Provides a threaded end to an assembly



Models

Model	Series	Port size
74505-50	64	G1/2
74505-53	64	G3/4

For use with end mounted porting block or for G1/2 or G3/4 over porting.

SHUT-OFF VALVE

- 3 port/2 position
- Easy to operate
- Lockable in the 'closed' position



Models

Model	Series	Port size
T64T-2GB-P1N	64	G1/4
T64T-3GB-P1N	64	G3/8
T64T-4GB-P1N	64	G1/2
T64T-6GB-P1N	64	G3/4
T68H-6GB-B2N	68	G3/4
T68H-8GB-B2N	68	G1
T68H-AGB-B2N	68	G1 1/4
T68H-BGB-B2N	68	G1 1/2

Lockout facility. G1/8 exhaust port on 64 series, use silencer, ref. T40B1800.

PORTING BLOCKS

- Provides 3 auxiliary air outlets
- Can be installed in a combination to branch off to smaller sub-systems
- Type 74507-53 is often installed between a filter-regulator and lubricator. Its integral nonreturn valve prevents any reverse flow of lubricant contaminating the upstream air



Models

Model	Series
74507-50	64
74507-53	64 with integral non-return valve

2 G1/4 outlets. 1 G3/8 outlet.

Model	Series	Top port	Side port
18-026-986	68	G1/2	G1/4

Porting blocks may be used as spacers, gauge ports or as auxiliary air outlets. They may be fitted to end connectors, rear entry manifolds, shut-off valves and rear entry shut-off valves.

Use the correct length screws (supplied) when fitting porting blocks.

If your FRL looks like this…







…it's wasting energy and money, it's unsafe and environmentally unfriendly.

And the chances are it will fail the Health and Safety at Work regulations and it's unlikely to comply with Environmental rules for safe disposal of contaminants.

1. Polycarbonate bowl needs replacing to comply with BS 6005:1997
2. Auto drain will not dispose of contaminants safely
3. Filter elements could be blocked
4. Regulator will not be maintaining optimum pressure
5. Lubricator is neither effective or efficient
6. Replacement is both time consuming and costly



Olympian 64 series FRL

It's time to upgrade

To the Olympian 64 Series, a better overall solution because:

- It is completely interchangeable
- It can be replaced in seconds without disturbing pipe work
- It is fully serviceable and there are comprehensive service kits available to ensure it is efficient and cost effective, complies with Health & Safety regulations and is environmentally friendly

Engineering GREAT Solutions

Find out more
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IMI NORGREN

For further information, visit **www.imi-precision.com** and use the new improved search function. If you cannot see the option you require please contact us.

IMI Precision Engineering

EXCELON® PLUS MODULAR SYSTEM

Combination filter/regulators and lubricators BL84 – G3/8 … G3/4

- Unique Quikclamp connection system offers full modularity
- 40 micron particle and high efficiency water removal (> 98%)
- Double safety lock on bowl
- Integrated gauge
- Shut off valve, Regulator & Filter Regulator with tamper resistance feature.
- Metal bowl with prismatic liquid level indicator
- Light weight polycarbonate bowl
- Easy to read flush mounted integrated pressure gauge as standard
- All round (360°) visibility of sightdome for ease of drip rate setting

Technical Data

Medium:
Compressed air only

Maximum supply pressure:
Polycarbonate bowl: 10 bar
Metal bowl: 20 bar

Outlet pressure ranges:
0,3 … 10 bar

Filter element:
40 µm

Gauge:
Integrated as standard

Diaphragm Type:
Relieving

Drain:
Manual or automatic

Automatic drain operating conditions (float operated):
Bowl pressure required to close drain:
> 0,35 bar (5 psi)
Bowl pressure required to open drain:
≤ 0,2 bar (2.9 psi)
Minimum air flow required to close drain:
1 dm^3/s (2 scfm)

Ambient temperature:
Polycarbonate bowl: -10°C … +60°C
Metal bowl: -20°C … +65°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Materials

Body:
Die cast aluminium

Body covers:
ABS

Bonnet:
Acetal

Valve:
PP

Bowl:
Transparent PC with PP guard or die cast aluminium

Liquid level indicator lens (metal bowl):
PA

Filter element:
sintered PP

Bowl 'o'- ring:
Chloroprene

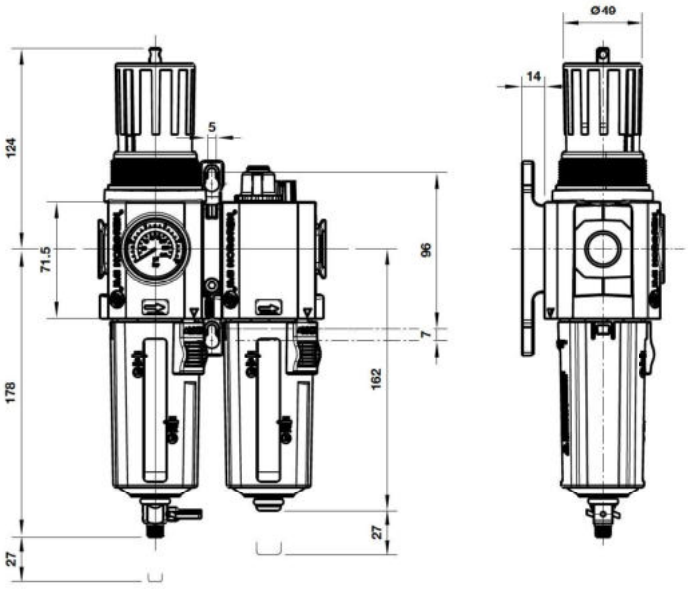
Elastomers:
NBR

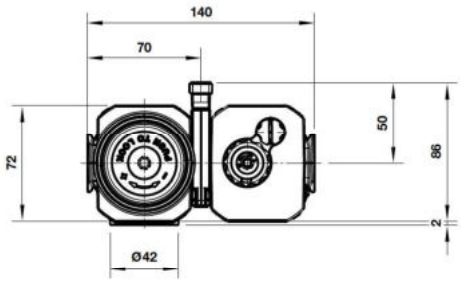
BL84



In addition to the standard box set units shown on this data sheet, further combinations can be configured using our online Air Preparation configurator: www.imi-precision.com/air-preparation-configurator

Dimensions





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EXCELON® PLUS MODULAR SYSTEM

Combination filter/regulators and lubricators BL84 – G3/8 … G3/4

Models

Accessories

Service Kit

Boxed sets with Microfog lubricator							Integrated Gauge (0 … 10 bar)	Silencer	Plastic silencers	Porous plastic silencers	Padlock	Padlock lock out device	Element Kit	Auto drain
Auto drain Model	Manual drain Model	Shut Off Valve	Port size	Element (µm)	Type	Bowl								
														
BL84-301G	BL84-321G	•	G3/8	40	Micro Fog	GT*	840073-01KIT	T40C2800	0014600000000000	MS002A	840055-01KIT	840055-02KIT	840038-51KIT	6000-60KIT
BL84-401G	BL84-421G	•	G1/2	40	Micro Fog	GT*	840073-01KIT	T40C2800	0014600000000000	MS002A	840055-01KIT	840055-02KIT	840038-51KIT	6000-60KIT
BL84-601G	BL84-621G	•	G3/4	40	Micro Fog	GT*	840073-01KIT	T40C2800	0014600000000000	MS002A	840055-01KIT	840055-02KIT	840038-51KIT	6000-60KIT
BL84-305G	BL84-325G	•	G3/8	40	Micro Fog	GT*	840073-01KIT	T40C2800	0014600000000000	MS002A	840055-01KIT	840055-02KIT	840038-51KIT	6000-60KIT
BL84-405G	BL84-425G	•	G1/2	40	Micro Fog	GT*	840073-01KIT	T40C2800	0014600000000000	MS002A	840055-01KIT	840055-02KIT	840038-51KIT	6000-60KIT
BL84-605G	BL84-625G	•	G3/4	40	Micro Fog	GT*	840073-01KIT	T40C2800	0014600000000000	MS002A	840055-01KIT	840055-02KIT	840038-51KIT	6000-60KIT

* GT = Guarded transparent bowl.

• With Shut Off Valve

Online at www.imi-precision.com

EXCELON® PLUS MODULAR SYSTEM

General purpose filters F84G – G3/8 … G3/4

- Excelon® Plus design allows in-line installation or modular installation with other Excelon® Plus products
- Double Safety lock on bowl
- 5 or 40 micron particle and high efficiency water removal (> 98%)
- Metal bowl with prismatic liquid level indicator lens
- Light weight polycarbonate bowl
- Air purity classes in accordance to ISO8573-1: particles class 6 & 7 and liquid water class 8

Technical Data

Medium:
Compressed air only

Maximum supply pressure:
Polycarbonate bowl: 10 bar
Metal bowl: 20 bar

Filter element:
5 µm & 40 µm

Flow:
78 dm³/s at port size: 1/2", inlet pressure 10 bar, 6,3 bar set pressure and a Δp: 0,5 bar drop from set.
Filter element: 40 µm

Automatic drain operating conditions (float operated):
Bowl pressure required to close drain: > 0,35 bar
Bowl pressure required to open drain: ≤ 0,2 bar
Minimum air flow required to close drain: 1 dm³/s

Ambient/Media temperature:
Polycarbonate bowl: -10°C … +60°C
Metal bowl: -20°C … +65°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Materials

Body:
Die cast aluminium

Body covers:
ABS

Bowl:
Transparent PC with PP guard or die cast aluminium

Liquid level indicator lens (metal bowl):
PA

Filter element:
sintered PP

Bowl 'o'- ring:
Chloroprene

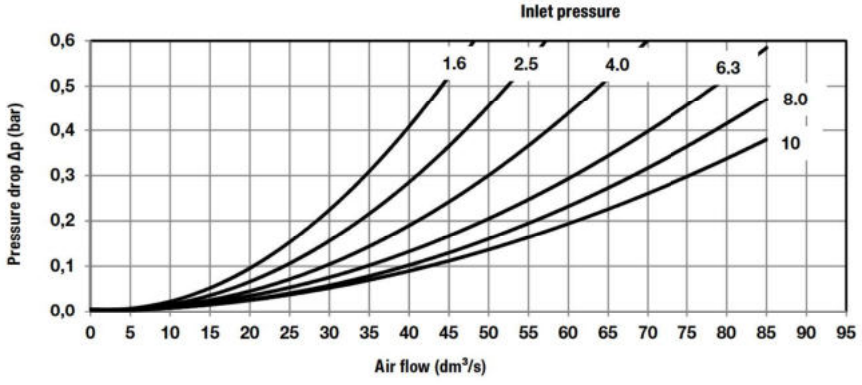
Elastomers:
NBR

F84G

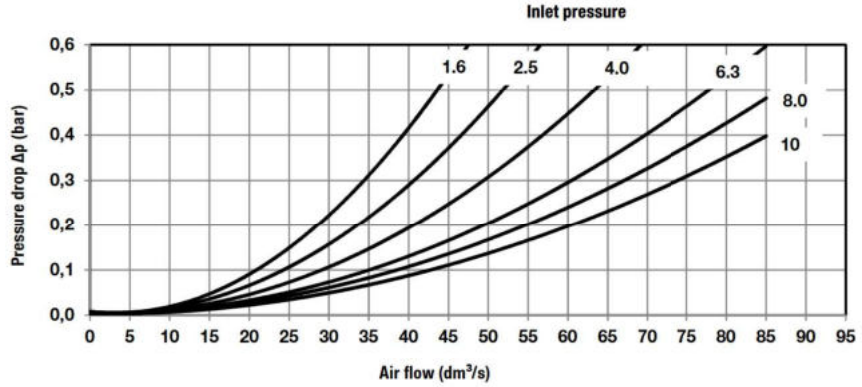


Flow characteristics

Element 40 µm
Port size: 1/2"



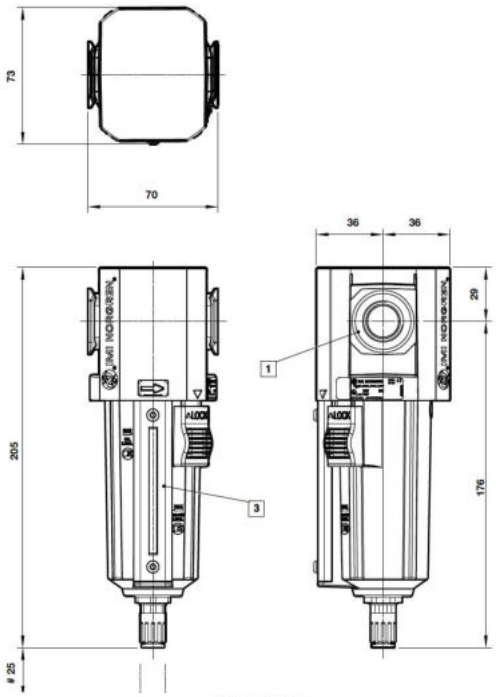
Element 5 µm
Port size: 1/2"



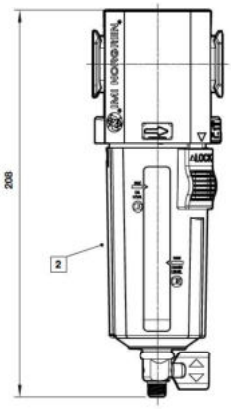
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EXCELON® PLUS MODULAR SYSTEM
General purpose filters F84G – G3/8 … G3/4

Dimensions



Automatic Drain



1/4 Turn Manual Drain

Minimum clearance for bowl removal
1 Main ports 3/8", 1/2" or 3/4" (ISO G/PTF)
2 Transparent bowl with guard
3 Metal bowl with liquid level indicator lens

Models

Accessories

Service Kit

F84G series						Wall mounting bracket	Quikclamp	Quikclamp with bracket	Element		Auto drain
Auto drain Model	Manual drain Model	Port size	Flow* (dm^3/s)	Element (µm)	Bowl				5 micron	40 micron	
											
F84G-3GN-AP3	F84G-3GN-QP3	G3/8	66	40	GT**	840024-50KIT	840014-51KIT	840014-52KIT	840038-50KIT	840038-51KIT	6000-60KIT
F84G-4GN-AP3	F84G-4GN-QP3	G1/2	83	40	GT**	840024-50KIT	840014-51KIT	840014-52KIT	840038-50KIT	840038-51KIT	6000-60KIT
F84G-6GN-AP3	F84G-6GN-QP3	G3/4		40	GT**	840024-50KIT	840014-51KIT	840014-52KIT	840038-50KIT	6000-60KIT	6000-60KIT
F84G-3GN-AD3	F84G-3GN-QD3	G3/8	66	40	M***	840024-50KIT	840014-51KIT	840014-52KIT	840038-50KIT	840038-51KIT	6000-60KIT
F84G-4GN-AD3	F84G-4GN-QD3	G1/2	83	40	M***	840024-50KIT	840014-51KIT	840014-52KIT	840038-50KIT	840038-51KIT	6000-60KIT
F84G-6GN-AD3	F84G-6GN-QD3	G3/4		40	M***	840024-50KIT	840014-51KIT	840014-52KIT	840038-50KIT	6000-60KIT	6000-60KIT

** GT = Guarded transparent bowl.
*** M = Metal Bowl.
* Typical flow with 6,3 bar inlet pressure and 0,5 bar pressure drop.

For other styles of mounting bracket and accessories, please refer to page 548.
NOTE: End connectors required for use with quikclamps if directly mounting to pipework / fittings – contact us for further details.

EXCELON® PLUS MODULAR SYSTEM

'Puraire'® high efficiency oil removal filters F84C – G3/8 … G3/4

- Excelon® Plus design allows in-line installation or modular installation with other Excelon® Plus products
- High efficiency oil and particle removal
- Double Safety lock on bowl
- Metal bowl with prismatic liquid level indicator lens
- Light weight Polycarbonate bowl
- Service indicator standard
- Air purity class in accordance with ISO 8573-1: Remaining oil aerosol to class 1*

Technical Data

Medium:
Compressed air only

Maximum supply pressure:
Polycarbonate bowl: 10 bar
Metal bowl: 20 bar

Remaining oil content:
0,01 mg/m³ at +21°C

Particle removal:
To 0,01 µm

Flow:
Maximum flow to maintain stated oil removal performance at challenge rate of 4 mg/m³
F84C: 25 dm³/s, at port size: 1/2"
Operating pressure: 6,3 bar

Drain:
Manual or automatic

Automatic drain operating conditions (float operated):
Bowl pressure required to close drain: > 0,35 bar
Bowl pressure required to open drain: ≤ 0,2 bar
Minimum air flow required to close drain: 1 dm³/s

Ambient/Media temperature:
Polycarbonate bowl: -10°C … +60°C
Metal bowl: -20°C … +65°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Note: Install an F84G filter with a 5 µm filter element upstream of the F84C filter for maximum service life.
* Tested in accordance with the methods laid out in ISO 12500-1 using an inlet oil aerosol concentration of 4mg/m³

Materials

Body:
Die cast aluminium

Body covers:
ABS

Bowl:
Transparent PC with PP guard or die cast aluminium

Liquid level indicator lens (metal bowl):
PA

Filter element:
Synthetic fibre & PE foam

Bowl 'o'- ring:
Chloroprene

Elastomers:
NBR

F84C



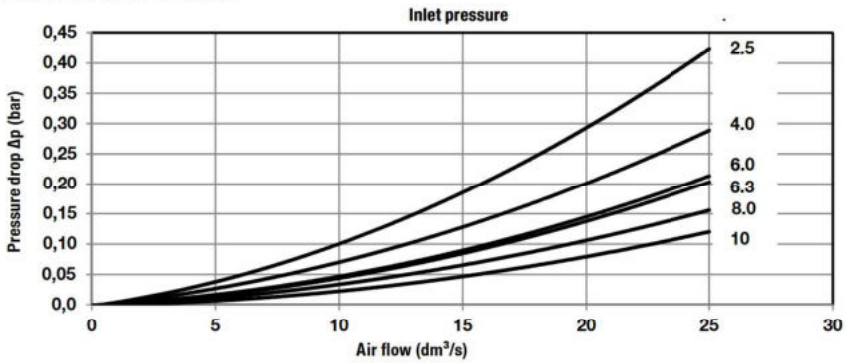
Typical performance characteristics

Inlet pressure (bar)	Maximum flow (dm³/s) *1)
2,50	12
4,00	17
6,30	25
8,00	30
10,00	35

*1) Maximum flow to maintain stated oil removal performance

Flow characteristics

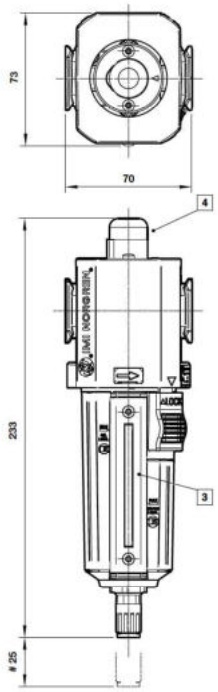
F84C
Port size: 1/4", wet element



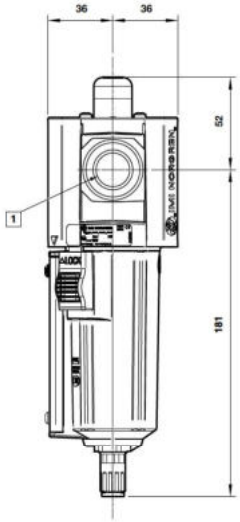
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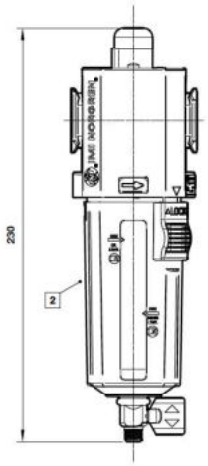
EXCELON® PLUS MODULAR SYSTEM
'Puraire'® high efficiency oil removal filters F84C – G3/8 … G3/4

Dimensions



Automatic Drain





1/4 Turn Manual Drain

Minimum clearance for bowl removal
[1] Main ports 3/8", 1/2" or 3/4" (ISO G/PTF)
[2] Transparent bowl with guard
[3] Metal bowl with liquid level indicator lens
[3] Service Indicator

Models

Accessories

Service Kit

F84C series Model Auto	Model Manual	Port size	Bowl	Wall mounting bracket	Quikclamp	Quikclamp with bracket	Coalescing filter element	Auto drain kit with metal Nut - Metric
								
F84C-3GD-AP0	F84C-3GD-QP0	G3/8	GT*	840024-50KIT	840014-51KIT	840014-52KIT	840044-50KIT	6000-60KIT
F84C-4GD-AP0	F84C-4GD-QP0	G1/2	GT*	840024-50KIT	840014-51KIT	840014-52KIT	840044-50KIT	6000-60KIT
F84C-6GD-AP0	F84C-6GD-QP0	G3/4	GT*	840024-50KIT	840014-51KIT	840014-52KIT	840044-50KIT	6000-60KIT
F84C-3GD-AD0	F84C-3GD-QD0	G3/8	M**	840024-50KIT	840014-51KIT	840014-52KIT	840044-50KIT	6000-60KIT
F84C-4GD-AD0	F84C-4GD-QD0	G1/2	M**	840024-50KIT	840014-51KIT	840014-52KIT	840044-50KIT	6000-60KIT
F84C-6GD-AD0	F84C-6GD-QD0	G3/4	M**	840024-50KIT	840014-51KIT	840014-52KIT	840044-50KIT	6000-60KIT

* GT = Guarded transparent bowl.
** M = Metal Bowl.

For other styles of mounting bracket and accessories, please refer to page 548.
NOTE: End connectors required for use with quikclamps if directly mounting to pipework / fittings – contact us for further details.

EXCELON® PLUS MODULAR SYSTEM

'Ultraire'® high efficiency oil vapour removal filters F84V – G3/4

- Excelon® Plus design allows inline or modular installation with other Excelon® Plus products
- Adsorbing type activated carbon element removes oil vapours and most hydrocarbon odours
- Double Safety lock on bowl
- Light weight Polycarbonate bowl
- Metal bowl with prismatic liquid level indicator lens
- Air purity class in accordance with ISO 8573-1: Remaining oil aerosol to class 0*

* Tested in accordance with the methods laid out in ISO 12500-2 using an inlet oil aerosol concentration of 0.018mg/m³

Technical Data

Medium:
Compressed air only

Maximum operating pressure:
Polycarbonate bowl: 10 bar
Metal bowl: 20 bar

Remaining oil content:
0,003 mg/m³ max. at +21°C

Flow:
25 dm³/s
To maintain stated oil content at port size: G1/2
Operating pressure: 6,3 bar

Ambient/Media temperature:
-20°C … +65°C (+65C Metal Bowl)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Note: Install an F84C coalescing filter upstream of the F84V filter for maximum service life.

Materials

Body:
Die cast aluminium

Body covers:
ABS

Bowl:
Transparent PC with PP guard or die cast aluminium

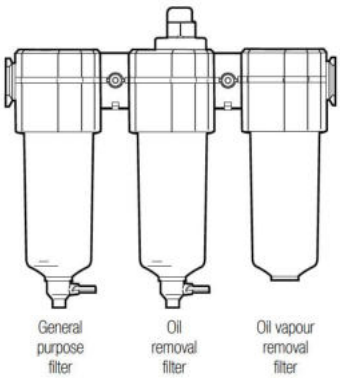
Bowl 'o'- ring:
Chloroprene

Elastomers:
NBR

F84V



Oil vapour removal filters must be protected upstream by an oil removal filter. A typical assembly:



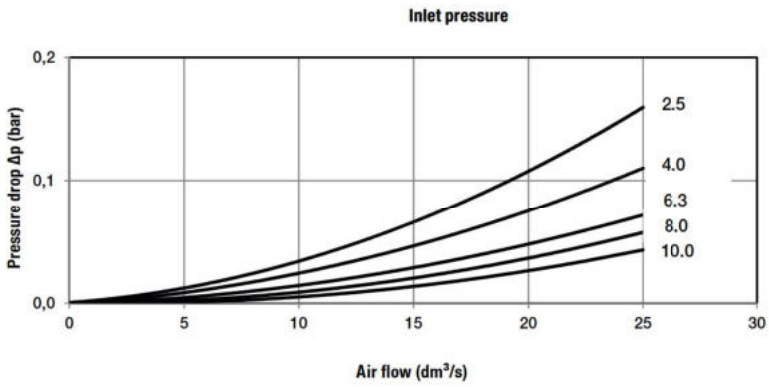
Typical performance characteristics

Inlet pressure (bar)	Maximum flow (dm³/s)*
2,50	15
4,00	20
6,30	25
8,00	28
10,00	30

* Maximum flow to maintain stated oil removal performance

Flow characteristics

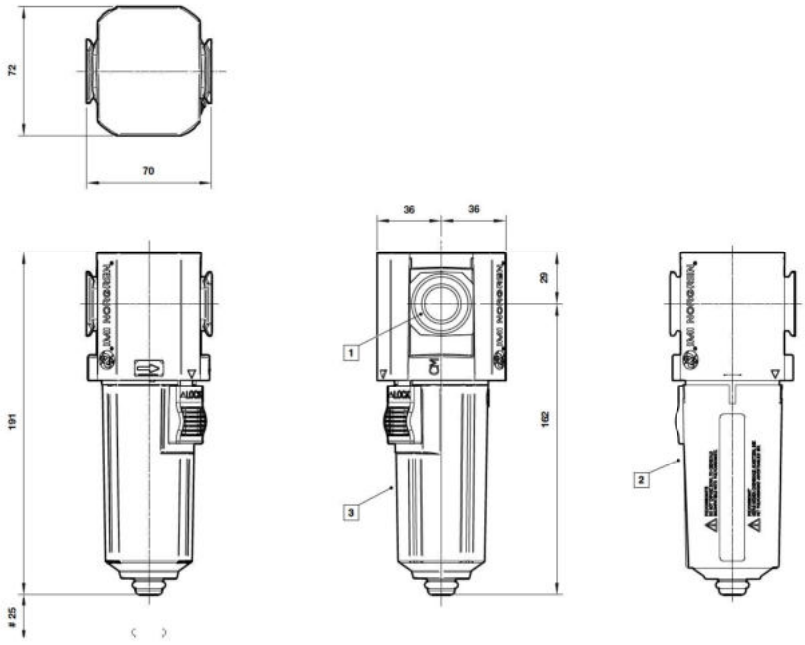
Port size: 1/2"



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EXCELON® PLUS MODULAR SYSTEM
'Ultraire'® high efficiency oil vapour removal filters F84V – G3/4

Dimensions



Minimum clearance for bowl removal
[1] Main ports 3/8", 1/2" or 3/4" (ISO G/PTF)
[2] Transparent bowl with guard
[3] Metal bowl

Models

Accessories

Service Kit

F84V series Model Auto	Port size	Bowl	Wall mounting bracket	Quikclamp	Quikclamp with bracket	Vapour Removal filter element
						
F84V-3GN-EPA	G3/8	GT*	840024-50KIT	840014-51KIT	840014-52KIT	840041-50KIT
F84V-4GN-EPA	G1/2	GT*	840024-50KIT	840014-51KIT	840014-52KIT	840041-50KIT
F84V-6GN-EPA	G3/4	GT*	840024-50KIT	840014-51KIT	840014-52KIT	840041-50KIT
F84V-3GN-EMA	G3/8	M**	840024-50KIT	840014-51KIT	840014-52KIT	840041-50KIT
F84V-4GN-EMA	G1/2	M**	840024-50KIT	840014-51KIT	840014-52KIT	840041-50KIT
F84V-6GN-EMA	G3/4	M**	840024-50KIT	840014-51KIT	840014-52KIT	840041-50KIT

* GT = Guarded transparent bowl.
** M = Metal bowl.

For other styles of mounting bracket and accessories, please refer to page 548.
NOTE: End connectors required for use with quikclamps if directly mounting to pipework / fittings – contact us for further details.

EXCELON® PLUS MODULAR SYSTEM

Pressure regulators R84G – G3/8 … G3/4

- Excelon® Plus design allows in-line installation or modular installation with other Excelon® Plus products
- Push to lock adjusting knob with built in tamper resistant feature
- Easy to read flush mounted integrated pressure gauge as standard

Technical Data

Medium:
Compressed air only

Maximum outlet pressure:
20 bar

Outlet pressure ranges:
0,3 … 10 bar
0,3 … 4 bar optional,
0,7 … 17 bar optional

Gauge:
Integrated as standard
Gauge port 1/8 as option

Diaphragm Type:
Relieving

Flow:
125 dm^3/s
at port size: 1/2",
inlet pressure 10 bar,
6,3 bar set pressure and a
Δp: 1 bar droop from set.

Ambient temperature:
-20°C … +65°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Materials

Body:
Die cast aluminium

Body covers:
ABS

Bonnet:
POM/Aluminium

Valve:
PP

Elastomers:
NBR

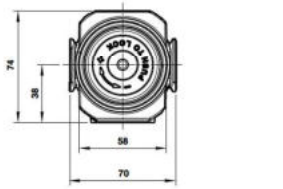
R84G

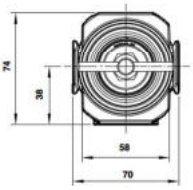


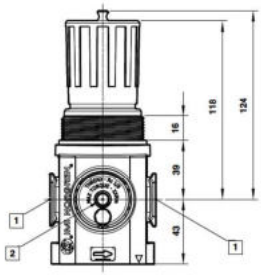


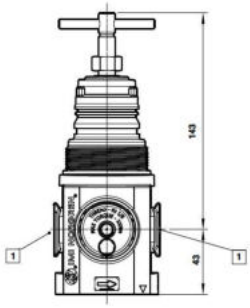
T-bar metal bonnet is standard for 17 bar option

Dimensions









[1] Main ports 3/8", 1/2" or 3/4" (ISO G/PTF)
[2] Gauge Port Rc 1/8 for ISO G and 1/4 PTF for PTF main ports

Models

Accessories

R84G series Model*	Port size	Pressure range (bar)	Adjustment	Panel mounting ring	Neck Mounting bracket (Including Panel mounting ring)	Quikclamp	Quikclamp with bracket	Integral Gauge (0 … 10 bar)	Gauge adaptor kit R 1/8	Padlock	Padlock lock out device
											
R84G-3GK-RMG	G3/8	0,3 … 10	Knob	840048-89KIT	840068-51KIT	840014-51KIT	840014-52KIT	840073-01KIT	840100-02KIT	840055-01KIT	840055-01KIT
R84G-4GK-RMG	G1/2	0,3 … 10	Knob	840048-89KIT	840068-51KIT	840014-51KIT	840014-52KIT	840073-01KIT	840100-02KIT	840055-01KIT	840055-01KIT
R84G-6GK-RMG	G3/4	0,3 … 10	Knob	840048-89KIT	840068-51KIT	840014-51KIT	840014-52KIT	840073-01KIT	840100-02KIT	840055-01KIT	840055-01KIT

* All models shown here are supplied with integrated gauge applicable for flow direction left to right.
With flow direction right to left please use the online configurator www.imi-precision.com/air-preparation-configurator or contact us.
For optional outlet spring ranges not listed by part number -please contact us.

For other styles of mounting bracket and accessories, please refer to page 520. NOTE: End connectors required for use with quikclamps if directly mounting to pipework / fittings – contact us for further details.

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EXCELON® PLUS MODULAR SYSTEM

Filter/regulators B84G – G3/8 … G3/4

- Excelon® Plus design allows in-line installation or modular installation with other Excelon® Plus products
- 5 or 40 micron particle and high efficiency water removal (> 98%)
- Double safety lock bowl
- Push to lock adjusting knob with built in tamper resistant feature
- Metal bowl with prismatic liquid level indicator lens
- Light weight Polycarbonate bowl
- Easy to read flush mounted integrated pressure gauge as standard

Technical Data

Medium:
Compressed air only

Maximum supply pressure:
Polycarbonate bowl: 10 bar
Metal bowl: 20 bar

Outlet pressure ranges:
0,3 …10 bar
0,3 … 4 bar optional,
0,7 … 17 bar optional

Filter element:
5 µm & 40 µm

Gauge:
Integrated as standard
Gauge port 1/8 as option

Flow:
100 dm^3/s
at port size: 1/2",
inlet pressure 10 bar,
6,3 bar set pressure and a Δp: 1 bar droop from set.
Filter element: 40 µm

Diaphragm Type:
Relieving

Drain:
Manual or automatic

Automatic drain operating conditions (float operated):
Bowl pressure required to close drain:
> 0,35 bar
Bowl pressure required to open drain:
≤ 0,2 bar
Minimum air flow required to close drain:
1 dm^3/s

Ambient temperature:
Polycarbonate bowl:
-10°C … +60°C
Metal bowl:
-20°C … +65°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Materials

Body:
Die cast aluminium

Body covers:
ABS

Bonnet:
Acetal/Aluminium

Valve:
PP

Bowl:
Transparent PC with PP guard or die cast aluminium

Liquid level indicator lens (metal bowl):
PA

Filter element:
sintered PP

Bowl 'o'- ring:
Chloroprene

Elastomers:
NBR

B84G

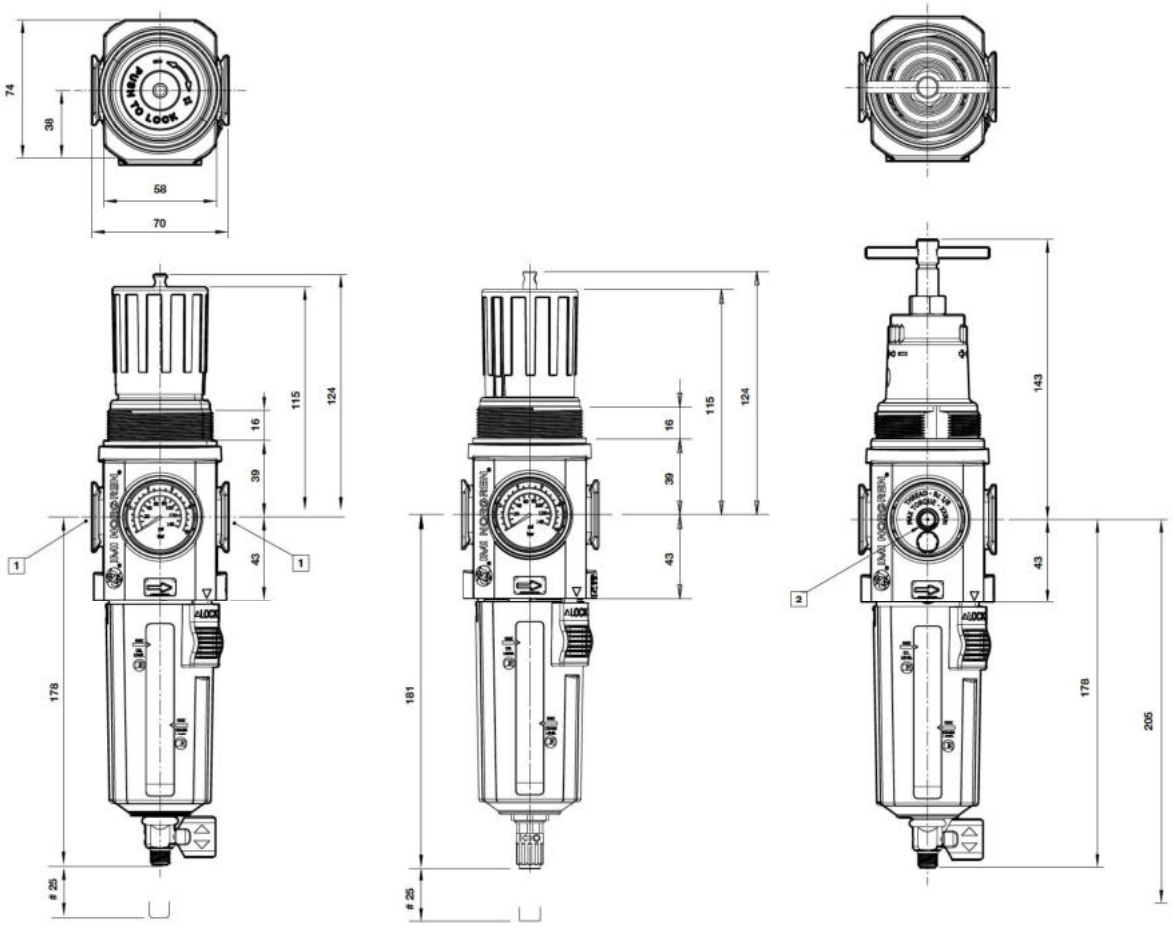


T-bar metal bonnet is standard for 17 bar option

For optional outlet spring ranges and or 5 micron filter element not listed by part number -please contact us

EXCELON® PLUS MODULAR SYSTEM
Filter/regulators B84G – G3/8 … G3/4

Dimensions



1/4 Turn Manual Drain
With knob

Automatic Drain

1/4 Turn Manual Drain
With T-bar

Minimum clearance for bowl removal
1 Main ports 3/8", 1/2" or 3/4" (ISO G/PTF)
2 Gauge port Rc 1/8 for ISO G and 1/4 PTF for PTF main ports

Models

Accessories

Service Kit

B84G series						Accessories								Service Kit
Auto drain Model	Manual drain Model	Port size	Pressure range (bar)	Element (µm)	Bowl	Panel mounting ring	Neck Mounting bracket (Including Panel mounting ring)	Quikclamp	Quikclamp with bracket	Integral Gauge (0 … 10 bar)	Gauge adaptor kit R 1/8	Padlock	Padlock lock out device	Element Kit
														
B84G-3GK-AP3-RMG	B84G-3GK-QP3-RMG	G3/8	0,3 … 10	40	GT*	840048-89KIT	840068-51KIT	840014-51KIT	840014-52KIT	840073-01KIT	840100-02KIT	840055-01KIT	840055-01KIT	840038-51KIT
B84G-4GK-AP3-RMG	B84G-4GK-QP3-RMG	G1/2	0,3 … 10	40	GT*	840048-89KIT	840068-51KIT	840014-51KIT	840014-52KIT	840073-01KIT	840100-02KIT	840055-01KIT	840055-01KIT	840038-51KIT
B84G-6GK-AP3-RMG	B84G-6GK-QP3-RMG	G3/4	0,3 … 10	40	GT*	840048-89KIT	840068-51KIT	840014-51KIT	840014-52KIT	840073-01KIT	840100-02KIT	840055-01KIT	840055-01KIT	840038-51KIT
B84G-3GK-AD3-RMG	B84G-3GK-QD3-RMG	G3/8	0,3 … 17	40	M**	840048-89KIT	840068-51KIT	840014-51KIT	840014-52KIT	840073-01KIT	840100-02KIT	840055-01KIT	840055-01KIT	840038-51KIT
B84G-4GK-AD3-RMG	B84G-4GK-QD3-RMG	G1/2	0,3 … 17	40	M**	840048-89KIT	840068-51KIT	840014-51KIT	840014-52KIT	840073-01KIT	840100-02KIT	840055-01KIT	840055-01KIT	840038-51KIT
B84G-6GK-AD3-RMG	B84G-6GK-QD3-RMG	G3/4	0,3 … 17	40	M**	840048-89KIT	840068-51KIT	840014-51KIT	840014-52KIT	840073-01KIT	840100-02KIT	840055-01KIT	840055-01KIT	840038-51KIT

* GT = Guarded transparent bowl.
** M = Metal bowl.

For other styles of mounting bracket and accessories, please refer to page 548.
NOTE: End connectors required for use with quikclamps if directly mounting to pipework / fittings – contact us for further details.

EXCELON® PLUS MODULAR SYSTEM

Micro and oilfog lubricator L84M, L84C – G3/8 … G3/4

- Excelon® Plus design allows in-line installation or modular installation with other Excelon® Plus products
- Flow sensor provides a nearly constant oil/air ratio over a wide range of flows
- Double safety lock bowl
- Metal bowl with prismatic liquid level indicator lens
- Light weight Polycarbonate bowl
- All round (360°) visibility of sightdome for ease of drip rate setting
- Choice of two oil delivery systems

Technical Data

Medium:
Compressed air only

Maximum supply pressure:
Polycarbonate bowl: 10 bar
Metal bowl: 20 bar

Bowl:
0,2 litre

Flow:
Micro-fog: 73 dm^3/s
Oil-fog: 91 dm^3/s at port size: 1/2", operating pressure: 6,3 bar and Δp: 0,5 bar

Start point:
0,94 dm^3/s

Ambient/Media temperature:
Polycarbonate bowl: -10°C … +60°C
Metal bowl: -20°C … +65°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Materials

Bowl:
PC with PP guard

Metal bowl:
Die cast aluminium

Body:
Die cast aluminium

Body covers:
ABS

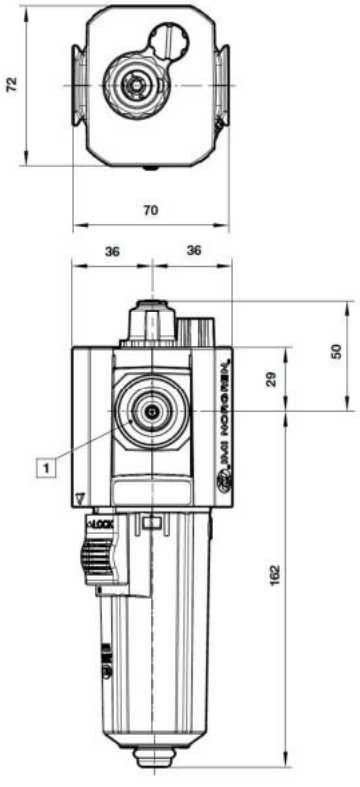
Sightdome:
Transparent PA

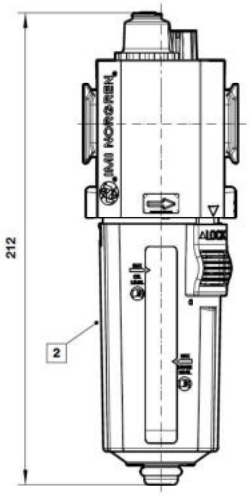
Bowl 'o'- ring:
Chloroprene

Elastomers:
NBR



Dimensions





Plugged bowl

[1] Main ports 3/8", 1/2" or 3/4" (ISO G/PTF)
[2] Transparent bowl with guard

EXCELON® PLUS MODULAR SYSTEM

Micro- and oilfog lubricator L84M, L84C – G3/8 … G3/4

Models

Accessories

Service Kit

L84M series Model	Type	Port size	Bowl	Wall mounting bracket	Quikclamp	Quikclamp with bracket	Lubricator bowl Guarded Poly	Lubricator bowl Metal with sight glass	Lubricator sight dome kit
									
L84M-3GP-EPN	Micro fog	G3/8	GT**	840024-50KIT	840014-51K	840014-52KIT	840025-52KIT	840003-52KIT	840055-50KIT
L84M-4GP-EPN	Micro fog	G1/2	GT**	840024-50KIT	840014-51K	840014-52KIT	840025-52KIT	840003-52KIT	840055-50KIT
L84M-6GP-EPN	Micro fog	G3/4	GT**	840024-50KIT	840014-51K	840014-52KIT	840025-52KIT	840003-52KIT	840055-50KIT
L84M-3GP-EDN	Micro fog	G3/8	M*	840024-50KIT	840014-51K	840014-52KIT	840025-52KIT	840003-52KIT	840055-50KIT
L84M-4GP-EDN	Micro fog	G1/2	M*	840024-50KIT	840014-51K	840014-52KIT	840025-52KIT	840003-52KIT	840055-50KIT
L84M-6GP-EDN	Micro fog	G3/4	M*	840024-50KIT	840014-51K	840014-52KIT	840025-52KIT	840003-52KIT	840055-50KIT
L84C-3GP-EPN	Oil fog	G3/8	GT**	840024-50KIT	840014-51K	840014-52KIT	840025-52KIT	840003-52KIT	840055-51KIT
L84C-4GP-EPN	Oil fog	G1/2	GT**	840024-50KIT	840014-51K	840014-52KIT	840025-52KIT	840003-52KIT	840055-51KIT
L84C-6GP-EPN	Oil fog	G3/4	GT**	840024-50KIT	840014-51K	840014-52KIT	840025-52KIT	840003-52KIT	840055-51KIT
L84C-3GP-EDN	Oil fog	G3/8	M*	840024-50KIT	840014-51K	840014-52KIT	840025-52KIT	840003-52KIT	840055-51KIT
L84C-4GP-EDN	Oil fog	G1/2	M*	840024-50KIT	840014-51K	840014-52KIT	840025-52KIT	840003-52KIT	840055-51KIT
L84C-6GP-EDN	Oil fog	G3/4	M*	840024-50KIT	840014-51K	840014-52KIT	840025-52KIT	840003-52KIT	840055-51KIT

** GT = Guarded transparent bowl.
* M = Metal bowl.

For other styles of mounting bracket and accessories, please refer to page 548.

NOTE: End connectors required for use with quikclamps if directly mounting to pipework / fittings – contact us for further details.

EXCELON® PLUS MODULAR SYSTEM

3/2 Shut-off valves T84T – G3/8 … G3/4

- Excelon® Plus design allows in-line installation or modular installation with other Excelon® Plus products
- Threaded exhaust port
- Lockable in closed position with padlock

Technical Data

Medium:
Compressed air only

Maximum supply pressure:
20 bar

Flow:
From IN to OUT ports:
1/2": 162 dm³/s at 6,3 bar
and Δp 0,5 bar pressure drop,
1,8 dm³/s from OUT to exhaust port.

Ambient/Media temperature:
-20°C … +65°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°

Materials

Body:
Die cast aluminium

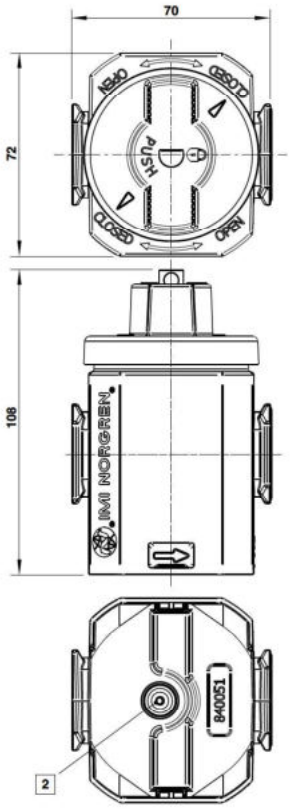
Body covers:
ABS

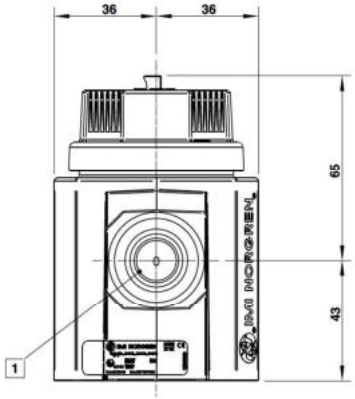
Elastomers:
NBR

T84T



Dimensions





[1] Main ports 3/8", 1/2" or 3/4" (ISO G/PTF)
[2] Exhaust Port Rc1/4 or 1/4 (PTF)

Models

T84T series Model	Port Size	Function	Exhaust Port	Valve type
T84T-3GA-B1N	G3/8	3/2	G1/4	Ball valve
T84T-4GA-B1N	G1/2	3/2	G1/4	Ball valve
T84T-6GA-B1N	G3/4	3/2	G1/4	Ball valve

Accessories

Wall mounting bracket	Quikclamp	Quikclamp with bracket	Porous plastic silencers	Padlock	Padlock lock out device	Silencer	Plastic silencer
							
840024-50KIT	840014-51KIT	840014-52KIT	MS002A	840055-01KIT	840055-02KIT	T40C2800	0146000000000000
840024-50KIT	840014-51KIT	840014-52KIT	MS002A	840055-01KIT	840055-02KIT	T40C2800	0146000000000000
840024-50KIT	840014-51KIT	840014-52KIT	MS002A	840055-01KIT	840055-02KIT	T40C2800	0146000000000000

For other styles of mounting bracket and accessories, please refer to page 548.
NOTE: End connectors required for use with quikclamps if directly mounting to pipework / fittings – contact us for further details.

EXCELON® PLUS MODULAR SYSTEM

Accessories

SHUT-OFF VALVES

- Ideal for isolating sub-systems not in use
- Easy to operate – quarter turn device
- Lockable in the 'closed' position



WALL MOUNTING BRACKET

- Provides secure wall mounting for individual Excelon® Plus products



QUIKCLAMP

- Allows easy connection of one Excelon® Plus unit to another
- Uniquely, connected products can be rotated in 90° increments



QUIKCLAMPS AND WALL BRACKETS

- Allows easy connection of one Excelon® Plus unit to another
- Uniquely, connected products can be rotated in 90° increments
- Secure mounting to a wall, panel or machine surface



FULL FLOW MANIFOLD BLOCK

- Provides a manifolding capability for up to 3 products, with G3/4 ports.
- Ideal for right-angled piping



PRESSURE SENSING BLOCK

- Provides 3 G1/4 auxiliary air outlets
- Ideal for adding a pressure switch to allow pressure sensing
- When placed between a filter-regulator and lubricator allows branching off to systems requiring a non-lubricated supply



PANEL MOUNTING RING

- Allows bonnets with panel mounting thread to be directly mounted



PRESSURE SWITCHES 51D & 18 D





PORT ADAPTORS



Models

Model Accessories	3/2 Shut-off valve*	Wall mounting bracket	Quikclamp	Quikclamps and wall brackets	Full Flow Manifold Block	Pressure Sensing Block	Panel Mounting Ring	Neck Mounting bracket (Including Panel mounting ring)	Pressure switch
									
	T84T-4GA-B1N	840024-50KIT	840014-51KIT	840014-52KIT	840028-53KIT	840016-51KIT	840048-89KIT	840068-51KIT	0337717000000000'

* Threaded exhaust port.

NOTE: End connectors required for use with quikclamps if directly mounting to pipework / fittings – contact us for further details.



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EXCELON® MODULAR SYSTEM

Combination filter/regulators and lubricators BL72, BL73, BL74 – G1/4 … G1/2

- Shut off valve for safe isolation of supply
- General purpose filter removing condensate and particle contamination
- Regulator ensuring optimum working pressure for economy and safety
- Lubricator to deliver a correct level of oil lubrication into the downstream system optimising life expectancy of other products
- Sturdy bracket for correct mounting
- Pressure gauge for constant monitoring of output pressure

Technical Data

Medium:
Compressed air only

Maximum inlet pressure:
10 bar

Gauge ports:
Rc 1/8

Ambient temperature:
-20°C … +50°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Pressure range:
0,3 … 10 bar
Note: Outlet pressure can be adjusted in excess of and also less than those listed

Materials

BL72:
Body: Zinc
Bowl: Transparent PC
Elastomers: CR & NBR

BL73:
Body: Die cast aluminium
Bowl: Transparent PC
Elastomers: CR & NBR

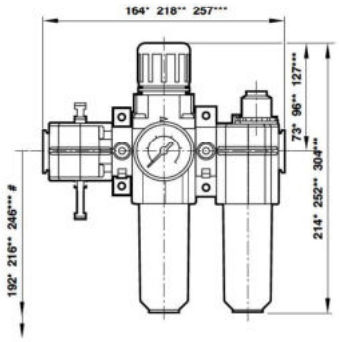
BL74:
Body: Die cast aluminium
Bowl: Transparent PC with steel guard
Metal bowl: Die cast aluminium
Elastomers: CR & NBR

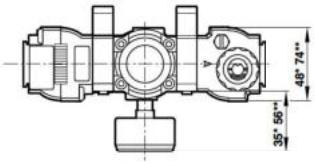
EXPRESS





Dimensions





* BL72, ** BL73, *** BL74
# Minimum clearance required to remove bowl

Options

- Alternative outlet ranges
- Alternative port sizes
- Element 5µm
- Alternative bowl options
- Oil fog lubricator

Models

Accessories

Service Kit

Boxed sets BL72, BL73 and BL74 with shut-off valve				Tamper resistant kit	Quick fill nipple	Auto drain	Manual drain
Auto drain Model	Manual drain Model	Port size	Bowl				
							
BL72-201GA	BL72-221G	G1/4	T	4255-51	–	B72G-KITA40R & L72M-KIT	B72G-KITM40R & L72M-KIT
BL73-301G	BL73-321G	G3/8	T	4455-51	18-011-024	B73G-KITA40R & L73M-KIT	B73G-KITM40R & L73M-KIT
BL74-401G	BL74-421G	G1/2	GT	4355-51	18-011-024	B74G-KITA40R & L74M-KIT	B74G-KITM40R & L74M-KIT

Boxed sets BL72, BL73 and BL74 with shut-off valve				Tamper resistant kit	Quick fill nipple	Auto drain	Manual drain
Auto drain Model	Manual drain Model	Port size	Bowl				
							
BL72-205GA	BL72-225G	G1/4	T	4255-51	–	B72G-KITA40R & L72M-KIT	B72G-KITM40R & L72M-KIT
BL73-305G	BL73-325G	G3/8	T	4455-51	18-011-024	B73G-KITA40R & L73M-KIT	B73G-KITM40R & L73M-KIT
BL74-405G	BL74-425G	G1/2	GT	4355-51	18-011-024	B74G-KITA40R & L74M-KIT	B74G-KITM40R & L74M-KIT

GT= Guarded transparent bowl.
T=Transparent bowl.

EXCELON® MODULAR SYSTEM

General purpose filters F72G, F73G, F74G – G1/4 … G3/4

- Excelon® design allows in-line installation or modular installation with other Excelon® products
- Quick release bayonet bowl

Technical Data

Medium:
Compressed air only

Maximum inlet pressure:
10 bar

Ambient temperature:
-34°C … +50°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Materials

F72G:
Body: Die cast zinc
Bowl: Transparent PC alternative transparent PC with steel guard alternative aluminium
Liquid level indicator lens (metal bowl): Transparent PA
Filter element: Sintered PP
Elastomers: CR & NBR

F73G:
Body: Die cast aluminium
Bowl: Transparent PC alternative transparent PC with steel guard alternative aluminium
Liquid level indicator lens (metal bowl): Transparent PA
Filter element: Sintered PP
Elastomers: CR & NBR

F74G:
Body: Die cast aluminium
Bowl: Transparent PC with steel guard or die cast aluminium
Liquid level indicator lens (metal bowl): Transparent PA
Filter element: Sintered PP
Elastomers: CR & NBR

EXPRESS

F72G

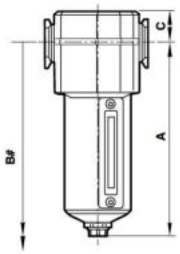


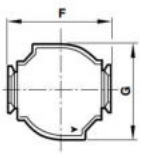
F73G



F74G







Minimum clearance required to remove bowl

Dimensions

Series	Drain	A	B	C	F	G
72	Auto	141	192	19	50	48
	Manual	134	185	19	50	48
73	Auto	147	207	25	68	62
	Manual	156	216	25	68	62
74	Auto	161	230	25	80	74
	Manual	177	246	25	80	74

Online at www.imi-precision.com

EXCELON® MODULAR SYSTEM

General purpose filters F72G, F73G, F74G – G1/4 … G3/4

Models

Accessories

Service Kit

F72G series Auto drain Model	Manual drain Model	Port size	Flow* (dm³/s)	Element (µm)	Bowl	Wall mounting bracket	Auto drain	Manual drain
								
F72G-2GN-AL3	F72G-2GN-QT3	G1/4	28	40	T	4224-50	F72G-KITA40	F72G-KITM40
F72G-3GN-AL3	F72G-3GN-QT3	G3/8	28	40	T	4224-50	F72G-KITA40	F72G-KITM40
F72G-2GN-AL1	F72G-2GN-QT1	G1/4	28	5	T	4224-50	F72G-KITA05	F72G-KITM05
F72G-3GN-AL1	F72G-3GN-QT1	G3/8	28	5	T	4224-50	F72G-KITA05	F72G-KITM05

F73G series Auto drain Model	Manual drain Model	Port size	Flow* (dm³/s)	Element (µm)	Bowl	Wall mounting bracket	Auto drain	Manual drain
								
F73G-2GN-AT3	F73G-2GN-QT3	G1/4	29	40	T	4424-50	F73G-KITA40	F73G-KITM40
F73G-3GN-AT3	F73G-3GN-QT3	G3/8	35	40	T	4424-50	F73G-KITA40	F73G-KITM40
F73G-4GN-AT3	F73G-4GN-QT3	G1/2	38	40	T	4424-50	F73G-KITA40	F73G-KITM40
F73G-2GN-AT1	F73G-2GN-QT1	G1/4	29	5	T	4424-50	F73G-KITA05	F73G-KITM05
F73G-3GN-AT1	F73G-3GN-QT1	G3/8	35	5	T	4424-50	F73G-KITA05	F73G-KITM05
F73G-4GN-AT1	F73G-4GN-QT1	G1/2	38	5	T	4424-50	F73G-KITA05	F73G-KITM05

F74G series Auto drain Model	Manual drain Model	Port size	Flow* (dm³/s)	Element (µm)	Bowl	Wall mounting bracket	Auto drain	Manual drain
								
F74G-3GN-AP3	F74G-3GN-QP3	G3/8	66	40	GT	4324-50	F74G-KITA40	F74G-KITM40
F74G-4GN-AP3	F74G-4GN-QP3	G1/2	83	40	GT	4324-50	F74G-KITA40	F74G-KITM40
F74G-6GN-AP3	F74G-6GN-QP3	G3/4	83	40	GT	4324-50	F74G-KITA40	F74G-KITM40
F74G-3GN-AP1	F74G-3GN-QP1	G3/8	66	5	GT	4324-50	F74G-KITA05	F74G-KITM05
F74G-4GN-AP1	F74G-4GN-QP1	G1/2	83	5	GT	4324-50	F74G-KITA05	F74G-KITM05
F74G-6GN-AP1	F74G-6GN-QP1	G3/4	83	5	GT	4324-50	F74G-KITA05	F74G-KITM05

GT= Guarded transparent bowl.
T= Transparent bowl.
* Typical flow with 6,3 bar inlet pressure and 0,5 bar pressure drop.
For other styles of mounting bracket and accessories, please refer to page 566.

Options

- Alternative thread forms
- Alternative bowl options
- Mechanical service life indicator

EXCELON® MODULAR SYSTEM

'Puraire'® high efficiency oil removal filters F72C, F73C, F74C, F74H – G1/4 … G3/4

- Excelon® design allows in-line installation or modular installation with other Excelon® products
- High efficiency oil and particle removal
- Quick release bayonet bowl
- Service indicator standard

Technical Data

Medium:
Compressed air only

Maximum inlet pressure:
10 bar transparent bowl or guarded
8 bar transparent bowl
F72C with auto drain

Remaining oil content:
0,01 mg/m³ at +21°C

Particle removal:
To 0,01 µm

Ambient temperature:
-34°C … +50°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Materials

F72C:
Body: Zinc
Transparent bowl: PC
Element: Synthetic fibre & PU foam
Elastomers: CR & NBR

F73C:
Body: Die cast aluminium
Bowl: Transparent PC, with or without steel guard alternative aluminium
Element: Synthetic fibre & PE foam
Elastomers: CR & NBR

F74C:
Body: Die cast aluminium
Bowl: Transparent PC with steel guard or die cast aluminium
Element: Synthetic fibre & PE foam
Elastomers: CR & NBR

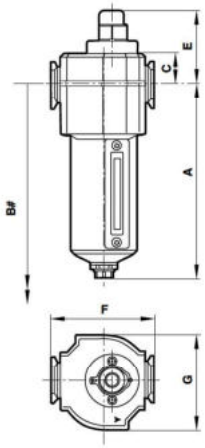
Service life indicator:
Body: Transparent PA
Internal parts: Acetal
Spring: Stainless steel
Elastomers: NBR

EXPRESS





Dimensions



Minimum clearance required to remove bowl

Series	Drain	A	B	C	E	F	G
F72C	Auto	141	192	19	53	50	48
F73C	Auto	147	207	25	60	68	62
F74C	Auto	161	230	25	60	80	74
F74H	Auto	214	267	25	60	80	74

Options

- Alternative thread forms
- Guarded ploycarbonate bowls (72,73)
- Metal bowls
- Without service life indicator
- Manual drains

Typical performance characteristics

Inlet pressure (bar)	Maximum flow (dm³/s)			
	F72C	F73C	F74C	F74H
1	1,8	4,0	6,4	11,2
3	3,1	6,9	11,0	19,3
5	4,0	8,9	14,3	24,9
6,3	4,5	10,0	16,0	28,0
7	4,7	10,5	16,9	29,5
9	5,4	12,0	19,1	33,5

* Maximum flow to maintain stated oil removal performance.

Models

Accessories

Service Kit

Auto drain Model	Port size	Flow* (dm³/s)	Bowl	Wall mounting bracket	
					
F72C-2GD-AL0	G1/4	4,5	T	4224-50	F72C-KITA0C
F72C-3GD-AL0	G3/8	4,5	T	4224-50	F72C-KITA0C
F73C-2GD-AT0	G1/4	10	T	4424-50	F73C-KITA0C
F73C-3GD-AT0	G3/8	10	T	4424-50	F73C-KITA0C
F73C-4GD-AT0	G1/2	10	T	4424-50	F73C-KITA0C
F74C-3GD-AP0	G3/8	16	GT	4324-50	F74C-KITA0C
F74C-4GD-AP0	G1/2	16	GT	4324-50	F74C-KITA0C
F74H-4GD-AP0	G1/2	28	GT	4324-50	F74H-KITA0C
F74H-6GD-AP0	G3/4	28	GT	4324-50	F74H-KITA0C

GT= Guarded transparent bowl.
T=Transparent bowl.

* To maintain stated oil content at 6,3 bar inlet pressure.

For other styles of mounting bracket and accessories, please refer to page 566.

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IMI NORGREN

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IMI Precision Engineering

EXCELON® MODULAR SYSTEM

'Ultraire'® high efficiency oil vapour removal filters F72V, F74V – G1/4 … G3/4

- Excelon® design allows in-line or modular installation with other Excelon® products
- Adsorbing type activated carbon element removes oil vapours and most hydrocarbon odours
- Quick release bayonet bowl
- High Intensity blue colour change indication when contaminated
- Carbon pack service life 1000 hours at 21ºC

Technical Data

Medium:
Compressed air only

Maximum inlet pressure:
F72V: 10 bar
F74V: 17 bar

Remaining oil content:
0,003 mg/m³ max. at +21°C

Ambient temperature:
Transparent bowl:
-34°C … +50°C (F72V)
Metal bowl: -34°C … +65°C (F74V)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Materials

F72V:
Body: Zinc
Transparent bowl: PC
Element: Activated carbon & PC
Elastomers: NBR

F74V:
Body: Die cast alminium
Metal bowl: Die cast alminium
Element: Activated carbon & Alminium
Elastomers: CR & NBR

EXPRESS

F72V

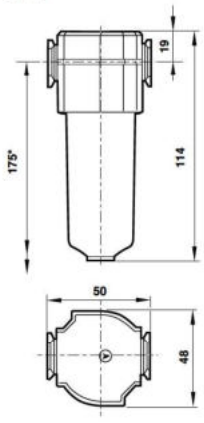


F74V

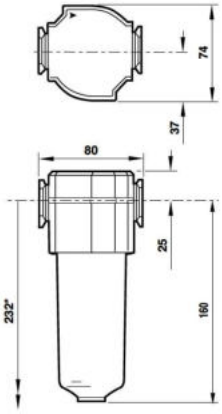


Dimensions

F72V

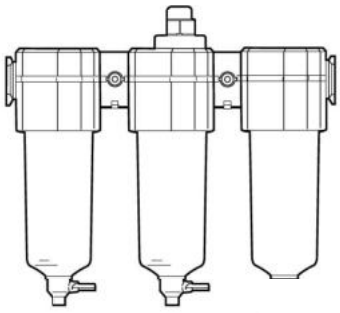


F74V



Minimum clearance required to remove bowl

Oil vapour removal filters must be protected upstream by an oil removal filter. A typical assembly:



Models

F72V series Model	Port size	Flow* (dm³/s)	Bowl	Wall mounting bracket	
					
F72V-2GN-ETC	G1/4	1,6	T	4224-50	F72V-KITA0V
F72V-3GN-ETC	G3/8	1,6	T	4224-50	F72V-KITA0V

F74V series Model	Port size	Flow* (dm³/s)	Bowl	Wall mounting bracket	
					
F74V-3GN-EMA	G3/8	13	M	4324-50	F74V-KITA0V
F74V-4GN-EMA	G1/2	13	M	4324-50	F74V-KITA0V
F74V-6GN-EMA	G3/4	13	M	4324-50	F74V-KITA0V

M= Metal bowl.
T=Transparent bowl.

* To maintain stated oil content at 6,3 bar inlet pressure.

For other styles of mounting bracket and accessories, please refer to page 566.

Accessories

Service Kit

Typical performance characteristics

Inlet pressure (bar)	Maximum flow (dm³/s)	
	F72V	F74V
2,5	1,0	8,7
4	1,3	10,7
6,3	1,6	13,3
8	1,8	15,6
10	2,0	17,6

* Maximum flow to maintain stated oil removal performance.

Options

- Alternative thread forms

IMI Precision Engineering

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EXCELON® MODULAR SYSTEM

Pressure regulators R72G, R73G, R74G – G1/4 … G3/4

- Excelon® design allows in-line or modular installation
- Balanced valve design for optimum pressure control
- Standard relieving models allow reduction of downstream pressure when the system is dead-ended
- Push to lock adjusting knob with tamper resistant accessory

Technical Data

Medium:
Compressed air only

Maximum inlet pressure:
20 bar

Gauge ports:
Rc1/8

Ambient temperature:
R72G: -34°C … +65°C
R73G & R74G: -34°C … +80°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Pressure range:
0,3 … 10 bar (Knob)
0,7 … 17 bar (T-bar) - 73&74 series only
Note: Outlet pressure can be adjusted in excess of and also less than those listed

Materials

R72G:
Body: Die cast zinc
Bottom plug: Acetal
Bonnet: Acetal
Valve: PP & TPV
Elastomers: NBR

R73G:
Body: Cast aluminium
Bonnet: Die cast zinc
Bottom plug: Acetal
Elastomers: NBR

R74G:
Body & Bonnet: Cast aluminium
Bottom plug: Acetal
Elastomers: NBR

EXPRESS

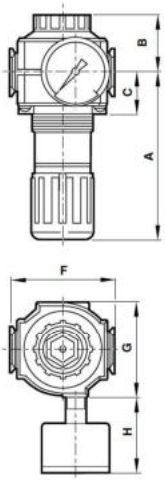
R72G



R73G & R74G



Dimensions



Series	A	B	C	F	G	H	Panel Ø	Panel depth
72	73	33	26	50	48	35	40	0 … 4
73	96	39	31	68	62	56	48	2 … 6
74	127	43	31	80	74	56	52	2 … 6

EXCELON® MODULAR SYSTEM

Pressure regulators R72G, R73G, R74G – G1/4 … G3/4

Models

Accessories

Service Kit

R72G series Model	Port size	Pressure range (bar)	Flow* (dm^3/s)	Bonnet	Wall mounting bracket	Neck mounting bracket	Gauge	Tamper resistant kit	
									
R72G-2GK-RMN	G1/4	0,3 … 10	33	Knob	4224-50	74316-50	18-015-989 (0 … 10 bar)	4255-51	R72G-KITR
R72G-3GK-RMN	G3/8	0,3 … 10	33	Knob	4224-50	74316-50	18-015-989 (0 … 10 bar)	4255-51	R72G-KITR

R73G series Model	Port size	Pressure range (bar)	Flow* (dm^3/s)	Bonnet	Wall mounting bracket	Neck mounting bracket	Gauge	Tamper resistant kit	
									
R73G-2GK-RMN	G1/4	0,3 … 10	50	Knob	4424-50	4461-50	18-015-013 (0 … 10 bar)	4455-51	R73G-KITR
R73G-3GK-RMN	G3/8	0,3 … 10	60	Knob	4424-50	4461-50	18-015-013 (0 … 10 bar)	4455-51	R73G-KITR
R73G-4GK-RMN	G1/2	0,3 … 10	60	Knob	4424-50	4461-50	18-015-013 (0 … 10 bar)	4455-51	R73G-KITR
R73G-2GT-RSN	G1/4	0,7 … 17	50	T-bar	4424-50	4461-50	18-015-014 (0 … 25 bar)	–	R73G-KITR
R73G-3GT-RSN	G3/8	0,7 … 17	60	T-bar	4424-50	4461-50	18-015-014 (0 … 25 bar)	–	R73G-KITR
R73G-4GT-RSN	G1/2	0,7 … 17	60	T-bar	4424-50	4461-50	18-015-014 (0 … 25 bar)	–	R73G-KITR

R74G series Model	Port size	Pressure range (bar)	Flow* (dm^3/s)	Bonnet	Wall mounting bracket	Neck mounting bracket	Gauge	Tamper resistant kit	
									
R74G-3GK-RMN	G3/8	0,3 … 10	98	Knob	4324-50	4368-51	18-015-013 (0 … 10 bar)	4355-51	R74G-KITR
R74G-4GK-RMN	G1/2	0,3 … 10	105	Knob	4324-50	4368-51	18-015-013 (0 … 10 bar)	4355-51	R74G-KITR
R74G-6GK-RMN	G3/4	0,3 … 10	105	Knob	4324-50	4368-51	18-015-013 (0 … 10 bar)	4355-51	R74G-KITR
R74G-3GT-RSN	G3/8	0,7 … 17	98	T-bar	4324-50	4368-51	18-015-014 (0 … 25 bar)	–	R74G-KITR
R74G-4GT-RSN	G1/2	0,7 … 17	105	T-bar	4324-50	4368-51	18-015-014 (0 … 25 bar)	–	R74G-KITR
R74G-6GT-RSN	G3/4	0,7 … 17	105	T-bar	4324-50	4368-51	18-015-014 (0 … 25 bar)	–	R74G-KITR

* Typical flow with 10 bar inlet pressure and 1 bar droop from set pressure of 6,3 bar.

For other styles of mounting bracket and accessories, please refer to page 566.

Options

- Alternative thread forms
- Alternative outlet ranges
- Non-relieving options
- Reverse flow

EXCELON® MODULAR SYSTEM

Manifold regulator R72M, R74M – G1/4, G3/8, G1/2, G3/4

- Excelon® design allows in-line or modular installation
- Manifold typically up to six regulators without booster signal

Technical Data

Medium:
Compressed air only

Maximum inlet pressure:
20 bar

Ambient temperature:
R72M: -34°C … 65°C
R74M: -34°C … 80°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Materials

R72M:
Body: Zinc
Bottom plug: Acetal
Bonnet: Acetal
Valve: PP & TPV
Elastomers: NBR

R74M:
Body: Aluminum
Bonnet: Aluminum
Elastomers: NBR
Bottom plug: Acetal

R72M



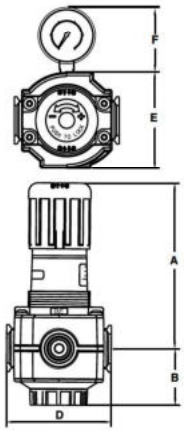
R74M



Options

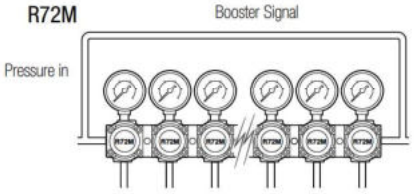
- Alternative thread forms
- Alternative outlet ranges
- Non-relieving options

Dimensions

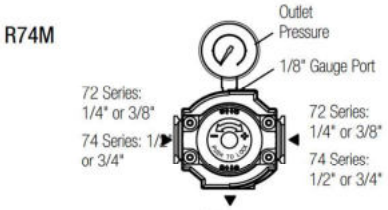


Series	A	B	D	E	F	Panel Ø	Panel depth
72	73	33	50	48	48	39	0 … 4
74	127	43	80	74	69	52	1,8 … 6

Typical manifold regulator application (R72M shown)



Note: Part number shown refers to regulator units only. Order Quikclamps as shown to assemble as required



Outlet port:
72 Series: 1/4"
74 Series: 1/2"

Models

Accessories

Service Kit

Model	Port size	Flow* (dm³/s)	Quikclamp	Quikclamp and quikclamp wall bracket	Gauge 0 … 10 bar	Tamper resistant kit	Service kit
							
R72M-2GK-RMN	G3/4	39	4214-51	4214-52	18-015-027	4255-51	4381-500
R72M-3GK-RMN	G3/8	39	4214-51	4214-52	18-015-027	4255-51	4381-500
R74M-4GK-RMN	G1/2	105	4314-51	4314-52	18-015-027	4355-51	4381-700
R74M-6GK-RMN	G3/4	105	4314-51	4314-52	18-015-027	4355-51	4381-700

* Typical flow with 10 bar inlet pressure and 1 bar droop from set pressure of 6,3 bar.

For other styles of mounting bracket and accessories, please refer to page 566.



Compact design



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EXCELON® MODULAR SYSTEM

Filter/regulators B72G, B73G, B74G – G1/4 … G3/4

- Excelon® design allows in-line installation or modular installation with other Excelon® products
- High efficiency water and particle removal
- Quick release bayonet bowl
- Push to lock adjusting knob with tamper resistant accessory

Technical Data

Medium:
Compressed air only

Maximum inlet pressure:
10 bar: Polycarbonate and Guarded Polycarbonate bowl
17 bar: Metal bowl

Pressure range:
0,3 … 10 bar
0,7 … 17 bar - B73, B74

Gauge ports:
Rc1/8

Ambient temperature:
-34°C … +50°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Materials

B72G:
Body: Zinc
Bonnet: Acetal
Valve: PP & TPV
Transparent bowl: PC
Metal bowl: Zinc
Liquid level indicator lens (metal bowl): Transparent PA
Filter element: Sintered PP
Elastomers: CR & NBR

B73G:
Body: Die cast aluminium
Bonnet: Zinc
Valve: Brass
Bowl: Transparent PC alternative transparent PC with steel guard alternative aluminium
Liquid level indicator lens (metal bowl): Transparent PA
Filter element: Sintered PP
Elastomers: CR & NBR

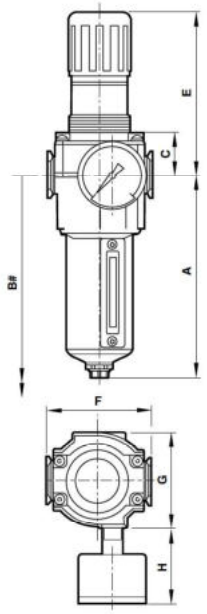
B74G:
Body: Die cast aluminium
Bonnet: Aluminium
Valve: Brass
Bowl: Transparent PC with steel guard or die cast aluminium
Liquid level indicator lens (metal bowl): Transparent PA
Filter element: Sintered PP
Elastomers: CR & NBR

EXPRESS





Dimensions



Minimum clearance required to remove bowl

Series	Drain	A	B	C	E	F	G	H	Panel Ø
72	Auto	141	192	26	73	50	48	35	40
	Manual	134	185	26	73	50	48	35	40
73	Auto	147	207	31	96	68	62	56	48
	Manual	156	216	31	96	68	62	56	48
74	Auto	161	230	31	127	80	74	56	52
	Manual	177	246	31	127	80	74	56	52

Options

- Alternative thread forms
- Alternative outlet ranges
- Alternative bowl options
- Non-relieving options
- Reverse flow

Online at www.imi-precision.com

EXCELON® MODULAR SYSTEM

Filter/regulators B72G, B73G, B74G – G1/4 … G3/4

Models

Accessories

Service Kit

B72G series Auto drain Model	Manual drain Model	Port size	Pressure range (bar)	Flow* (dm³/s)	Element (µm)	Bowl	Wall mounting bracket	Neck mounting bracket	Gauge (0 … 10 bar)	Tamper resistant kit	Auto drain	Manual drain
												
B72G-2GK-AL3-RMN	B72G-2GK-QT3-RMN	G1/4	0,3 … 10	38	40	T	4224-50	74316-50	18-015-989	4255-51	B72G-KITA40R	B72G-KITM40R
B72G-3GK-AL3-RMN	B72G-3GK-QT3-RMN	G3/8	0,3 … 10	38	40	T	4224-50	74316-50	18-015-989	4255-51	B72G-KITA40R	B72G-KITM40R
B72G-2GK-AL1-RMN	B72G-2GK-QT1-RMN	G1/4	0,3 … 10	38	5	T	4224-50	74316-50	18-015-989	4255-51	B72G-KITA05R	B72G-KITM05R
B72G-3GK-AL1-RMN	B72G-3GK-QT1-RMN	G3/8	0,3 … 10	38	5	T	4224-50	74316-50	18-015-989	4255-51	B72G-KITA05R	B72G-KITM05R

B73G series Auto drain Model	Manual drain Model	Port size	Pressure range (bar)	Flow* (dm³/s)	Element (µm)	Bowl	Wall mounting bracket	Neck mounting bracket	Gauge**	Tamper resistant kit	Auto drain	Manual drain
												
B73G-2GK-AT3-RMN	B73G-2GK-QT3-RMN	G1/4	0,3 … 10	49	40	T	4424-50	4461-50	18-015-013	4455-51	B73G-KITA40R	B73G-KITM40R
B73G-3GK-AT3-RMN	B73G-3GK-QT3-RMN	G3/8	0,3 … 10	50	40	T	4424-50	4461-50	18-015-013	4455-51	B73G-KITA40R	B73G-KITM40R
B73G-4GK-AT3-RMN	B73G-4GK-QT3-RMN	G1/2	0,3 … 10	50	40	T	4424-50	4461-50	18-015-013	4455-51	B73G-KITA40R	B73G-KITM40R
B73G-2GT-AD3-RSN	B73G-2GT-QD3-RSN	G1/4	0,7 … 17	49	40	M	4424-50	4461-50	18-015-014	–	B73G-KITA40R	B73G-KITM40R
B73G-3GT-AD3-RSN	B73G-3GT-QD3-RSN	G3/8	0,7 … 17	50	40	M	4424-50	4461-50	18-015-014	–	B73G-KITA40R	B73G-KITM40R
B73G-4GT-AD3-RSN	B73G-4GT-QD3-RSN	G1/2	0,7 … 17	50	40	M	4424-50	4461-50	18-015-014	–	B73G-KITA40R	B73G-KITM40R
B73G-2GK-AT1-RMN	B73G-2GK-QT3-RMN	G1/4	0,3 … 10	49	5	T	4424-50	4461-50	18-015-013	4455-51	B73G-KITA05R	B73G-KITM05R
B73G-3GK-AT1-RMN	B73G-3GK-QT3-RMN	G3/8	0,3 … 10	50	5	T	4424-50	4461-50	18-015-013	4455-51	B73G-KITA05R	B73G-KITM05R
B73G-4GK-AT1-RMN	B73G-4GK-QT3-RMN	G1/2	0,3 … 10	50	5	T	4424-50	4461-50	18-015-013	4455-51	B73G-KITA05R	B73G-KITM05R
B73G-2GT-AD1-RSN	B73G-2GT-QD1-RSN	G1/4	0,7 … 17	49	5	M	4424-50	4461-50	18-015-014	–	B73G-KITA05R	B73G-KITM05R
B73G-3GT-AD1-RSN	B73G-3GT-QD1-RSN	G3/8	0,7 … 17	50	5	M	4424-50	4461-50	18-015-014	–	B73G-KITA05R	B73G-KITM05R
B73G-4GT-AD1-RSN	B73G-4GT-QD1-RSN	G1/2	0,7 … 17	50	5	M	4424-50	4461-50	18-015-014	–	B73G-KITA05R	B73G-KITM05R

B74G series Auto drain Model	Manual drain Model	Port size	Pressure range (bar)	Flow* (dm³/s)	Element (µm)	Bowl	Wall mounting bracket	Neck mounting bracket	Gauge**	Tamper resistant kit	Auto drain	Manual drain
												
B74G-3GK-AP3-RMN	B74G-3GK-QP3-RMN	G3/8	0,3 … 10	77	40	GT	4324-50	4368-51	18-015-013	4355-51	B74G-KITA40R	B74G-KITM40R
B74G-4GK-AP3-RMN	B74G-4GK-QP3-RMN	G1/2	0,3 … 10	100	40	GT	4324-50	4368-51	18-015-013	4355-51	B74G-KITA40R	B74G-KITM40R
B74G-6GK-AP3-RMN	B74G-6GK-QP3-RMN	G3/4	0,3 … 10	100	40	GT	4324-50	4368-51	18-015-013	4355-51	B74G-KITA40R	B74G-KITM40R
B74G-3GK-AD3-RSN	B74G-3GK-QD3-RSN	G3/8	0,7 … 17	77	40	M	4324-50	4368-51	18-015-014	–	B74G-KITA40R	B74G-KITM40R
B74G-4GT-AD3-RSN	B74G-4GT-QD3-RSN	G1/2	0,7 … 17	100	40	M	4324-50	4368-51	18-015-014	–	B74G-KITA40R	B74G-KITM40R
B74G-6GT-AD3-RSN	B74G-6GT-QD3-RSN	G3/4	0,7 … 17	100	40	M	4324-50	4368-51	18-015-014	–	B74G-KITA40R	B74G-KITM40R
B74G-3GK-AP1-RMN	B74G-3GK-QP1-RMN	G3/8	0,3 … 10	77	5	GT	4324-50	4368-51	18-015-013	4355-51	B74G-KITA05R	B74G-KITM05R
B74G-4GK-AP1-RMN	B74G-4GK-QP1-RMN	G1/2	0,3 … 10	100	5	GT	4324-50	4368-51	18-015-013	4355-51	B74G-KITA05R	B74G-KITM05R
B74G-6GK-AP1-RMN	B74G-6GK-QP1-RMN	G3/4	0,3 … 10	100	5	GT	4324-50	4368-51	18-015-013	4355-51	B74G-KITA05R	B74G-KITM05R
B74G-3GT-AD1-RSN	B74G-3GT-QD1-RSN	G3/8	0,7 … 17	77	5	M	4324-50	4368-51	18-015-014	–	B74G-KITA05R	B74G-KITM05R
B74G-4GT-AD1-RSN	B74G-4GT-QD1-RSN	G1/2	0,7 … 17	100	5	M	4324-50	4368-51	18-015-014	–	B74G-KITA05R	B74G-KITM05R
B74G-6GT-AD1-RSN	B74G-6GT-QD1-RSN	G3/4	0,7 … 17	100	5	M	4324-50	4368-51	18-015-014	–	B74G-KITA05R	B74G-KITM05R

GT = Guarded transparent bowl.
M =Metal bowl.
T =Transparent bowl.
* Typical flow with 10 bar inlet pressure and 1 bar droop from set pressure of 6,3 bar.
** Pressure range: 18-015-013 = 0 … 10 bar; 18-015-014 = 0 … 25 bar.
For other styles of mounting bracket and accessories, please refer to page 566.

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IMI NORGREN

EXCELON® MODULAR SYSTEM

Lubricators L72, L73, L74 – G1/4 … G3/4

- Excelon® design allows in-line or modular installation
- Flow sensor provides a constant density of oil delivery over a wide range of flows
- All round (360°) visibility of sight-feed dome for ease of drip rate setting
- Micro-fog lubricators for best lubrication in general purpose pneumatic applications

Technical Data

Medium:
Compressed air only

Maximum inlet pressure:
10 bar

Start point:
L72M: 0,94 dm^3/s,
L72C: 0,47 dm^3/s
L73: 0,71 dm^3/s
L74: 0,94 dm^3/s
Minimum flow required for lubricator operation at 6,3 bar inlet pressure

Bowl capacity:
L72: 0,05 l
L73: 0,10 l
L74: 0,20 l

Ambient temperature:
-34°C … +50°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Materials

L72:
Transparent bowl: PC
Metal bowl: Zinc
Body: Zinc
Elastomers: CR & NBR
Sight-feed dome: Transparent PA
Liquid level indicator lens (metal bowl): Transparent PA

L73:
Transparent bowl: PC alternative transparent PC with steel guard alternative aluminium
Body: Die cast aluminium
Sight-feed dome: Transparent PA
Elastomers: CR & NBR

L74:
Transparent bowl: PC with steel guard
Metal bowl: Die cast aluminium
Body: Die cast aluminium
Sight-feed dome: Transparent PA
Elastomers: CR & NBR

EXPRESS

L72



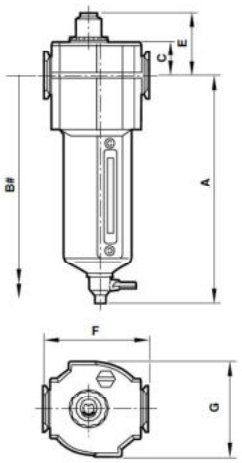
L73



L74



Dimensions



Minimum clearance required to remove bowl

Series	A	B	C	E	F	G
72	110	191	19	41	50	48
73	156	255	25	46	68	62
74	177	276	25	46	80	74

Options

- Alternative thread forms
- Quick fill device
- Alternative bowl types
- Bowl Drain (74)

Online at www.imi-precision.com

EXCELON® MODULAR SYSTEM
Lubricators L72, L73, L74 – G1/4 … G3/4

Models

B72G series Auto drain Model	Type	Port size	Flow* (dm³/s)	Bowl	Wall mounting bracket	Auto drain
						
L72M-2GP-ETN	Micro-fog	G1/4	24	T	4224-50	L72M-KIT
L72M-3GP-ETN	Micro-fog	G3/8	24	T	4224-50	L72M-KIT
L72C-2GP-ETN	Oil-fog	G1/4	24	T	4224-50	L72C-KIT
L72C-3GP-ETN	Oil-fog	G3/8	24	T	4224-50	L72C-KIT

L73 series Auto drain Model	Type	Port size	Flow* (dm³/s)	Bowl	Wall mounting bracket	Auto drain
						
L73M-2GP-ETN	Micro-fog	G1/4	30	T	4424-50	L73M-KIT
L73M-3GP-ETN	Micro-fog	G3/8	38	T	4424-50	L73M-KIT
L73M-4GP-ETN	Micro-fog	G1/2	38	T	4424-50	L73M-KIT
L73C-2GP-ETN	Oil-fog	G1/4	30	T	4424-50	L73C-KIT
L73C-3GP-ETN	Oil-fog	G3/8	38	T	4424-50	L73C-KIT
L73C-4GP-ETN	Oil-fog	G1/2	38	T	4424-50	L73C-KIT

L73 series Auto drain Model	Type	Port size	Flow* (dm³/s)	Bowl	Wall mounting bracket	Auto drain
						
L74M-3GP-QPN	Micro-fog	G3/8	50	GT	4324-50	L74M-KIT
L74M-4GP-QPN	Micro-fog	G1/2	73	GT	4324-50	L74M-KIT
L74M-6GP-QPN	Micro-fog	G3/4	73	GT	4324-50	L74M-KIT
L74C-3GP-QPN	Oil-fog	G3/8	50	GT	4324-50	L74C-KIT
L74C-4GP-QPN	Oil-fog	G1/2	73	GT	4324-50	L74C-KIT
L74C-6GP-QPN	Oil-fog	G3/4	73	GT	4324-50	L74C-KIT

GT= Guarded transparent bowl.
T=Transparent bowl.
* Typical flow with 6,3 bar inlet pressure and 0,5 bar pressure drop.
For other styles of mounting bracket and accessories, please refer to page 566.

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EXCELON® MODULAR SYSTEM

Soft start/dump valves P72F, P74F – G1/4 … G3/4

- Assists machine designers in complying with the European Machineries Directive
- Can help existing machinery to comply with PUWER (Provision and Use of Work Equipment Regulations)
- Controlled increase of downstream pressure on start up
- High forward flow capacity
- High flow dump facility

Technical Data

Medium:
Compressed air only

Maximum operating pressure:
10 bar (solenoid pilot operated),
17 bar (air pilot operated)

Minimum operating pressure:
3 bar

Ambient temperature:
P72F: -20°C … + 65°C
P74F: -20°C … + 80°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Air pilot port:
P72F M5, P74F Rc1/4

Exhaust port:
P72F Rc1/4, P74F G1/2

Maximum flow:
P72F 21 dm^3/s, P74F 57 dm^3/s
Note: Maximum flow with 6,3 bar inlet pressure and pressure drop of 0,5 bar

Snap pressure:
Full flow when downstream pressure reaches 50-80% of inlet pressure

Materials

P72F:
Body: Zinc
Internal components: Brass/steel
Filter discs: Sintered plastic
Elastomers: Syntetic materials

P74F:
Main body: Aluminum
Intermediate body: Aluminum
Top plate: Zinc
Exhaust bonnet: Zinc
Internal components: Brass/steel
Filter discs: Sintered plastic
Elastomers: Syntetic materials

EXPRESS

P72F

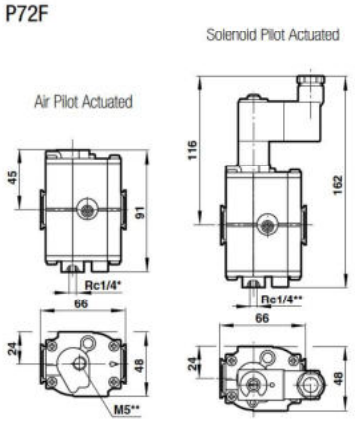


P74F

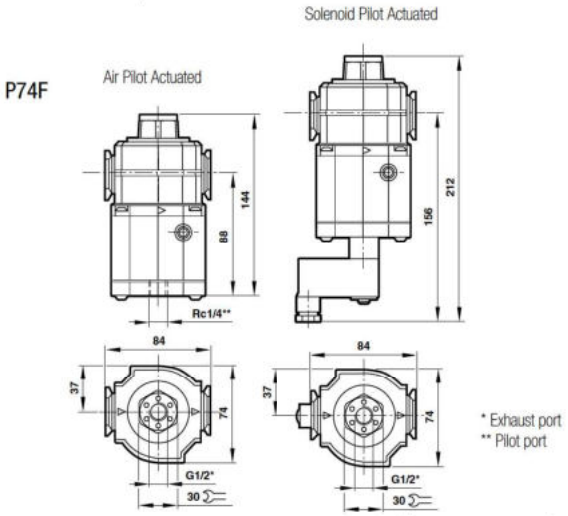


Dimensions

P72F



P74F



Options

- Alternative thread forms
- Manual lockouts
- Alternative voltage
- CNOMO options

Models

P72F series - 24V d.c. Solenoid pilot operated Model	Air pilot operated Model	Port size	Silencer	Basic solenoid plug
				
P72F-2GC-PFN	P72F-2GA-NNN	G1/4	MB002B	0657868000000000
P72F-3GC-PFN	P72F-3GA-NNN	G3/8	MB002B	0657868000000000

P74F series - 24V d.c. Solenoid pilot operated Model	Air pilot operated Model	Port size	Silencer	Basic solenoid plug
				
P74F-3GC-PFN	P74F-3GA-NNN	G3/8	MB004B	0657868000000000
P74F-4GC-PFN	P74F-4GA-NNN	G1/2	MB004B	0657868000000000
P74F-6GC-PFN	P74F-6GA-NNN	G3/4	MB004B	0657868000000000

Accessories

For other styles of mounting bracket and accessories, please refer to page 566.

EXCELON® MODULAR SYSTEM

Soft start monitored dump valve P74S – G1/2

- Controlled increase of downstream pressure on start up
- Monitored dump function
- High forward flow capacity
- High flow dump facility
- Soft start valves allow a controlled increase of pressure onto downstream cylinders/ machines offering protection to personnel equipment
- The positively driven micro switch ensures a monitored dump function

Note: Turn on system air supply prior to applying signal to operator. Failure to do so may cause valve to continuously exhaust

Technical Data

Medium:
Compressed air only

Operating pressure:
10 bar maximum
3 bar minimum

Ambient temperature:
-20°C … 50°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Gauge ports:
Rc1/8

Exhaust ports:
ISO G1/2

Snap pressure:
Full flow when downstream pressure reaches 35% - 60% of inlet pressure

Charge time:
For 2 litre downstream volume and inlet pressure of 6,3 bar, 0,2s minimum, 75 secs. maximum

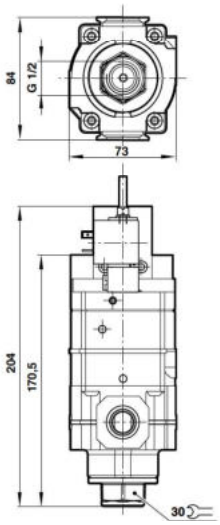
Solenoid operator:
22 mm, 24V DC, 2W only
(no manual override)

Materials

Body & Intermediate body: Aluminium
Elastomers: Synthetic materials
Filter discs: Sintered plastic
Internal components: Brass/steel
Top plate & Exhaust bonnet: Zinc



Dimensions



Options

- Alternative thread forms

Models

Accessories

Model	Port size	Wall mounting bracket	Gauge 0 … 10 bar	Silencer	Basic solenoid plug
					
P74S-4GC-N1N	G1/2	4324-50	18-015-013	MB004B	0657868000000000

For other styles of mounting bracket and accessories, please refer to page 566.

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IMI NORGREN

EXCELON® MODULAR SYSTEM

Pressure relief valves V72G, V74G – G1/4 … G3/4

- Excelon® design allows in-line installation or modular installation with other Excelon® products (V72G only)
- Push to lock adjusting knob with tamper resistant accessory
- Helps protect air operated equipment from over pressurisation

IMI Precision Engineering pressure relief valves comply with category 0(S.E.P.) and category 1 of the Pressure Equipment Directive 97/23/EC.

Technical Data

Medium:
Compressed air only

Gauge ports:
Rc1/8

Relief port:
V72G: Rc1/4
V74G: G1/2

Ambient temperature:
V72G: -34°C … +65°C
V74G: -34°C … +80°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Relief pressure adjustment range:
0,3 … 10 bar
Note: Outlet pressure can be adjusted in excess of and also less than those listed

Materials

V72G:
Body: Zinc
Bonnet: Acetal
Elastomers: NBR
Bottom plug: Acetal

V74G:
Body & Bonnet: Aluminium
Valve: Aluminium & NBR
Elastomers: NBR
Bottom plug: Acetal

EXPRESS

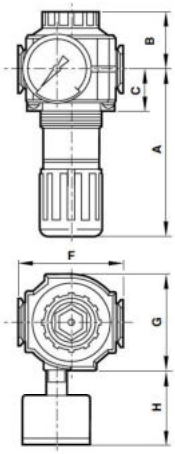
V72G



V74G



Dimensions



Series	A	B	C	F	G	H	Panel Ø	Panel depth
72	73	25	26	50	48	35	40	0 … 4
74	127	43	31	80	74	56	52	2 … 6

Options

- Alternative thread forms
- Alternative outlet ranges
- T-bar option (74 series)

Models

Accessories

Service Kit

V72G series Model	Port size	Wall mounting bracket	Neck mounting bracket	Gauge 0 … 10 bar	Tamper resistant kit	Silencer	
							
V72G-2GK-NMN	G1/4	4224-50	74316-50	18-015-989	4255-51	MB002B	V72G-KIT
V72G-3GK-NMN	G3/8	4224-50	74316-50	18-015-989	4255-51	MB002B	V72G-KIT

V74G series Model	Port size	Wall mounting bracket	Neck mounting bracket	Gauge 0 … 10 bar	Tamper resistant kit	Silencer	
							
V74G-3GK-NMN	G3/8	4324-50	4368-51	18-015-013	4355-51	MB004B	V74G-KIT
V74G-4GK-NMN	G1/2	4324-50	4368-51	18-015-013	4355-51	MB004B	V74G-KIT
V74G-6GK-NMN	G3/4	4324-50	4368-51	18-015-013	4355-51	MB004B	V74G-KIT

For other styles of mounting bracket and accessories, please refer to page 566.

EXCELON® MODULAR SYSTEM

Accessories

EXPRESS

SHUT-OFF VALVES

- Ideal for isolating sub-systems not in use
- Easy to operate – low stiction
- Lockable in the 'closed' position



WALL MOUNTING BRACKET

- Provides secure wall mounting for individual Excelon® products*

* Except P72, P74, T73 and T74 units



QUIKCLAMP

- Allows easy connection of one Excelon® unit to another
- One piece – no loose parts
- Uniquely, connected products can be rotated in 90° increments



QUIKCLAMPS AND WALL BRACKETS

- Allows easy connection of one
- Excelon® unit to another
- One piece – no loose parts
- Uniquely, connected products can be rotated in 90° increments
- Secure mounting to a wall, panel or machine surface



MANIFOLD BLOCK

- Provides a manifolding capability for up to 3 products, e.g. 3 pressure regulators can be mounted on one block to provide 3 different secondary pressures from a common primary pressure
- Ideal for right-angled piping



PORTING BLOCK

- Provides 3 G1/4 auxiliary air outlets
- Ideal for branching off to smaller sub-systems
- When placed between a filter-regulator and lubricator allows branching off to systems requiring a non-lubricated supply



QUIKMOUNT PIPE ADAPTORS

- Use with Quikclamps to provide threaded connections to system piping
- Can be used on products with unthreaded ports



Models

Series	Port size	3/2 Shut-off valve*	Wall mounting bracket	Quikclamp	Quikclamps and wall brackets	Manifold block	Porting block	Quikmount pipe adaptors
								
72	G1/4	T72T-2GA-P1N	4224-50	4214-51	4214-52	4228-03	4216-52	4215-08
72	G3/8	T72T-3GA-P1N	4224-50	4214-51	4214-52	4228-03	4216-52	4215-09
73	G1/4	T73T-2GA-P1N	4424-50	4314-51	4314-52	4328-53	4316-52	4315-09
73	G3/8	T73T-3GA-P1N	4424-50	4314-51	4314-52	4328-53	4316-52	4315-10
73	G1/2	T73T-4GA-P1N	4424-50	4314-51	4314-52	4328-53	4316-52	4315-11
74	G3/8	T74T-3GA-P1N	4324-50	4314-51	4314-52	4328-53	4316-52	4315-10
74	G1/2	T74T-4GA-P1N	4324-50	4314-51	4314-52	4328-53	4316-52	4315-11
74	G3/4	T74T-6GA-P1N	4324-50	4314-51	4314-52	4328-53	4316-52	4315-12

* Threaded exhaust port.

GENERAL PURPOSE FILTERS

F49G 1/8 … 1/2" (ISO G)

- Predefined options provide ease of ordering
- Flexible configurations

Technical Data

Medium:
Compressed air

Maximum operating pressure:
10 bar

Flow:
56,7 l/s max., at port size 1/2", operating pressure 6,3 bar and 1 bar pressure drop.

Filter element:
5 µm

Bowl capacity:
G1/8 & G1/4: 12 ml
G3/8 & G1/2: 45 ml

Drain type:
Manual, Semi automatic, Automatic

Ambient temperature:
0°C … +60°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Materials

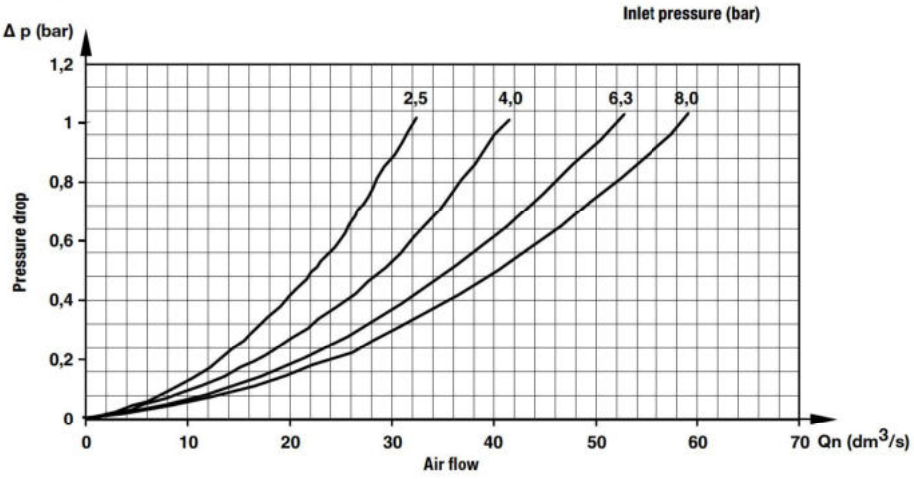
G1/8 & G1/4 Body: Polyamide
G3/8 & G1/2 Body:
Die casting Aluminum
Bowl: Transparent PC
Bowl cover: Polyamide
Elastomers: Nitrile

EXPRESS



Flow characteristics

Element 5 µm
Port size 1/2"

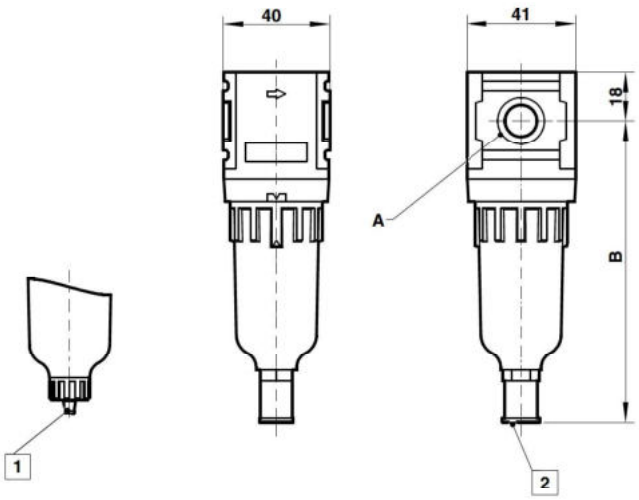


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GENERAL PURPOSE FILTERS
F49G 1/8 … 1/2" (ISO G)

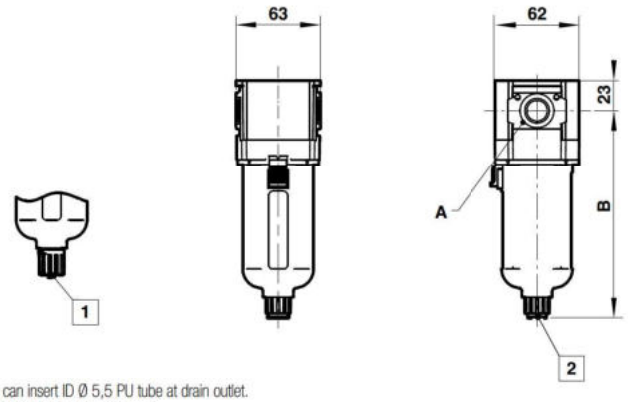
Dimensions

G1/8 & G1/4



[1] Manual drain can insert ID Ø 4 PU tube at drain outlet.
[2] Semi-auto drain can insert OD Ø 6 PU tube at drain outlet.

G3/8 & G1/2



[1] Manual drain or automatic drain can insert ID Ø 5,5 PU tube at drain outlet.
[2] Semi-auto drain can insert OD Ø 8 PU tube at drain outlet.

Port size (A)	B	Model
G1/8	113,5	F49G-1GN-ST1
G1/8	105,5	F49G-1GN-MT1
G1/4	113,5	F49G-2GN-ST1
G1/4	105,5	F49G-2GN-MT1
G3/8	158	F49G-3GN-SW1
G3/8	157	F49G-3GN-MW1
G3/8	157	F49G-3GN-AW1
G1/2	158	F49G-4GN-SW1
G1/2	157	F49G-4GN-MW1
G1/2	157	F49G-4GN-AW1

GENERAL PURPOSE FILTERS
F49G 1/8 … 1/2" (ISO G)

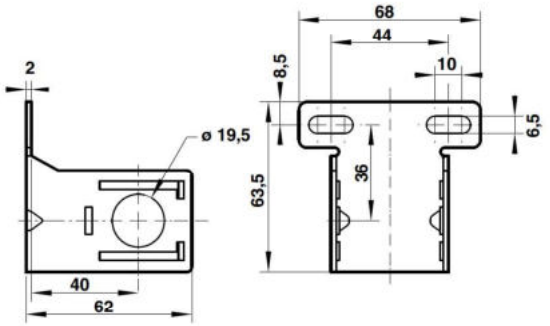
Models

Accessories

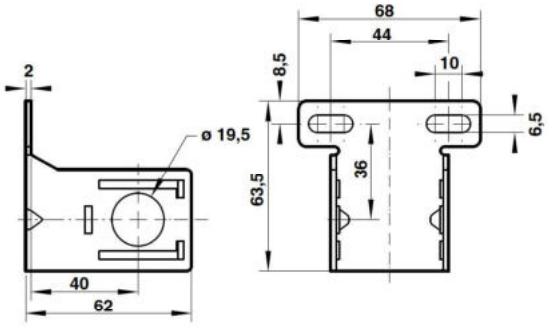
Symbol	Port size	Flow rate (l/s)	Weight (kg)	Bowl	Model Automatic	Semi automatic	Manual	C Bracket	Filter bowl	Element
										
	G1/8	10	0,09	Transparent without guard	-	F49G-1GN-ST1	F49G-1GN-MT1	49B-021	49B-FB11 (Manual) 49B-FB12 (Semi automatic)	49B-E11 49B-E13
	G1/4	15	0,09	Transparent without guard	-	F49G-2GN-ST1	F49G-2GN-MT1	49B-021		
	G3/8	25	0,30	Transparent with guard	F49-3GN-AW1	F49G-3GN-SW1	F49G-3GN-MW1	49B-022	49B-FB21 (Manual) 49B-FB22 (Semi automatic) 49B-FB23 (Automatic)	49B-E21 49B-E23
	G1/2	50	0,28	Transparent with guard	F49-4GN-AW1	F49G-4GN-SW1	F49G-4GN-MW1	49B-022		

Accessories

C Bracket
49B-021



C Bracket
49B-022



Online at www.imi-precision.com

PRESSURE REGULATORS

R49G 1/8 … 1/2" (ISO G)

- Predefined options provide ease of ordering
- Flexible configurations
- Integrated gauge reduces mounting time
- Push to lock adjusting knob

Technical Data

Medium:
Compressed air, filtered to better than 40 µm

Maximum operating pressure:
10 bar

Flow:
50 l/s max., at port size 1/2",
10 bar inlet pressure, pressure set at 6,3 bar and 1 bar pressure drop from set.

Pressure range:
0,5 … 8,5 bar

Ambient temperature:
0°C … +60°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Materials

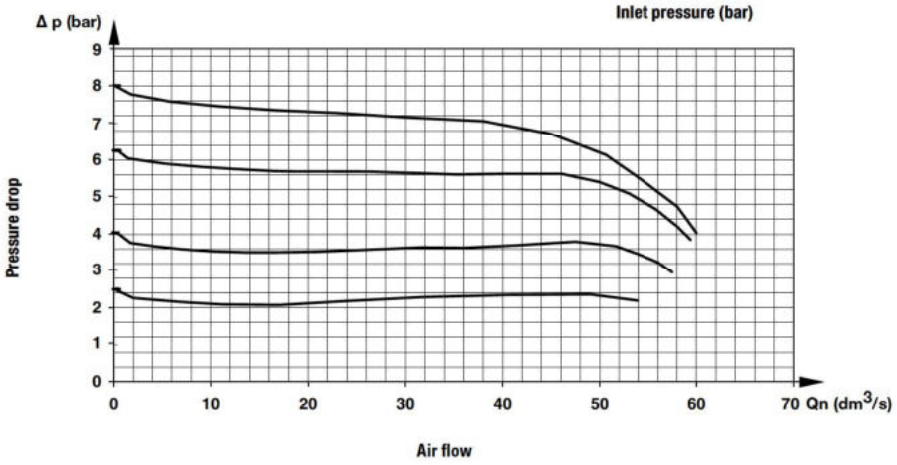
Valve Body: Anodized Aluminum
Main valve: Brass
Bonnet: Polyamide
Elastomers: Nitrile

EXPRESS



Flow characteristics

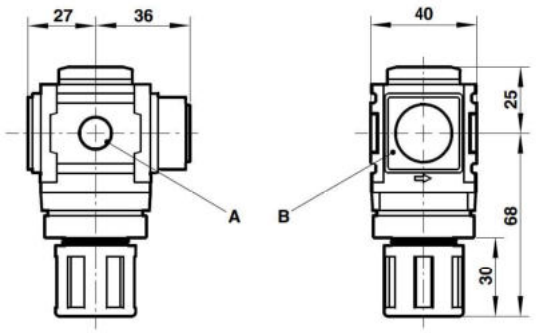
Range 0,5 … 8,5 bar
Port size 1/2"
Inlet pressure (bar)



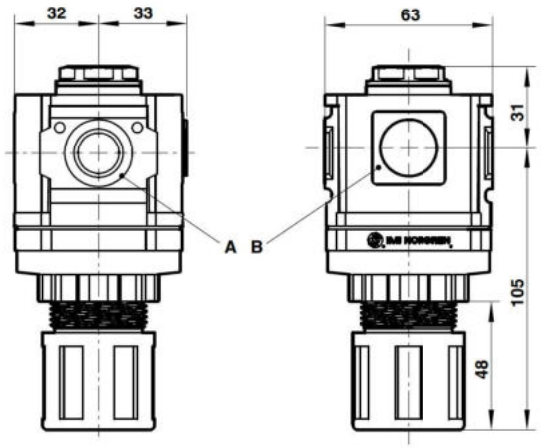
Online at www.imi-precision.com

Dimensions

G1/8 & G1/4



G3/8 & G1/2

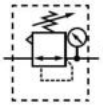


Port size (A)	B	Model
G1/8	without gauge	R49G-1GK-RMN
G1/8	with gauge	R49G-1GK-RMG
G1/4	without gauge	R49G-2GK-RMN
G1/4	with gauge	R49G-2GK-RMG
G3/8	without gauge	R49G-3GK-RMN
G3/8	with gauge	R49G-3GK-RMG
G1/2	without gauge	R49G-4GK-RMN
G1/2	with gauge	R49G-4GK-RMG

PRESSURE REGULATORS
R49G 1/8 … 1/2" (ISO G)

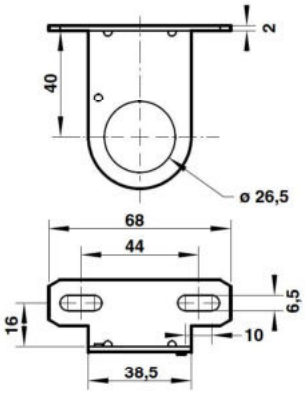
Models

Accessories

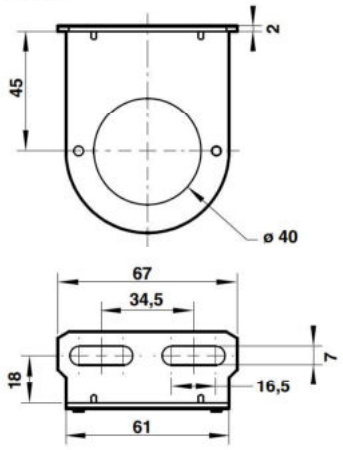
Symbol	Port size	Flow rate (l/s)	Weight (kg)	Model with gauge	Model without gauge	L Bracket	C Bracket	Gauge
								
	G1/8	10	0,16	R49G-1GK-RMG	R49G-1GK-RMN	49B-011	49B-021	49B-GS01
	G1/4	15	0,15	R49G-2GK-RMG	R49G-2GK-RMN	49B-011	49B-021	49B-GS01
	G3/8	25	0,46	R49G-3GK-RMG	R49G-3GK-RMN	49B-012	49B-022	49B-GS02
	G1/2	50	0,45	R49G-4GK-RMG	R49G-4GK-RMN	49B-012	49B-022	49B-GS02

Accessories

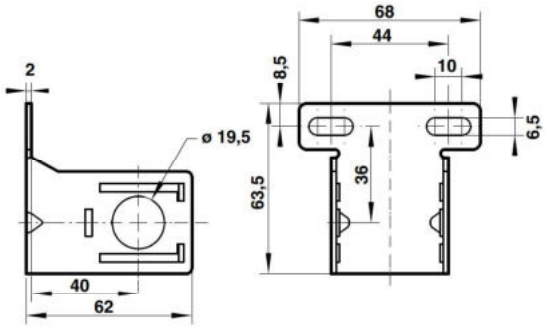
L Bracket
49B-011



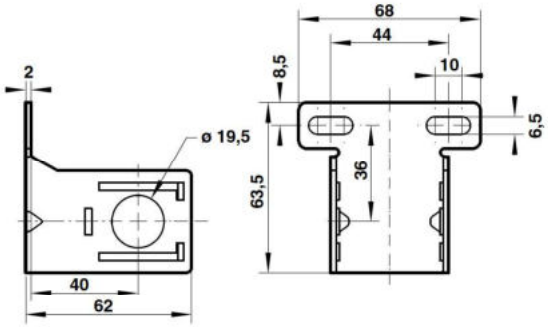
L Bracket
49B-012



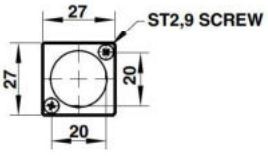
C Bracket
49B-021



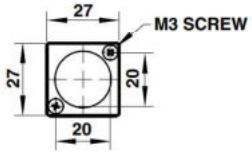
C Bracket
49B-022



Gauge
49B-GS01



Gauge
49B-GS02



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IMI NORGREN

LUBRICATORS

L49C 1/8 … 1/2" (ISO G)

- Predefined options provide ease of ordering
- Flexible configurations

Technical Data

Medium:
Compressed air

Maximum operating pressure:
10 bar

Flow:
116,7 l/s max., at port size 1/2", 10 bar inlet pressure, pressure set at 6,3 bar and 1 bar pressure drop from set.

Bowl capacity:
G1/8 & G1/4: 20 ml
G3/8 & G1/2: 85 ml

Start point *1):
1/8" & 1/4": 0,25 l/s
3/8", 1/2": 0,5 l/s
*1) Minimum flow rate for lubricator operation at 5 bar

Drain type:
Closed bottom

Ambient temperature:
0°C … +60°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Materials

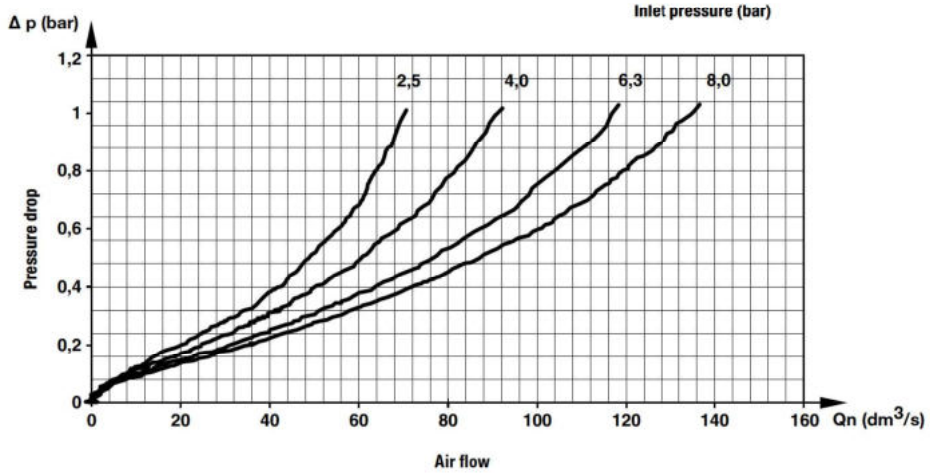
1/8" & 1/4" Body: Polyamide
3/8" & 1/2" Body: Die casting Aluminum
Bowl: Transparent PC
Bowl cover: Polyamide
Elastomers: Nitrile

EXPRESS



Flow characteristics

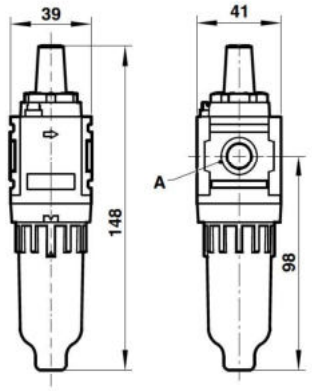
Port size 1/2"



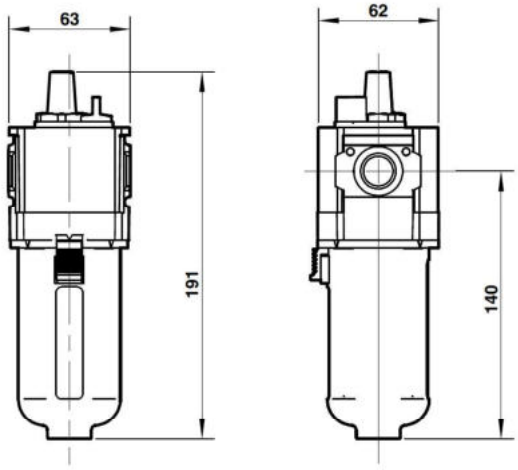
LUBRICATORS
L49C 1/8 … 1/2" (ISO G)

Dimensions

G1/8 & G1/4



G3/8 & G1/2



Port size (A)	Model
G1/8	L49C-1GP-ETN
G1/4	L49C-2GP-ETN
G3/8	L49C-3GP-EWN
G1/2	L49C-4GP-EWN

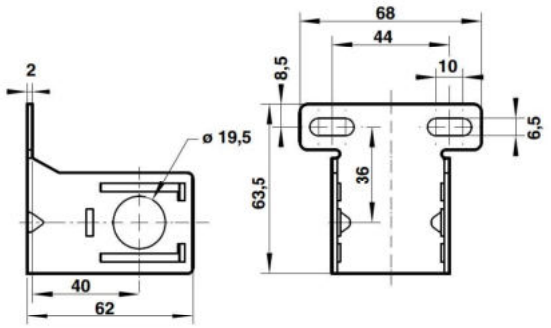
Models

Accessories

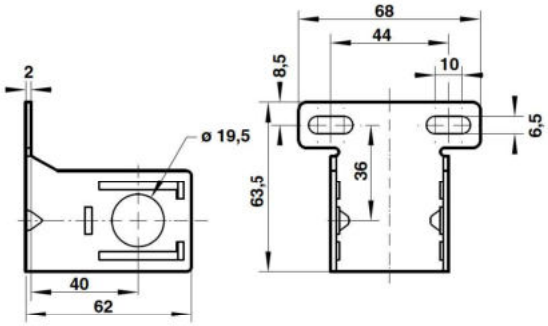
Symbol	Port size	Flow rate (l/s)	Weight (kg)	Bowl	Model without gauge	C Bracket	Lubricator bowl
							
	G1/8	10	0,105	Transparent without guard	L49C-1GP-ETN	49B-021	49B-LB1
	G1/4	15	0,103	Transparent without guard	L49C-2GP-ETN	49B-021	49B-LB1
	G3/8	25	0,319	Transparent with guard	L49C-3GP-EWN	49B-022	49B-LB2
	G1/2	50	0,309	Transparent with guard	L49C-4GP-EWN	49B-022	49B-LB2

Accessories

C Bracket
49B-021



C Bracket
49B-022



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IMI NORGREN

GENERAL PURPOSE FILTERS/REGULATORS

B49G 1/8 … 1/2" (ISO G)

- Predefined options provide ease of ordering
- Flexible configurations
- Integrated gauge reduces mounting time
- Push to lock adjusting knob

Technical Data

Medium:
Compress air only, filtered to better than 40 µm

Maximum operating pressure:
10 bar

Pressure range:
0,5 … 8,5 bar

Flow:
51,7 l/s max., at port size 1/2", 10 bar inlet pressure, pressure set at 6,3 bar and 1 bar pressure drop from set.

Filter element:
5 µm

Bowl capacity:
G1/8 & G1/4: 12 ml
G3/8 & G1/2: 45 ml

Drain type:
Manual, Semi automatic, Automatic

Ambient temperature:
0°C … +60°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Materials

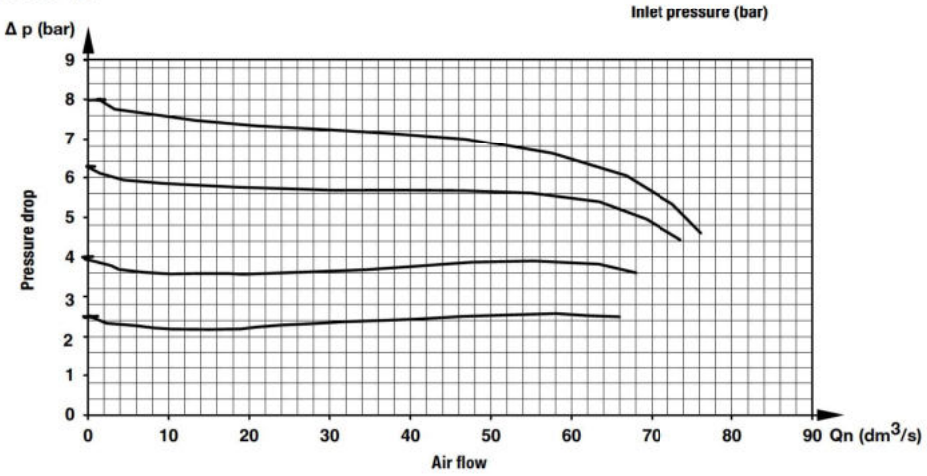
G1/8 & G1/4 Body: Polyamide
G3/8 & G1/2 Body: Die casting Aluminum
Bowl: Transparent PC
Bowl cover: Polyamide
Bonnet: Polyamide
Elastomers: Nitrile
Main valve: Brass

EXPRESS



Flow characteristics

Element 5 µm
Port size 1/2"

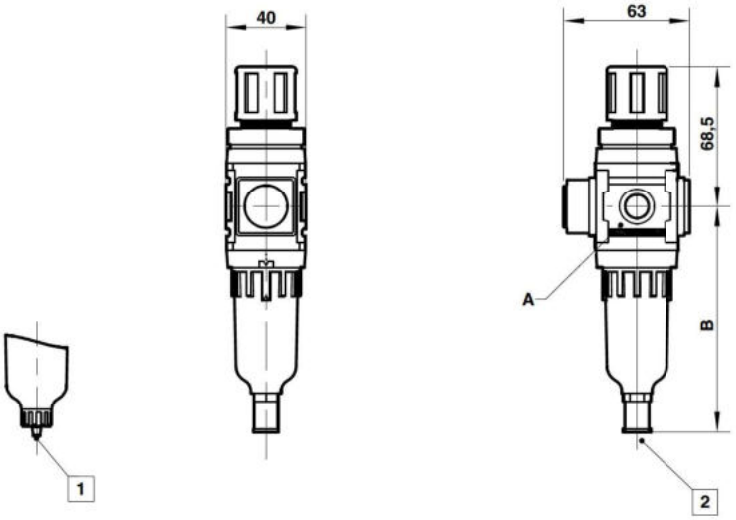


GENERAL PURPOSE FILTERS/REGULATORS

B49G 1/8 … 1/2" (ISO G)

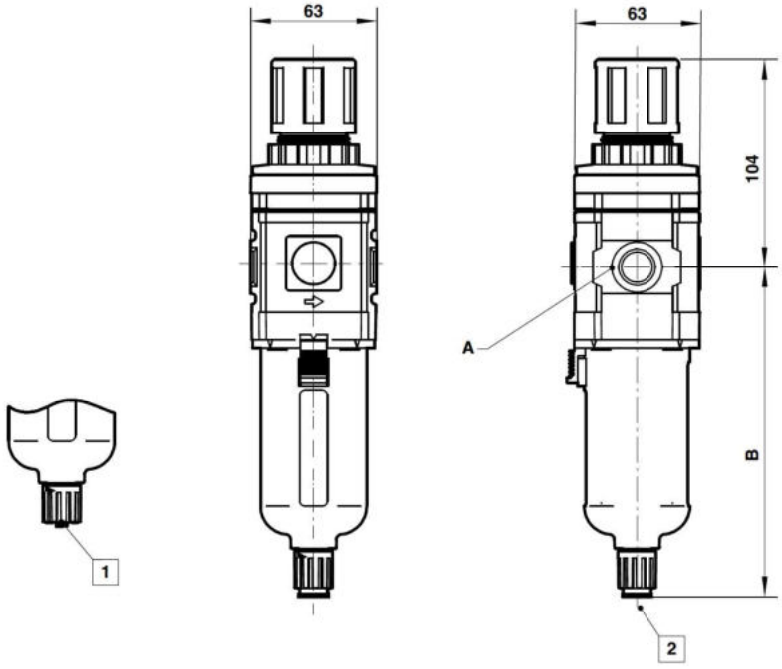
Dimensions

G1/8 & G1/4



[1] Manual drain can insert ID Ø 4 PU tube at drain outlet.
[2] Semi-auto drain can insert OD Ø 6 PU tube at drain outlet.

G3/8 & G1/2



[1] Manual drain or automatic drain can insert ID Ø 5,5 PU tube at drain outlet.
[2] Semi-auto drain can insert OD Ø 8 PU tube at drain outlet.

Port size (A)	B	Model
G1/8	113,5	B49G-1GK-ST1-RMG
G1/8	105,5	B49G-1GK-MT1-RMG
G1/4	113,5	B49G-2GK-ST1-RMG
G1/4	105,5	B49G-2GK-MT1-RMG
G3/8	158	B49G-3GK-SW1-RMG
G3/8	157	B49G-3GK-MW1-RMG
G3/8	157	B49G-3GK-AW1-RMG
G1/2	158	B49G-4GK-SW1-RMG
G1/2	157	B49G-4GK-MW1-RMG
G1/2	157	B49G-4GK-AW1-RMG

GENERAL PURPOSE FILTERS/REGULATORS

B49G 1/8 … 1/2" (ISO G)

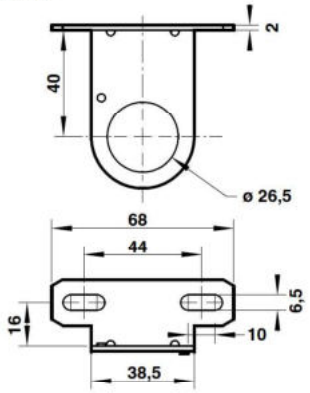
Models

Accessories

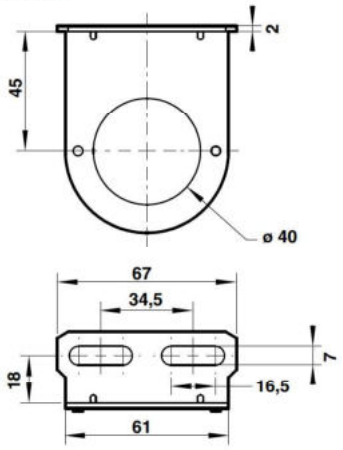
Symbol	Port size	Flow rate (l/s)	Weight (kg)	Bowl	Model Automatic	Semi automatic	Manual	C Bracket	C Bracket	Gauge
										
	G1/8	10	0,20	Transparent without guard	-	B49G-1GK-ST1-RMG	B49G-1GK-MT1-RMG	49B-011	49B-021	49B-GS01
	G1/4	15	0,20	Transparent without guard	-	B49G-2GK-ST1-RMG	B49G-2GK-MT1-RMG	49B-011	49B-021	49B-GS01
	G3/8	25	0,64	Transparent with guard	B49G-3GK-AW1-RMG	B49G-3GK-SW1-RMG	B49G-3GK-MW1-RMG	49B-012	49B-022	49B-GS02
	G1/2	50	0,64	Transparent with guard	B49G-4GK-AW1-RMG	B49G-4GK-SW1-RMG	B49G-4GK-MW1-RMG	49B-012	49B-022	49B-GS02

Accessories

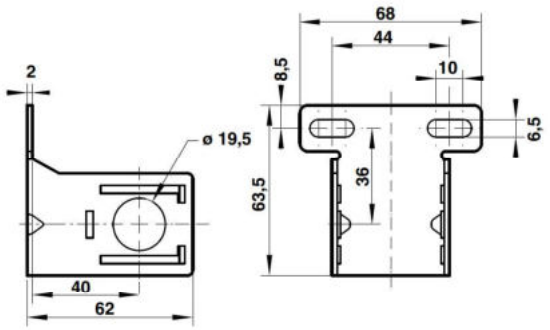
L Bracket
49B-011



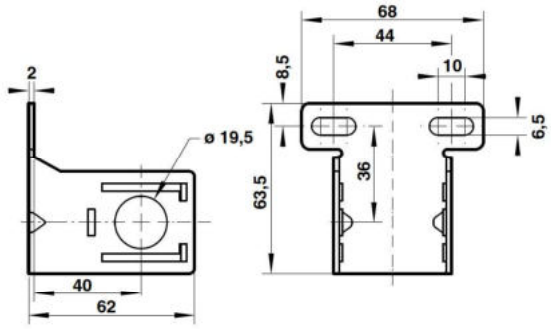
L Bracket
49B-012



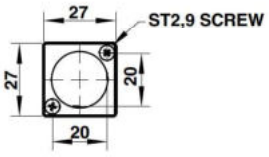
C Bracket
49B-021



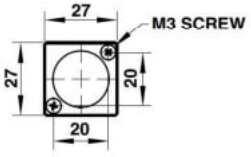
C Bracket
49B-022



Gauge
49B-GS01



Gauge
49B-GS02



Online at www.imi-precision.com

COMBINATION UNITS

C49B 1/8 … 1/2" (ISO G)

- Predefined options provide ease of ordering
- Flexible configurations
- Integrated gauge reduces mounting time
- Push to lock adjusting knob

Technical Data

Medium:
Compress air only

Maximum operating pressure:
10 bar

Pressure range:
0,5 … 8,5 bar

Flow:
50 l/s max., at port size 1/2", 10 bar inlet pressure, pressure set at 6,3 bar and 1 bar pressure drop from set.

Filter element:
5 µm

Bowl capacity:
G1/8 & G1/4: 12 ml (Filter), 20 ml (Regulator)
G3/8 & G1/2: 45 ml (Filter), 85 ml (Regulator)

Drain type:
Manual, Semi automatic, Automatic

Start point*:
1/8" & 1/4": 0,25 l/s
3/8", 1/2": 0,5 l/s
*1) Minimum flow rate for lubricator operation at 5 bar

Ambient temperature:
0°C … +60°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

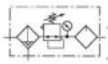
Materials

G1/8 & G1/4 Body: Polyamide
G3/8 & G1/2 Body: Die casting Aluminum
Bowl: Transparent PC
Bowl cover: Polyamide
Bonnet: Polyamide
Elastomers: Nitrile
Main valve: Brass

EXPRESS



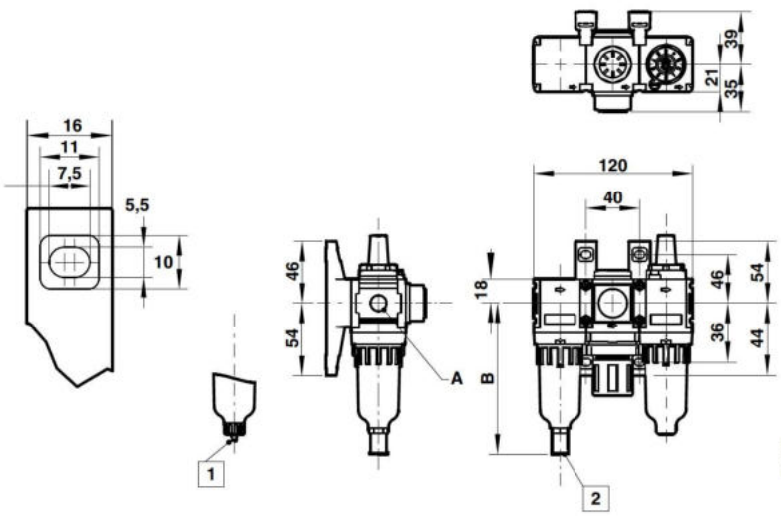
Models

Symbol	Port size	Flow rate (l/s)	Weight (kg)	Bowl	Model Automatic	Semi automatic	Manual	T Bracket	Gauge
									
	G1/8	10	0,40	Transparent without guard	-	C49B-1GK-ST1-RMG-ETB	C49B-1GK-MT1-RMG-ETB	49B-031	49B-GS01
	G1/4	15	0,39	Transparent without guard	-	C49B-2GK-ST1-RMG-ETB	C49B-2GK-MT1-RMG-ETB	49B-031	49B-GS01
	G3/8	25	1,27	Transparent with guard	C49B-3GK-AW1-RMG-EWB	C49B-3GK-SW1-RMG-EWB	C49B-3GK-MW1-RMG-EWB	49B-032	49B-GS02
	G1/2	50	1,24	Transparent with guard	C49B-4GK-AW1-RMG-EWB	C49B-4GK-SW1-RMG-EWB	C49B-4GK-MW1-RMG-EWB	49B-032	49B-GS02

Accessories

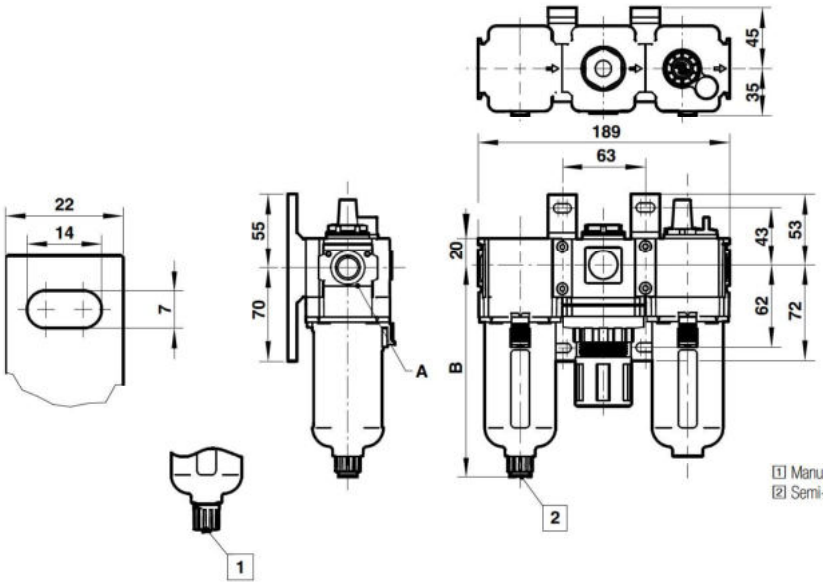
Dimensions

G1/8 & G1/4



[1] Manual drain can insert ID Ø 4 PU tube at drain outlet.
[2] Semi-auto drain can insert OD Ø 6 PU tube at drain outlet.

G3/8 & G1/2



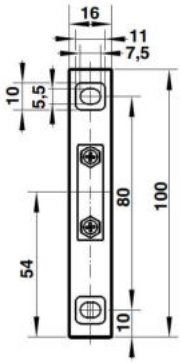
[1] Manual drain or automatic drain can insert ID Ø 5,5 PU tube at drain outlet.
[2] Semi-auto drain can insert OD Ø 8 PU tube at drain outlet.

Port size (A)	B	Model
G1/8	113,5	C49B-1GK-ST1-RMG-ETB
G1/8	105,5	C49B-1GK-MT1-RMG-ETB
G1/4	113,5	C49B-2GK-ST1-RMG-ETB
G1/4	105,5	C49B-2GK-MT1-RMG-ETB
G3/8	158	C49B-3GK-SW1-RMG-EWB
G3/8	157	C49B-3GK-MW1-RMG-EWB
G3/8	157	C49B-3GK-AW1-RMG-EWB
G1/2	158	C49B-4GK-SW1-RMG-EWB
G1/2	157	C49B-4GK-MW1-RMG-EWB
G1/2	157	C49B-4GK-AW1-RMG-EWB

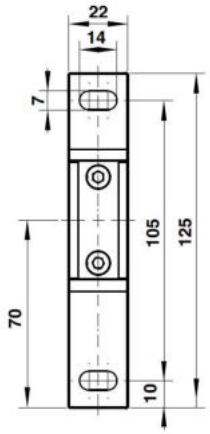
COMBINATION UNITS
C49B 1/8 ... 1/2" (ISO G)

Accessories

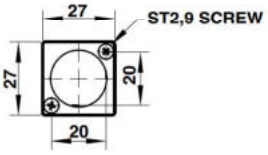
T Bracket
49B-031



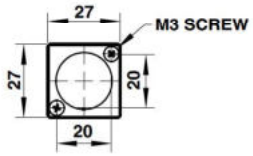
T Bracket
49B-032



Gauge
49B-GS01



Gauge
49B-GS02



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IMI NORGREN

FILTER/REGULATOR - LUBRICATOR COMBINATION UNITS

BL49 1/8 … 1/2" (ISO G)

- Predefined options provide ease of ordering
- Flexible configurations
- Integrated gauge reduces mounting time
- Push to lock adjusting knob

Technical Data

Medium:
Compressed air, filtered to better than 40 µm

Maximum operating pressure:
10 bar

Pressure range:
0,5 … 8,5 bar

Flow:
51,7 l/s max., at port size 1/2", 10 bar inlet pressure, pressure set at 6,3 bar and 1 bar pressure drop from set.

Filter element:
5 µm

Bowl capacity:
G1/8 & G1/4: 12 ml (Filter/Regulator), 20 ml (Lubricator)
G3/8 & G1/2: 45 ml (Filter/Regulator), 85 ml (Lubricator)

B-unit drain:
Manual, Semi automatic, Automatic

Start point*:
1/8" & 1/4": 0,25 l/s
3/8", 1/2": 0,5 l/s
*1) Minimum flow rate for lubricator operation at 5 bar

Lubricator drain:
Closed bottom

Ambient temperature:
0°C … +60°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Materials

G1/8 & G1/4 Body: Polyamide
G3/8 & G1/2 Body: Die casting Aluminum
Bowl: Transparent PC
Bowl cover: Polyamide
Bonnet: Polyamide
Elastomers: Nitrile
Main valve: Brass

EXPRESS





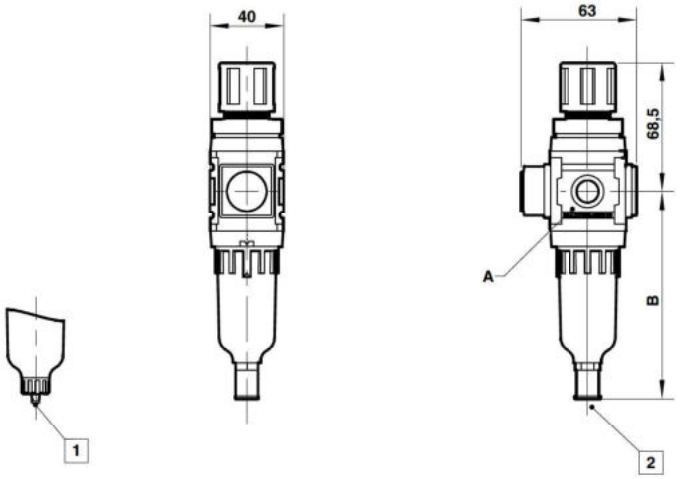
Online at www.imi-precision.com

FILTER/REGULATOR - LUBRICATOR COMBINATION UNITS

BL49 1/8 … 1/2" (ISO G)

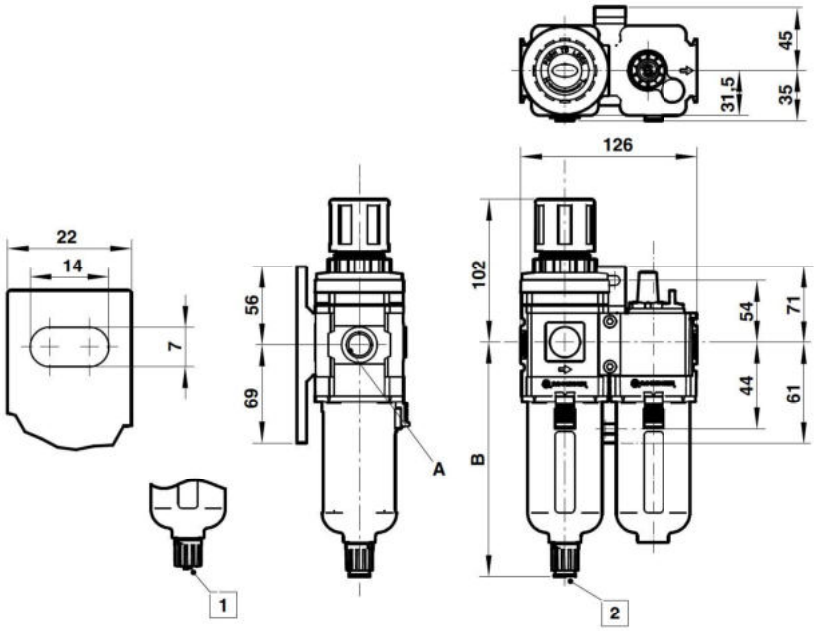
Dimensions

G1/8 & G1/4



[1] Manual drain can insert ID Ø 4 PU tube at drain outlet.
[2] Semi-auto drain can insert OD Ø 6 PU tube at drain outlet.

G3/8 & G1/2



[1] Manual drain or automatic drain can insert ID Ø 5,5 PU tube at drain outlet.
[2] Semi-auto drain can insert OD Ø 8 PU tube at drain outlet.

Port size (A)	B	Model
G1/8	113,5	BL49-14BG
G1/8	105,5	BL49-13BG
G1/4	113,5	BL49-24BG
G1/4	105,5	BL49-23BG
G3/8	158	BL49-34BG
G3/8	157	BL49-33BG
G3/8	157	BL49-31BG
G1/2	158	BL49-44BG
G1/2	157	BL49-43BG
G1/2	157	BL49-41BG

FILTER/REGULATOR - LUBRICATOR COMBINATION UNITS

BL49 1/8 ... 1/2" (ISO G)

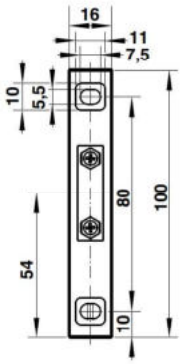
Models

Accessories

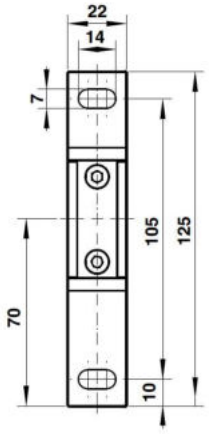
Symbol	Port size	Flow rate (l/s)	Weight (kg)	Bowl	Model Automatic	Semi automatic	Manual	T Bracket	Gauge
									
	G1/8	10	0,33	Transparent without guard	-	BL49-14BG	BL49-13BG	49B-031	49B-GS01
	G1/4	15	0,32	Transparent without guard	-	BL49-24BG	BL49-23BG	49B-031	49B-GS01
	G3/8	25	1,05	Transparent with guard	BL49-31BG	BL49-34BG	BL49-33BG	49B-032	49B-GS02
	G1/2	50	1,03	Transparent with guard	BL49-41BG	BL49-44BG	BL49-43BG	49B-032	49B-GS02

Accessories

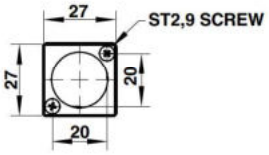
T Bracket
49B-031



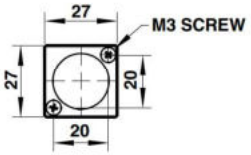
T Bracket
49B-032



Gauge
49B-GS01



Gauge
49B-GS02



Online at www.imi-precision.com

MINIATURE UNITS, GENERAL PURPOSE

Combination filter/regulators and lubricators P1H – G1/8, G1/4

- Combinations of filter-regulators and lubricators can be ordered as pre-assembled units
- Complete control of filtration, regulation and lubrication at a single point
- Micro-fog versions for most general purpose pneumatic applications

Technical Data

Medium:
Compressed air only

Maximum inlet pressure:
10 bar

Ambient temperature:
-20°C … +50°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Pressure range:
0,3 … 10 bar
Note: Outlet pressure can be adjusted in excess of and also less than those listed

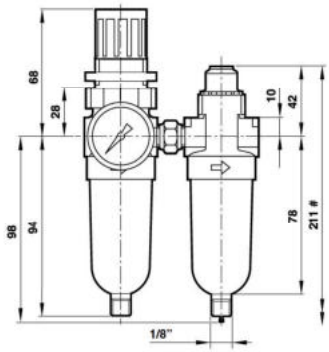
Materials

Body: Zinc alloy
Bonnet: Acetal (Regulator)
Knob: Acetal
Bowl: Plastic or Zinc alloy
Filter element: Sintered PE
Valve: Brass
Sight dome: PA
Seals: NBR

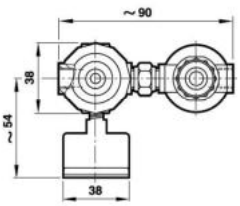
EXPRESS



Dimensions



Minimum clearance required to remove bowl



Options

- Integral mounting bracket
- Alternative outlet ranges
- Alternative bowls
- Alternative element sizes

Models

Accessories

Service Kit

P1H series			Accessories		Service Kit	
Auto drain Model	Manual drain Model	Port size	Neck mounting bracket and nut	Gauge 0 … 10 bar	Auto drain	Manual drain
						
P1H-100-A3QG	P1H-100-M3QG	G1/8	18-025-003	18-015-989	B07-KITA40R & L07-KIT	B07-KITM40R & L07-KIT
P1H-200-A3QG	P1H-200-M3QG	G1/4	18-025-003	18-015-989	B07-KITA40R & L07-KIT	B07-KITM40R & L07-KIT

* Typical flow with 10 bar inlet pressure and 1 bar droop from set pressure of 6,3 bar.

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IMI NORGREN

MINIATURE UNITS, GENERAL PURPOSE

Filter F07 – G1/8, G1/4

- Direct ported filters with high water removal efficiency
- Automatic drains supplied as standard
- High flow miniature unit
- Transparent bowl for 360° visibility

Technical Data

Medium:
Compressed air only

Maximum inlet pressure:
10 bar

Ambient temperature:
-34°C … +50°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Materials

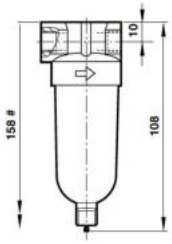
Body: Zinc alloy
Bowl: Plastic or Zinc alloy
Filter element: PE
Elastomers: NBR

EXPRESS

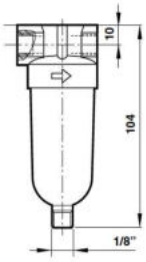


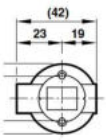
Dimensions

Manual drain



Auto drain





Minimum clearance required to remove bowl

Options

- Alternative thread forms
- Metal bowl

Models

Accessories

Service Kit

F07 series							
Auto drain Model	Manual drain Model	Port size	Flow* (dm^3/s)	Element (µm)	Wall mounting bracket	Auto drain	Manual drain
							
F07-100-A3TG	F07-100-M3TG	G1/8	9	40	5939-06	F07-KITA40	F07-KITM40
F07-200-A3TG	F07-200-M3TG	G1/4	11,5	40	5939-06	F07-KITA40	F07-KITM40
F07-100-A1TG	F07-100-M1TG	G1/8	9	5	5939-06	F07-KITA05	F07-KITM05
F07-200-A1TG	F07-200-M1TG	G1/4	11,5	5	5939-06	F07-KITA05	F07-KITM05

* Typical flow with 6,3 bar inlet pressure and 0,5 bar pressure drop.

MINIATURE UNITS, PURAIRE® OIL REMOVAL

Filter F39 – G1/8, G1/4

- Very compact unit
- Maximum remaining oil content and particle removal to 0,01µm

Technical Data

Medium:
Compressed air only

Maximum inlet pressure:
10 bar Transparent bowl

Filter element:
0,01 µm

Remaining oil content:
0,01 ppm at +21°C

Bowl size:
31 ml

Drain:
Manual or automatic

Ambient/Media temperature:
Transparent bowl -34°C … +50°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C
Note: Install an F07 filter with a 5 µm filter element upstream of the F39 filter for maximum service life.

Materials

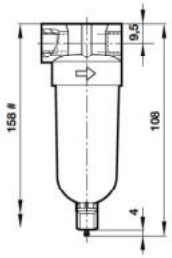
Body: Zinc alloy
Bowl: Plastic
Element: Synthetic fiber and PE foam
Seals: NBR

EXPRESS

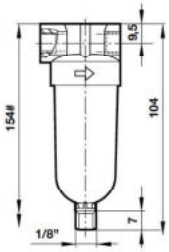


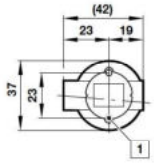
Dimensions

Manual drain



Auto drain





Minimum clearance required to remove bowl

Typical performance characteristics

Inlet pressure (bar)	Flow* (dm³/s)
1	1,2
3	2
5	2,7
6,3	3
7	3,1
9	3,6

* Maximum flow to maintain stated oil removal performance.

Models

Accessories

Service Kit

F39 series Auto drain Model	Port size	Flow* (dm³/s)	Drain	Bowl	Wall mounting bracket	Automatic drain
						
F39-100-M0TG	G1/8	2,8	Manual	Plastic	5939-06	F39-KIT0C
F39-200-M0TG	G1/4	3	Manual	Plastic	5939-06	F39-KIT0C
F39-100-A0TG	G1/8	2,8	Automatic	Plastic	5939-06	F39-KIT0C
F39-200-A0TG	G1/4	3	Automatic	Plastic	5939-06	F39-KIT0C

* Max. flow at 6,3 bar.

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IMI NORGREN

MINIATURE UNITS, GENERAL PURPOSE

Pressure regulator R07 – G1/8, G1/4

- Ported regulators for general purpose pneumatic applications
- Relieving operation as standard
- Non-rising adjusting knob with snap-action lock

Technical Data

Medium:
Compressed air only

Maximum inlet pressure:
20 bar

Gauge ports:
Rc1/8

Ambient temperature:
-34°C … +65°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Pressure range:
0,3 … 7 bar
0,5 … 10 bar
Note: Outlet pressure can be adjusted in excess of and also less than those listed

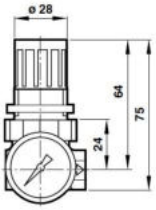
Materials

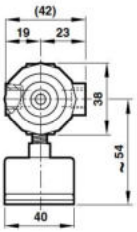
Body: Zinc alloy
Bonnet & Knob: Acetal
Valve: Brass
Seals: NBR

EXPRESS



Dimensions





Options

- Alternative thread forms
- Alternative outlet ranges
- Non releieving option

Models

Accessories

Service Kit

R07 series Model	Port size	Outlet pressure range (bar)	Flow* (dm^3/s)	Neck mounting bracket (incl. nut)	Mounting nut only plastic	Mounting nut only metal	Gauge 0 … 10 bar	
								
R07-100-RNKG	G1/8	0,3 … 7	6,5	18-025-003	2962-89	2962-04	18-015-989	R07-KITR
R07-200-RNKG	G1/4	0,3 … 7	6,5	18-025-003	2962-89	2962-04	18-015-989	R07-KITR
R07-105-RNMG	G1/8	0,5 … 10	7	18-025-003	2962-89	2962-04	18-015-989	R07-KITR
R07-205-RNMG	G1/4	0,5 … 10	7	18-025-003	2962-89	2962-04	18-015-989	R07-KITR

* Typical flow with 10 bar inlet pressure and 1 bar droop from set pressure of 6,3 bar.

MINIATURE UNITS, GENERAL PURPOSE

Filter regulator B07 – G1/8, G1/4

- Filter-regulators for all general purpose pneumatic applications
- High performance design provides high flow with minimum pressure drop
- Non-rising adjusting knob has snap-action lock
- Transparent bowl for 360° visibility

Technical Data

Medium:
Compressed air only

Maximum inlet pressure:
10 bar

Gauge ports:
Rc1/8

Pressure range:
0,3 … 7 bar
0,3 … 10 bar
Note: Outlet pressure can be adjusted in excess of and also less than those listed

Ambient temperature:
Transparent bowl: -34°C … +50°C
Metal bowl: -34°C … +65°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Materials

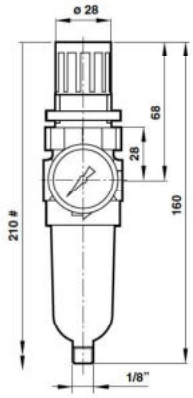
Body: Zinc alloy
Bonnet: Acetal
Bowl: Plastic or zinc alloy
Filter element: Sintered PE
Seals: NBR

EXPRESS



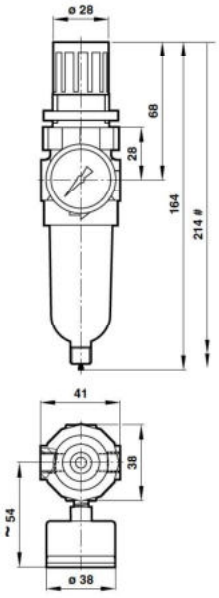
Dimensions

Auto drain



Minimum clearance required to remove bowl

Manual drain



Options

- Alternative thread form
- Outlet pressure ranges
- Non-relieving

Models

Accessories

Service Kit

B07 series							Wall mounting bracket (incl. nut)	Mounting nut only plastic	Mounting nut only metal	Gauge 0 … 10 bar	Auto drain	Manual drain
Auto drain Model	Manual drain Model	Port size	Pressure range (bar)	Flow* (dm³/s)	Element (µm)	Bowl						
												
B07-101-A3KG	B07-101-M3KG	G1/8	0,3 … 7	6,2	40	T	18-025-003	2962-89	2962-04	18-015-989	B07-KITA40R	B07-KITM40R
B07-201-A3KG	B07-201-M3KG	G1/4	0,3 … 7	6,5	40	T	18-025-003	2962-89	2962-04	18-015-989	B07-KITA40R	B07-KITM40R
B07-205-A3MG	B07-205-M3MG	G1/4	0,3 … 10	6,5	40	M	18-025-003	2962-89	2962-04	18-015-989	B07-KITA40R	B07-KITM40R
B07-101-A1KG	B07-101-M1KG	G1/8	0,3 … 7	6,2	5	T	18-025-003	2962-89	2962-04	18-015-989	B07-KITA05R	B07-KITM05R
B07-201-A1KG	B07-201-M1KG	G1/4	0,3 … 7	6,5	5	T	18-025-003	2962-89	2962-04	18-015-989	B07-KITA05R	B07-KITM05R
B07-205-A1MG	B07-205-M1MG	G1/4	0,3 … 10	6,5	5	M	18-025-003	2962-89	2962-04	18-015-989	B07-KITA05R	B07-KITM05R

* Typical flow with 10 bar inlet pressure and 1 bar droop from set pressure of 6,3 bar. T= Transparent blow, M= Metal blow.

IMI Precision Engineering

For further information, visit: www.imi-precision.com and use the new improved search function. If you cannot see the option you require please contact us.

IMI NORGREN

MINIATURE UNITS, GENERAL PURPOSE

Lubricators L07 – G1/8, G1/4

- Micro-fog lubricators provide a fine mist for most general purpose pneumatic applications
- Transparent bowl for 360° visibility

Technical Data

Medium:
Compressed air only

Maximum inlet pressure:
10 bar

Start point:
0,24 dm^3/s
Minimum flow required for lubricator operation at 6,3 bar inlet pressure

Ambient temperature:
-20°C … +50°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

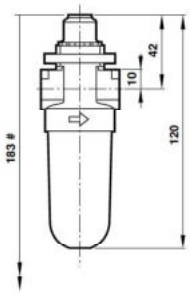
Materials

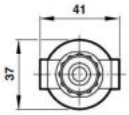
Body: Zinc alloy
Bowl: PC or Zinc alloy
Sight-feed dome: PA
Elastomers: NBR

EXPRESS



Dimensions





Minimum clearance required to remove bowl

Options

- Alternative thread forms
- Metal bowl
- Bowl with drain

Models

Accessories

Service Kit

L07 series Model	Port size	Flow* (dm^3/s)	Neck mounting bracket and nut	
				
L07-100-MPQG	G1/8	5	18-025-003	L07-KIT
L07-200-MPQG	G1/4	6,7	18-025-003	L07-KIT

* Typical flow with 6,3 bar inlet pressure and 0,5 bar pressure drop.

Online at www.imi-precision.com

MINIATURE UNITS, GENERAL PURPOSE

Pressure relief valve – Diaphragm type V07 – G1/8, G1/4

- **Protect compressed air systems from over-pressurisation**

IMI Precision Engineering pressure relief valves comply with category 0(S.E.P.) and category 1 of the Pressure Equipment Directive 97/23/EC.

Technical Data

Medium:
Compressed air only

Gauge ports:
Rc1/8

Relief port:
As inlet port

Ambient temperature:
-34°C … +65°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Relief pressure adjustment range:
0,3 … 7 bar

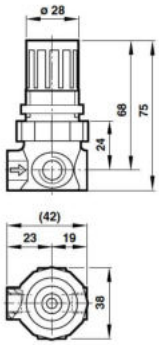
Materials

Bonnet: Acetal
Body: Zinc alloy
Knob: Acetal
Valve: Brass
Seals: NBR

EXPRESS



Dimensions



Options

- Alternative thread form
- Alterative outlet ranges

Models

V07 series Model	Port size	Neck mounting bracket and nut	Gauge 0 … 10 bar	Service Kit
				
V07-100-NNKG	G1/8	18-025-003	18-015-989	V07-KIT
V07-200-NNKG	G1/4	18-025-003	18-015-989	V07-KIT

Online at www.imi-precision.com

LARGE CAPACITY GENERAL PURPOSE UNITS

General purpose filters F17 – 3/4" … 1 1/2" (ISO G, PTF)

- Direct ported filters with high water removal efficiency
- Manual drain available
- High flow with minimal pressure drop

Technical Data

Medium:
Compressed air only

Maximum operating pressure:
17 bar

Particle removal:
40 µm standard; 5 µm optional

Bowl size:
0,5 or 1 l

Ambient/Media temperature:
-20°C … +80°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Materials

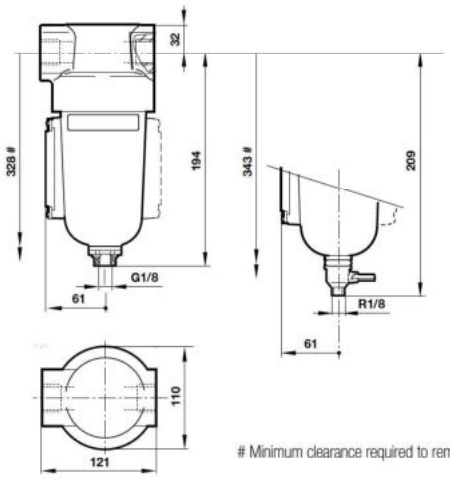
Body & bowl: Aluminum
Bowl sight glass: Pyrex
Filter element: Sintered bronze
Elastomers: CR & NBR



Dimensions

0,5 l

Auto drain



Manual drain

Minimum clearance required to remove bowl

Options

- Filter element: 5 µm
- Bowl: 1l with or without sight glass

Models

Accessories

Service Kit

F17 Model	Port size	Filter element (µm)	Flow* (dm³/s)	Drain	Bowl	Wall mounting bracket	Service kit '0'-rings and gaskets	Replacement elements
								
F17-600-M3HG	G3/4	40 µm	183	Manual	0,5 l with sight glass	6212-50	F17-100A	5311-03
F17-800-M3HG	G1	40 µm	236	Manual	0,5 l with sight glass	6212-50	F17-100A	5311-03
F17-A00-M3HG	G1 1/4	40 µm	236	Manual	0,5 l with sight glass	6212-51	F17-100A	5311-03
F17-600-A3HG	G3/4	40 µm	183	Automatic	0,5 l with sight glass	6212-50	F17-100A	5311-03
F17-800-A3HG	G1	40 µm	236	Automatic	0,5 l with sight glass	6212-50	F17-100A	5311-03
F17-A00-A3HG	G1 1/4	40 µm	236	Automatic	0,5 l with sight glass	6212-51	F17-100A	5311-03

* Typical flow with a 40 µm element at 6,3 bar inlet pressure and 0,5 bar pressure drop.

LARGE CAPACITY GENERAL PURPOSE UNITS

General purpose filters F18 – G1 1/2 & 2

- Direct ported filter with high water removal efficiency
- High flow with minimal pressure drop
- Highly visible prismatic liquid level indicator lens

Technical Data

Medium:
Compressed air only

Maximum pressure:
17 bar

Ambient temperature:
-34°C … +80°C

Particle removal:
5 or 40 µm

Materials

Body, Intermediate body & Bowl: Aluminum
Liquid level indicator: Transparent nylon
Filter element: Sintered bronze
Elastomers: NBR

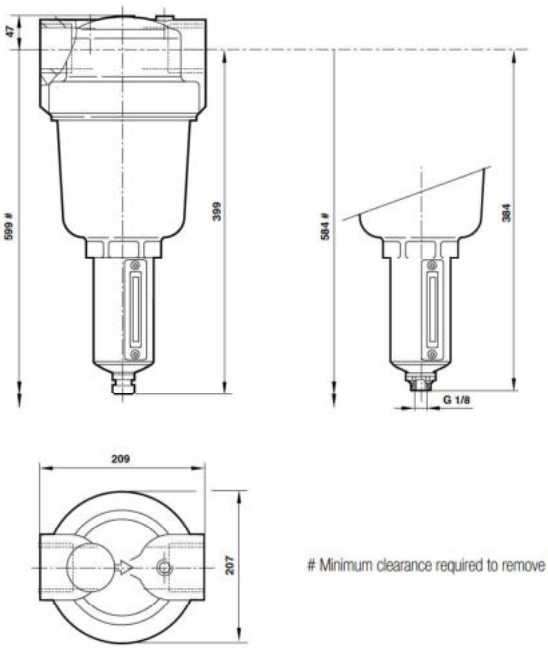
EXPRESS



Dimensions

Manual drain

Auto drain



Minimum clearance required to remove bowl

Options

- Alternative thread form

Models

Service Kit

F18 - Model Auto drain	Manual drain	Port size	Flow* (dm³/s)	Element Size	Bowl	
						
F18-B00-A1DG	F18-B00-M1DG	G1 1/2	765	5 µm	Metal	F18-100A(5)
F18-B00-A3DG	F18-B00-M3DG	G1 1/2	765	40 µm	Metal	F18-100A
F18-C00-A1DG	F18-C00-M1DG	G2	765	5 µm	Metal	F18-100A(5)
F18-C00-A3DG	F18-C00-M3DG	G2	765	40 µm	Metal	F18-100A

LARGE CAPACITY UNITS

Oil removal filters F47 – 1 1/2" & 2" (ISO G, PTF)

- High efficiency oil and particle removal
- Standard service life indicator turns from green to red when the filter element needs to be replaced

Technical Data

Medium:
Compressed air only

Maximum pressure:
17 bar

Particle removal:
0,01 µm

Remaining oil content:
0,01mg/m³ maximum

Ambient/Media temperature:
-34°C … +80°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Materials

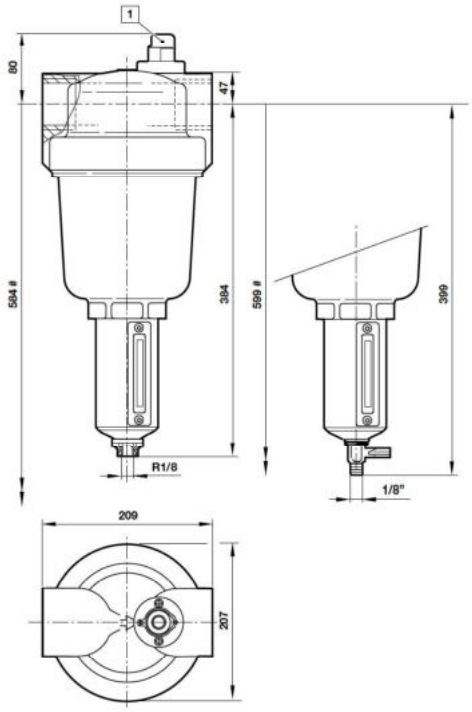
Body, Intermediate body & Bowl: Aluminum
Liquid level indicator: Transparent PA
Element: Synthetic fiber & PU foam
Elastomers: CR & NBR

Service life indicator:
Body: Transparent PA
Internal parts: Acetal
Spring: Stainless steel
Elastomers: NBR

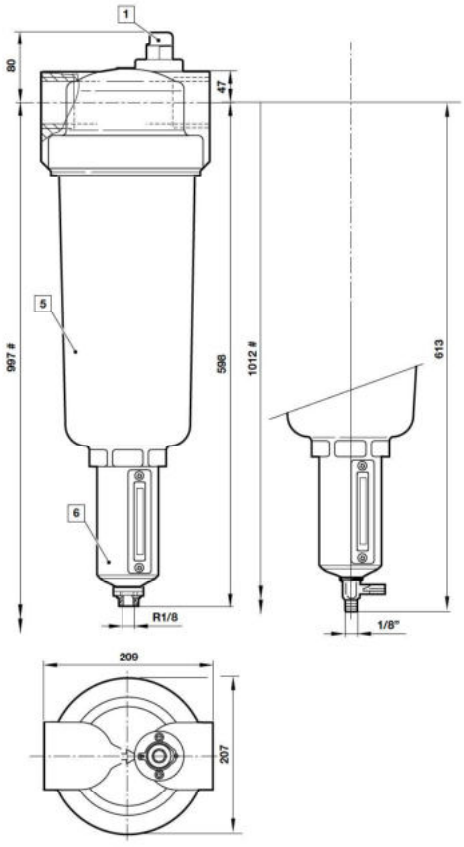


Dimensions

Standard flow element



High flow element



Min clearance required to remove intermediate body and bowl
[1] Services indicator

Models

F47 Model	Port size	Flow* (dm³/s)	Drain	Bowl
				
F47-B01-A0DG	G1 1/2	118 (standard flow)	Automatic	Metal
F47-C01-A0DG	G 2	156 (standard flow)	Automatic	Metal
F47-C21-A0DG	G 2	284 (high flow)	Automatic	Metal (long)

* Maximum flow with 6,3 bar inlet pressure to maintain stated oil removal performance.

Options

- High flow
- Manual drain

LARGE CAPACITY PILOT OPERATED REGULATORS

11-808, R18, 11-400/11-204 – G1/4 … G2

- Can be installed at any point in the compressed air system without regard to accessibility – pilot regulator can be installed in the most convenient location
- Can be used wth conventional or feedback pilot regulator
- Feedback pilot regulator senses downstream pressure and automatically adjusts pilot operated regulator outlet pressure

Technical Data

Medium:
Compressed air only

Maximum inlet pressure:
11-808, 11-204: 20 bar
11-400: 25 bar
R18: 31 bar

Ambient temperature:
-20°C … +80°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Materials

11-808:
Body: Zinc
Bonnet: Aluminium
Valve: Brass
Elastomers: NBR

R18:
Body & Bonnet: Aluminum alloy
Bottom plug: Acetal
Valve: Aluminum & PA
Elastomers: NBR

11-808



R18 remote pilot

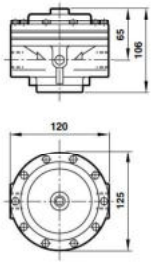


R18 integral pilot

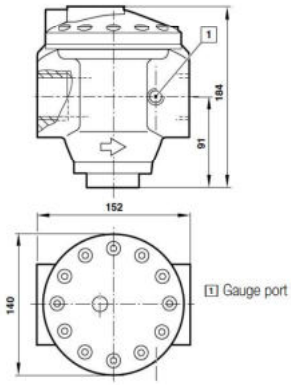


Dimensions

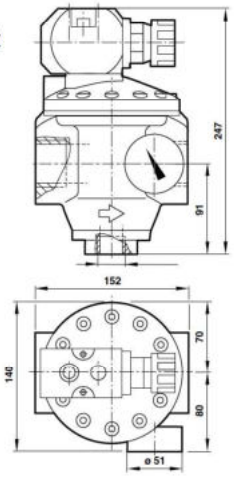
11-808



R18 remote pilot



R18 integral pilot



Models

R18 remote pilot Model	Port size	Flow* (dm³/s)	Pressure range (bar)	Operation	Adjustment method	Exhaust silencer	Gauge adaptor	Gauge** 0 … 25 bar	Service Kit
									
R18-B00-RNXG	G1 1/2	944	0,16 … 17	Relieving	Remote pilot	MB006B	150232818	18-015-014	R18-100R
R18-C00-RNXG	G2	944	0,16 … 17	Relieving	Remote pilot	MB006B	150232818	18-015-014	R18-100R

R18 integral pilot Model	Port size	Flow* (dm³/s)	Pressure range (bar)	Operation	Adjustment method	Exhaust silencer	Gauge adaptor	Gauge** 0 … 10 bar	Service Kit
									
R18-B05-RNLG	G1 1/2	944	0,3 … 8,5	Relieving	Integral pilot	MB006B	150232818	18-015-013	R18-100R & 5945-41
R18-C05-RNLG	G2	944	0,3 … 8,5	Relieving	Integral pilot	MB006B	150232818	18-015-013	R18-100R & 5945-41

* Max. flow with 7 bar inlet pressure. 6,3 bar outlet pressure and a droop of 1 bar from set.
Alternative models available – contact IMI Precision Engineering technical service.

11-808 series Model	Port size	Flow* (dm³/s)	Pressure range (bar)	Operation	Adjustment method	Wall mounting bracket	Gauge** 0 … 25 bar	Service Kit
								
11-808-960	G3/4	180	20 Max.	Relieving	Remote pilot	18-001-027	18-015-014	11-908-100
11-808-980	G1	180	20 Max.	Relieving	Remote pilot	18-001-027	18-015-014	11-908-100

* Max. flow with 8 bar inlet pressure, 6,3 bar outlet pressure and a droop of 1 bar from set.
** Alternative gauges available see page 607.

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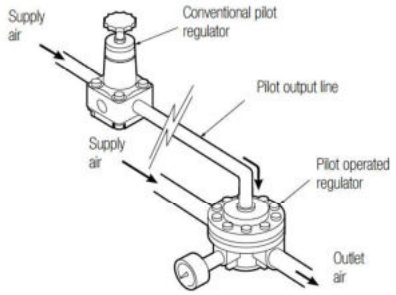
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PILOT OPERATED REGULATORS

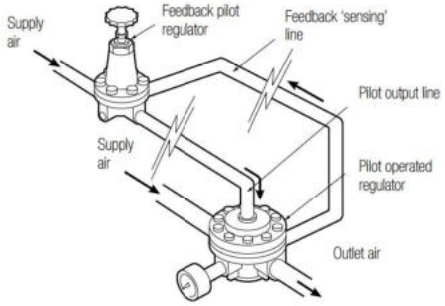
11-808, R18, 11-400/11-204 – G1/4 … G2

11-400/11-204

Conventional pilot



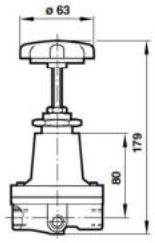
Feedback pilot

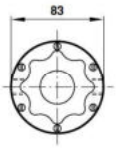




Feedback pilot regulators give more sensitive control and quicker reaction to downstream pressure changes
Feedback 'sensing' line to be kept to miniumum length (<200mm)

Dimensions





Model – Conventional pilot regulators

Accessories

Service Kit

11-400, 20AL series					Bracket	Gauge	
Model	**Port size**	**Pressure range (bar)**	**Operation**	**Mounting**			
							
11400-2G-PC100	G1/4	0,06 … 2	Relieving	Bracket	18-001-005	18-015-010	11400-100-20AL
11400-2G-PE100	G1/4	0,06 … 4	Relieving	Bracket	18-001-005	18-015-011	11400-100-20AL
11400-2G-PG100	G1/4	0,16 … 7	Relieving	Bracket	18-001-005	18-015-012	11400-100-20AL
20AL-X2G-PK100	G1/4	7 … 20	Relieving	Bracket	18-001-005	18-015-014	11400-100-20AL

Model – Feedback pilot regulators

Accessories

Service Kit

11-204 series					Bracket	Gauge	
Model	**Port size**	**Pressure range (bar)**	**Operation**	**Mounting**			
							
11-204-004	G1/4	0.16 … 7	Relieving	Panel/Bracket	18-001-005	18-015-012	11-204-100
11-204-006	G1/4	4 … 17	Relieving	Panel/Bracket	18-001-005	18-015-014	11-204-100

LARGE CAPACITY UNITS

Micro-fog and oil-fog lubricators L17 – 3/4" … 1 1/2" (ISO G/PTF)

- Micro-fog lubricators provide a fine mist for most general purpose pneumatic applications
- Oil-fog lubricators for heavy duty lubrication
- Can be serviced without the use of tools or removal from the air line

Technical Data

Medium:
Compressed air only

Maximum operating pressure:
17 bar

Start point (minimum flow required for lubricator operation):
3,8 dm^3/s at 6,3 bar inlet pressure

Bowl size:
0,5 or 1 l

Ambient/Media temperature:
-20°C … +80°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

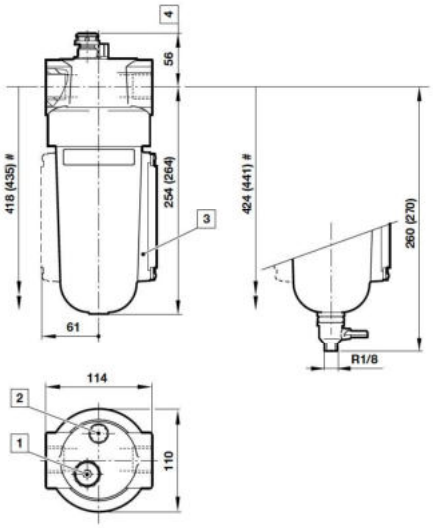
Materials

Body and bowl: Aluminium alloy
Sight feed dome: Transparent PA
Elastomers: CR & NBR



Dimensions

0,5 & 1 l



Min clearance required to remove bowl
Values in ( ) for 1" version
[1] Oil adjustable screw
[2] Oil fill plug
[3] Sight-feed dome
[4] Standard dome: 56 mm, Pyrex dome: 69 mm

Options

- Alternative thread form
- Bowl: 1 l

Models

L17 Model	Port size	Flow* (dm^3/s)	Lubricator type	Bowl	Accessories: Wall mounting bracket	Service Kit
						
L17-600-MP9G	G3/4	76	Micro-fog	0,5 l with sight glass	6212-50	5771-02
L17-800-MP9G	G1	130	Micro-fog	0,5 l with sight glass	6212-50	5771-02
L17-A00-MP9G	G1 1/4	130	Micro-fog	0,5 l with sight glass	6212-51	5771-02
L17-B00-MP9G	G1 1/2	130	Micro-fog	0,5 l with sight glass	6212-51	5771-02
L17-600-OP9G	G3/4	76	Oil-fog	0,5 l with sight glass	6212-50	5771-02
L17-800-OP9G	G1	130	Oil-fog	0,5 l with sight glass	6212-50	5771-02
L17-A00-OP9G	G1 1/4	130	Oil-fog	0,5 l with sight glass	6212-51	5771-02
L17-B00-OP9G	G1 1/2	130	Oil-fog	0,5 l with sight glass	6212-51	5771-02

* Typical flow with 6,3 bar inlet pressure and 0,5 bar pressure drop.

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IMI Precision Engineering

MINIATURE PRE-SET REGULATOR

R16 G1/4"

- Factory pre-set and sealed to give a regulated pressure of 2 bar
- Tamper resistant
- Compact

Technical Data

Medium:
Compressed air only

Maximum pressure:
28 bar

Ambient temperature:
-20°C … +80°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Typical Setting Accuracy of Regulator with 7 bar inlet pressure and zero flow:
2 bar (+0,07 bar, - 0,2 bar)

Gauge ports:
Rc 1/8

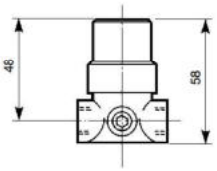
Materials

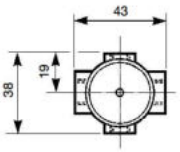
Body: Zinc alloy
Bonnet: Aluminium alloy

EXPRESS



Dimensions





Models

Model	Port size	Pre-set pressure
R16-200-R30G	G1/4	2 bar

Options

- Other pre-set ranges

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SPECIAL PURPOSE

High flow pressure regulator 20AG – G1/2 … G1

- Ported regulators for general purpose pneumatic applications
- Relieving operation as standard, optional non-relieving
- Large diaphragm provides accurate and quick response to changing flow demands and line pressure

Technical Data

Medium:
Compressed air only

Maximum inlet pressure:
28 bar

Gauge ports:
G1/8

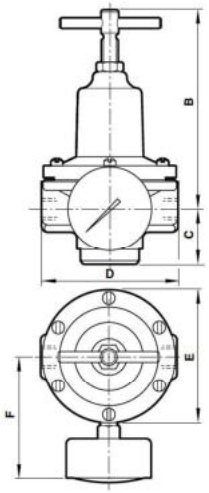
Ambient temperature:
-20°C … +80°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Materials

Body: Zinc alloy
Bonnet: Aluminium alloy
Bottom plug: Glass filled nylon for G1/2, aluminium for G3/4 and G1
Adjusting screw: Steel-plated
Elastomers: Synthetic rubber



Dimensions



Series	B (max.)	C	D	ØE	F
20AG-X4G	126	36	86	83	125
20AG-X6G	192	41	124	124	160
20AG-X8G	192	41	124	124	160

Options

- Alternative thread form
- Non-relieving operation

Models

Accessories

Service Kit

20AG series Model	Port size	Pressure range (bar)	Flow* (dm³/s)	Operation	Adjustment	Mounting	Bracket	Gauge	
									
20AG-X4G-PD100	G1/2	0,1 … 3,5	60	Relieving	T Bar	Bracket	18-001-005	18-015-011	20AG-X4-100
20AG-X4G-PH100	G1/2	0,2 … 8,0	60	Relieving	T Bar	Bracket	18-001-005	18-015-013	20AG-X4-100
20AG-X4G-PH102	G1/2	0,2 … 8,0	60	Relieving	Plastic Knob	Bracket	18-001-005	18-015-013	20AG-X4-100
20AG-X4G-PH103	G1/2	0,2 … 8,0	60	Relieving	T Bar	Panel Mounting	–	18-015-013	20AG-X4-100
20AG-X4G-PJ100	G1/2	7 … 16	60	Relieving	T Bar	Bracket	18-001-005	18-015-014	20AG-X4-100
20AG-X4G-PJ103	G1/2	7 … 16	60	Relieving	T Bar	Panel Mounting	–	18-015-014	20AG-X4-100
20AG-X6G-PD100	G3/4	0,1 … 3,5	80	Relieving	T Bar	Bracket	18-001-029	18-015-011	20AG-X8-100
20AG-X6G-PH100	G3/4	0,2 … 8,0	80	Relieving	T Bar	Bracket	18-001-029	18-015-013	20AG-X8-100
20AG-X8G-PD100	G1	0,1 … 3,5	100	Relieving	T Bar	Bracket	18-001-029	18-015-011	20AG-X8-100
20AG-X8G-PH100	G1	0,2 … 8,0	100	Relieving	T Bar	Bracket	18-001-029	18-015-013	20AG-X8-100
20AG-X8G-PH102	G1	0,2 … 8,0	100	Relieving	Plastic Knob	Bracket	18-001-029	18-015-013	20AG-X8-100

* Typical flow with 7 bar inlet pressure and 1 bar droop from set pressure of 4 bar.

SPECIAL PURPOSE 'MICRO TROL'

High flow, high relief pressure regulator R24 – G1/4 … G1 1/4

- Exceptionally high flow and relief flow characteristics
- Easy to adjust even at high output pressures
- Balanced valve minimises effect of variations in inlet pressure on outlet pressure
- Panel mounted facility

Technical Data

Medium:
Compressed air only

Maximum inlet pressure:
20 bar

Ambient temperature:
0°C … +80°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Materials

Body & Bonnet: Zinc alloy
Bottom plug & Adjusting knob (manual): Acetal resin
Main valve: Brass/Synthetic rubber
Elastomers: Synthetic rubber

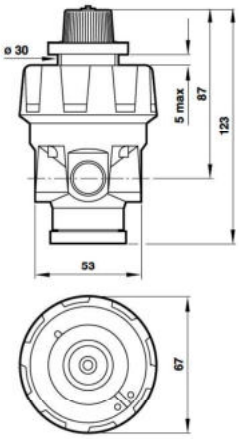




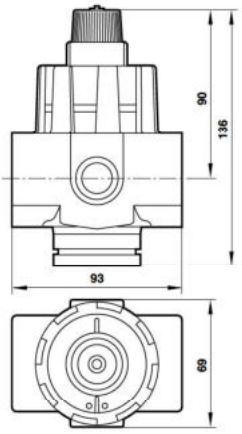
Dimensions

Manual

1/4" … 1/2"

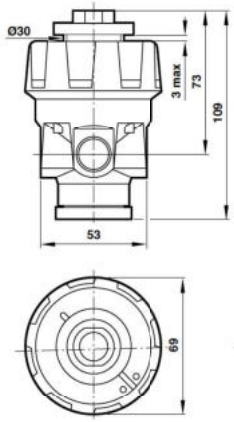


3/4" … 1 1/4"

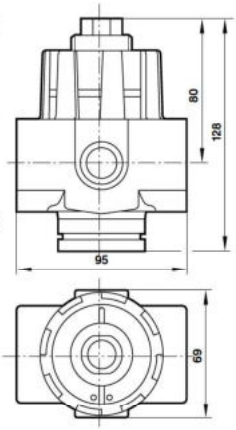


Air Pilot

1/4" … 1/2"



3/4" … 1 1/4"



Options

- Alternative thread form
- Alternative outlet pressure range

Models

Accessories

Service Kit

R24 series Model	Port size	Pressure range (bar)	Operation	Adjustment method	Neck mounting bracket	Gauge adaptor*	Gauge	
								
R24-200-RNLG	G1/4	0,7 … 8	Relieving	Manual - Knob	18-999-412	150232818	18-015-013	5292-52
R24-200-RNSG	G1/4	0,7 … 17	Relieving	Manual - Knob	18-999-412	150232818	18-015-014	5292-52
R24-201-RNXG	G1/4	None	Relieving	Air Pilot	18-999-412	150232818	18-015-014	5292-54
R24-300-RNLG	G3/8	0,7 … 8	Relieving	Manual - Knob	18-999-412	150233818	18-015-013	5292-52
R24-300-RNSG	G3/8	0,7 … 17	Relieving	Manual - Knob	18-999-412	150233818	18-015-014	5292-52
R24-301-RNXG	G3/8	None	Relieving	Air Pilot	18-999-412	150233818	18-015-014	5292-54
R24-400-RNLG	G1/2	0,7 … 8	Relieving	Manual - Knob	18-999-412	150234818	18-015-013	5292-52
R24-400-RNSG	G1/2	0,7 … 17	Relieving	Manual - Knob	18-999-412	150234818	18-015-014	5292-52
R24-401-RNXG	G1/2	None	Relieving	Air Pilot	18-999-412	150234818	-18-015-014	5292-54
R24-600-RNLG	G3/4	0,7 … 8	Relieving	Manual - Knob	18-999-412	150234818	18-015-013	5292-53
R24-600-RNSG	G3/4	0,7 … 17	Relieving	Manual - Knob	18-999-412	150234818	18-015-014	5292-53
R24-601-RNXG	G3/4	None	Relieving	Air Pilot	18-999-412	150234818	18-015-014	5292-55
R24-800-RNLG	G1	0,7 … 8	Relieving	Manual - Knob	18-999-412	150234818	18-015-013	5292-53
R24-800-RNSG	G1	0,7 … 17	Relieving	Manual - Knob	18-999-412	150234818	18-015-014	5292-53
R24-801-RNXG	G1	None	Relieving	Air Pilot	18-999-412	150234818	18-015-014	5292-55
R24-A00-RNLG	G1 1/4	0,7 … 8	Relieving	Manual - Knob	18-999-412	150234818	18-015-013	5292-53
R24-A00-RNSG	G1 1/4	0,7 … 17	Relieving	Manual - Knob	18-999-412	150234818	18-015-014	5292-53
R24-A01-RNXG	G1 1/4	None	Relieving	Air Pilot	18-999-412	150234818	18-015-014	5292-55

* Adaptor required to connect standard pressure gauge to respective unit.

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IMI NORGREN

PRECISION & INSTRUMENT REGULATOR

Pressure regulator R27-200, 11-818 – G1/4

R27-200:

- High precision regulator using a control chamber instead of a spring, so increasing its sensitivity to any variations and eliminating any spring hysteresis
- Perfect for dead-end applications
- Excellent long term stability

11-818:

- Precision instruments with integral pilot to ensure very close pressure control in a compact form
- Unit double filters air before reaching pilot valve to help prevent leakage and malfunction
- Panel mounting facility

* Not recommended for dead-end applications

Technical Data

Medium:
Dry, oil free air, filtered to 5µm

Maximum inlet pressure:
R27: 10 bar (minimum 0,2 above output)
11-818 Low pressure: 8 bar
11-818 Standard pressure: 10 bar
11-818 High pressure: 14 bar

Ambient temperature:
R27: -20°C … +70°C
11-818: 0°C … +70°C

Materials

R27:
Body: Passivated zinc & Epoxy painted
Springs: Stainless steel
Elastomers: NBR

11-818:
Body & Bonnet: Zinc alloy
Adjusting knob: Acetal resin
Elastomers: NBR

EXPRESS

R27-200

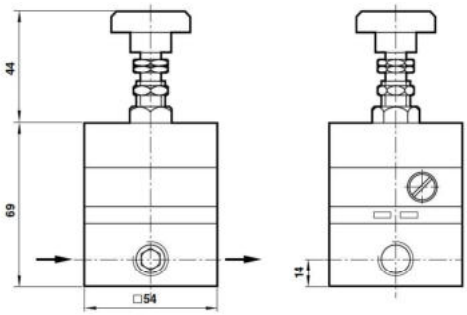


11-818

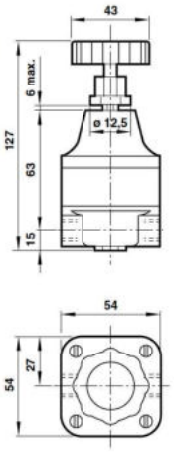


Dimensions

R27-200



11-818



Models

Accessories Service Kit

11-818 series								Panel mounting nut	
Model	**Port size**	**Pressure range (bar)**	**Flow* (dm^3/s)**	**Accuracy # (bar)**	**Operation**	**Gauge ports**	**Tamper proof adjusting screw**		
11-818-999	G1/4	0,02 … 0,50 (low)		0,01	Relieving	–	–	3081-01	2787-96
11-818-998	G1/4	0,02 … 0,50 (low)		0,01	Relieving	–	Tamper proof	3081-01	2787-96
11-818-100	G1/4	0,07 … 4 (standard)	8	0,03	Relieving	–	–	3081-01	2787-98
11-818-101	G1/4	0,07 … 4 (standard)	8	0,03	Relieving	–	Tamper proof	3081-01	2787-98
11-818-110	G1/4	0,4 … 10 (high)		0,05	Relieving	–	–	3081-01	2787-97
11-818-987	G1/4	0,02 … 0,50 (low)		0,01	Relieving	R1/4	–	3081-01	2787-96
11-818-993	G1/4	0,07 … 4 (standard)	8	0,03	Relieving	R1/4	–	3081-01	2787-98
11-818-991	G1/4	0,4 … 10 (high)		0,05	Relieving	R1/4	–	3081-01	2787-97

* Typical flow with 8 bar inlet pressure and 0,05 bar droop from set pressure of 4 bar # Typical mid range variance from set pressure with 7 bar inlet at 2 dm^3/s flow.
Note: 11-818 is not a constant bleed device, when being used under flow conditions no air is consumed. Air bleed is only effective under zero flow conditions as in a dead end application.

R27-200 series							
Model	**Port size**	**Pressure range (bar)**	**Flow* (dm^3/s)**	**Hysteresis/ repeatability#**	**Sensitivity**	**Operation**	**Gauge ports**
R27-200-RNCG	G1/4	0,14 … 2,0	8	< 0,05%	> 0,3 mbar	Relieving	G1/4
R27-200-RNFG	G1/4	0,14 … 4,0	8	< 0,05%	> 0,3 mbar	Relieving	G1/4
R27-200-RNLG	G1/4	0,14 … 8,0	8	< 0,05%	> 0,3 mbar	Relieving	G1/4

* Maximum flow achieved under ideal conditions. # Typical values at mid range.
Note: R27 reglators are designed as constant bleed devices and consume air, typically less than 0,016 dm^3/s.

STAINLESS STEEL GENERAL PURPOSE

Filters, pressure regulators, lubricators F22, R22, L22 – 1/2" NPTF

- Materials meet NACE* recommendations (MR-0175, 2002 revision)
- 25 µm filter element as standard
- Orientable metal bowls with sightglasses

* National Association of Corrosion Engineers – recognised oil-field recommendation for resistance to sulphide stress cracking common in well-head and other corrosive environments

Technical Data

Medium:
Compressed air only

Maximum inlet pressure:
F22, L22 17 bar
R22: 20 bar

Gauge ports:
R22: 1/4 PTF

Pressure range:
R22: 0,4 … 10 bar
Note: Outlet pressure can be adjusted in excess of and also less than those listed

Operation:
R22: Relieving
L22: Oil-fog

Start Point:
L22: 1,7 dm^3/s at 6,3 bar

Ambient temperature:
-20°C … +80°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Materials

F22:
Body & Bowl: Stainless steel
Filter element: PE
Elastomers: Synthetic rubber

R22:
Body, Bonnet & Adjusting screw: Stainless steel
Elastomers: Synthetic rubber

L22:
Body & Bowl: Stainless steel
Elastomers: Synthetic rubber

F22



R22

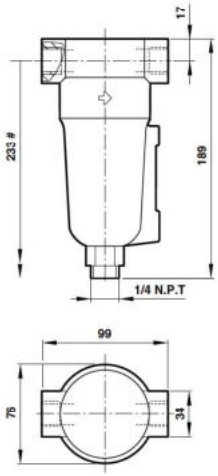


L22

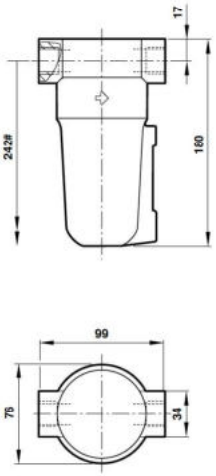


Dimensions

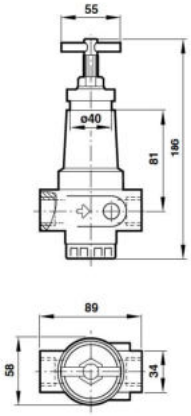
F22 Auto drain



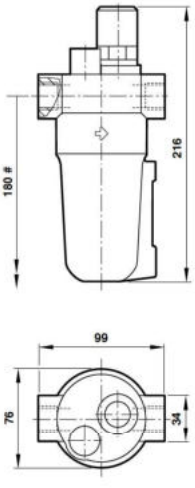
F22 Manual drain



R22



L22



Minimum clearance required to remove bowl

Online at www.imi-precision.com

STAINLESS STEEL GENERAL PURPOSE

Filters, pressure regulators, lubricators F22, R22, L22 – 1/2" NPTF

Models

Accessories

Service Kit

F22 series Auto drain Model	Manual drain Model	Port size	Flow* (dm³/s)	Element	Wall mounting bracket	Auto drain	Manual drain
							
F22-400-A7DA	F22-400-M7DA	1/2 PTF	57	25 µm	18-001-962	F22-KITA25	F22-KITM25

* Typical flow with 6,3 bar inlet pressure and 0,5 bar pressure drop.

R22 series Model	Port size	Flow* (dm³/s)	Pressure range (bar)	Wall mounting bracket	Neck mounting bracket	Gauge**	
							
R22-401-RNMA	1/2 PTF	50	0,4 … 10	18-001-962	18-001-959	18-015-909	R22-KITR

* Typical flow with 10 bar inlet pressure and 1 bar droop from set pressure of 6,3 bar.
** Not to NACE standard.

L22 series Model	Port size	Flow* (dm³/s)	Wall mounting bracket	
				
L22-400-0P8A	1/2 PTF	48	18-001-962	L22-KIT

* Typical flow with 10 bar inlet pressure and 0,5 bar pressure drop.

Options - Filter

- Stainless steel element
- 5 µm element

Options - Regulator

- Alternative outlet pressure ranges
- Non-relieving operation

STAINLESS STEEL GENERAL PURPOSE

Filter/regulator B38 – 3/8 … 3/4 PTF

- Designed for use in corrosive enviroments
- Metallic parts meet NACE Standard MR-01-75*
- Applications include marine enviroments, oil and gas production, chemical and food processing, medical analysis
- Relieving or non relieving models. Relieving models allow reduction of outlet pressure even when the system is dead-ended.

* National Association of Corrosion Engineers – recognised oil-field recommendation for resistance to sulphide stress cracking common in well-head and other corrosive environments

Technical Data

Medium:
Compressed air only

Maximum inlet pressure:
Autodrain: 17 bar
Manual drain: 31 bar

Flow:
50 dm^3/s
Typical flow with 12 bar inlet pressure, 8 bar set pressure and 1 bar droop from set

Gauge ports:
1/4" PTF

Relief port:
1/8" PTF

Ambient temperature:
-40°C … +80°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Particle removal:
5 µm or 25 µm filter element

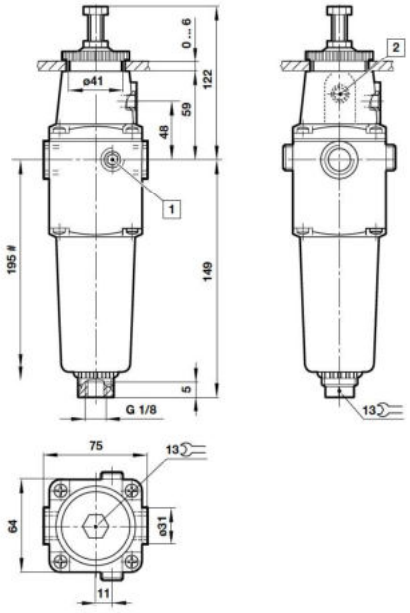
Materials

Body, Bowl, Bonnet & Adjusting screw: Stainless steel
Filter element: High density polyethylene
Elastomers: Synthetic rubber

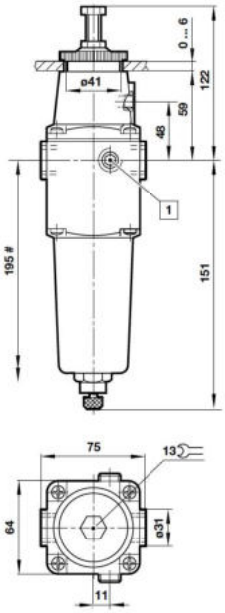


Dimensions

Auto drain



Manual drain



Minimum clearance required to remove bowl
1 1/4 PTF Gauge port
2 1/8 PTF Relief port

Options

- 25µm element

Models

B38 series Auto drain Model	Manual drain Model	Port size	Pressure range (bar)	Flow* (dm^3/s)	Operation	Element
B38-344-A1LA	B38-344-M1LA	3/8 PTF	0,3 … 9	50	Relieving	5 µm
B38-444-A1LA	B38-444-M1LA	1/2 PTF	0,3 … 9	50	Relieving	5 µm
B38-644-A1LA	B38-644-M1LA	3/4 PTF	0,3 … 9	50	Relieving	5 µm

Accessories

Neck mounting bracket & nut	Gauge	Plastic adjusting knob
18-001-973	18-015-909	74630-04
18-001-973	18-015-909	74630-04
18-001-973	18-015-909	74630-04

Sevice kits

Filter element	Valve assembly and diaphragm	Drain kit
2787-43	2787-41 (relieving)	3000-87 (automatic)
2787-43	2787-41 (relieving)	3000-87 (automatic)
2787-43	2787-41 (relieving)	3000-87 (automatic)

* Typical flow with 12 bar inlet pressure and 1 bar droop from set pressure of 8 bar.
Units supplied complete with panel mounting ring.

IMI Precision Engineering

For further information, visit: www.imi-precision.com
and use the new improved search function. If you cannot see the option you require please contact us.

IMI NORGREN

STAINLESS STEEL

Precision regulators and filter/regulators R38, B38 – 1/4 NPTF

- Designed for use in corrosive environments
- Applications include marine environment, oil and gas production, chemical and food processing, medical analysis
- Model for precision regulation and high flow
- Metallic parts meet NACE* Standard MR-01-75

* National Association of Corrosion Engineers – recognised oil-field recommendation for resistance to sulphide stress cracking common in well-head and other corrosive environments

Technical Data

Medium:
Compressed air only

Maximum inlet pressure:
R38 - 31 bar
B38 Manual drain - 31 bar
B38 Auto drain - 17 bar

Gauge ports:
1/4" PTF

Pressure range:
See table below
Note: Outlet pressure can be adjusted in excess of and also less than those listed

Ambient temperature:
-40°C … +80°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Materials

R38:
Body, Bowl, Bonnet & Adjusting screw: Stainless steel
Elastomers: Synthetic rubber

B38:
Body, Bowl, Bonnet & Adjusting screw: Stainless steel
Filter element: High density PUR (25 µm), Stainless steel (5 µm)
Elastomers: Synthetic rubber

R38

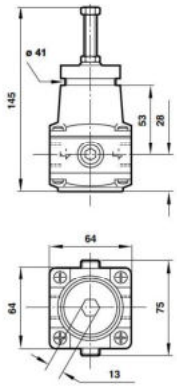


B38

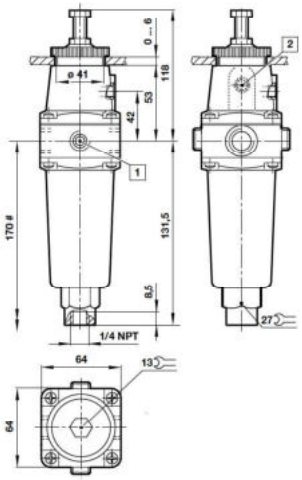


Dimensions

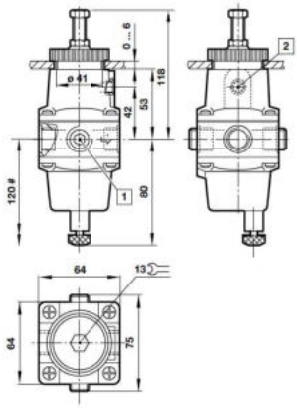
R38



B38 Auto drain



Manual drain, short bowl



Minimum clearance required to remove bowl
[1] 1/4 PTF Gauge port
[2] 1/8 PTF Relief port

Options

- Non relieving operation
- 25µm element (B38)

Models

R38 series Precision pressure regulator

Model	Port size	Pressure range (bar)	Flow* (dm³/s)	Neck mounting bracket & nut	Gauge	Plastic adjusting knob	
							
R38-240-RNCA	1/4 PTF	0,04 … 2	8	18-001-973	18-015-913	74630-04	R38-100R
R38-240-RNFA	1/4 PTF	0,07 … 4	8	18-001-973	18-015-913	74630-04	R38-101R
R38-240-RNMA	1/4 PTF	0,40 … 10	8	18-001-973	18-015-909	74630-04	R38-102R

B38 series Precision pressure regulator

Model	Port size	Pressure range (bar)	Flow* (dm³/s)	Drain	Element	Neck mounting bracket & nut	Gauge	Plastic adjusting knob	Filter element	Service kit	Drain kit
											
B38-244-B1FA	1/4 PTF	0,07 … 4	8	Manual	5 µm	18-001-973	18-015-913	74630-04	B38-100S(5)	R38-101R	–
B38-244-A1FA	1/4 PTF	0,07 … 4	8	Automatic	5 µm	18-001-973	18-015-913	74630-04	B38-100S(5)	R38-101R	3000-90
B38-244-B1KA	1/4 PTF	0,25 … 7	8	Manual	5 µm	18-001-973	18-015-909	74630-04	B38-100S(5)	R38-101R	–
B38-244-A1KA	1/4 PTF	0,25 … 7	8	Automatic	5 µm	18-001-973	18-015-909	74630-04	B38-100S(5)	R38-101R	3000-90
B38-244-B1MA	1/4 PTF	0,5 … 10	8	Manual	5 µm	18-001-973	18-015-909	74630-04	B38-100S(5)	R38-102R	–
B38-244-A1MA	1/4 PTF	0,5 … 10	8	Automatic	5 µm	18-001-973	18-015-909	74630-04	B38-100S(5)	R38-102R	3000-90

* Typical flow with 7 bar inlet pressure and 0,05 bar droop from set pressure of 1 bar.

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STAINLESS STEEL GENERAL PURPOSE

Regulators and filter-regulator B05, R05 – 1/4" PTF

- Metallic parts meet NACE* recommendations
- Miniature high corrosion resistant design
- Adjusting knob has snap-action lock
- Particularly suitable for marine, petro-chemical, food processing, medical, dental and similar applications
- Panel mounting facility

* National Association of Corrosion Engineers - recognised oil-field recommendation for resistance to sulphide stress cracking common in well-head and other corrosive environments.

Technical Data

Medium:
Compressed air only

Maximum inlet pressure:
20 bar

Gauge ports:
1/8" PTF

Pressure range:
0,3 … 8,5 bar

Ambient temperature:
Acetal knob: -25°C … +66°C
T-bar: -25°C … +80°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Materials

B05:
Body, Valve & Bowl: 1.4104 (316) stainless steel
Bonnet: 1.4104 (316) stainless steel with T-handle or Acetal adjusting knob
Valve seat: Acetal
Springs: 1.4319 (302) stainless steel
Drain: stainless steel or Acetal
Element: Sintered PE
Elastomers: FPM, automatic drain NBR

R05:
Body & Valve: 1.4104 (316) stainless steel
Bonnet: 1.4104 (316) stainless steel with T-handle or Acetal with stainless steel adjusting screw
Valve seat: Acetal
Springs: 1.4319 (302) stainless steel
Elastomers: FPM

B05



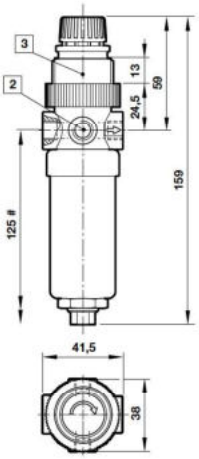
R05



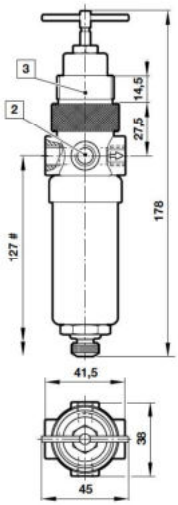
Dimensions

B05

Filter/Regulator with acetal knob with autodrain

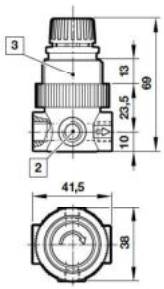


Filter/Regulator with T bar and automatic drain

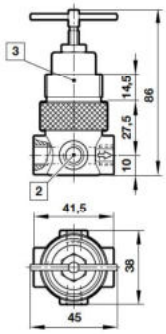


R05

Regulator with Acetal bonnet



Regulator with stainless steel T-handle



[2] Gauge port: 1/8 PTF, standard units are shipped with two plugs for sealing gauge ports.

[3] Panel mounting hole diameter 30 mm, Panel thickness 0 … 6 mm

Options

- Non relieving operation
- Alternative output range
- 40 µm element (B05)
- Manual drain (B05)

Models

Accessories

Service Kit

B05 series Model	Port size	Pressure range (bar)	Flow* (dm³/s)	Bonnet	Gauge**	Mounting nut	
							
B05-233-A1LA	1/4 PTF	0,3 … 8,5	7	Knob	18-015-844	2962-89	3820-08
B05-238-A1LA	1/4 PTF	0,3 … 8,5	7	T-bar	18-015-844	2962-89	3820-08

R05 series Model	Port size	Pressure range (bar)	Flow* (dm³/s)	Bonnet	Gauge**	Mounting nut	Auto drain
							
R05-200-RNLA	1/4 PTF	0,3 … 8,5	7	Knob	18-015-844	2962-89	R05-KITR
R05-232-RNLA	1/4 PTF	0,3 … 8,5	7	T-bar	18-015-844	2962-89	R05-KITR

* Typical flow with 10 bar inlet pressure and 1 bar droop from set pressure of 6,3 bar.
** Not NACE standard.

AIR PREPARATION ACCESSORIES

Gauges, Auto-drain, Drip leg drain

GAUGES

EXPRESS

- Monitor pressures in a compressed air system for optimum efficiency
- Choice of pressure ranges
- Direct or panel mounted

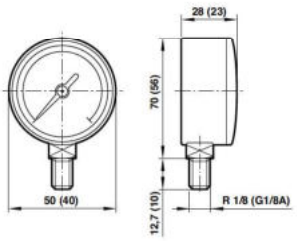


Standard Steel and plastic

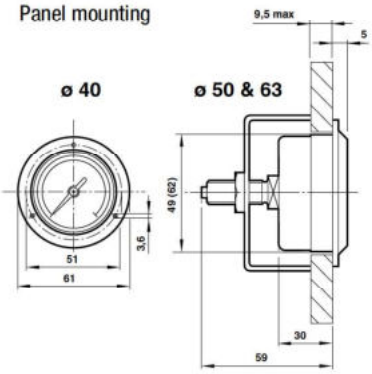
Model	Pressure range (bar)	Nominal diameter (mm)	Connection type / mounting	Port connection
18-015-887	0 … 1	40	Centre Back	R1/8
18-015-991	0 … 1,6	40	Centre Back	R1/8
18-015-886	0 … 2,5	40	Centre Back	R1/8
18-015-990	0 … 4	40	Centre Back	R1/8
18-015-885	0 … 6	40	Centre Back	R1/8
18-015-989	0 … 10	40	Centre Back	R1/8
18-015-884	0 … 16	40	Centre Back	R1/8
18-015-908	0 … 25	40	Centre Back	R1/8
18-015-010	0 … 1,6	50	Centre Back	R1/8
18-015-011	0 … 4	50	Centre Back	R1/8
18-015-012	0 … 6	50	Centre Back	R1/8
18-015-013	0 … 10	50	Centre Back	R1/8
18-015-014	0 … 25	50	Centre Back	R1/8
18-015-893	0 … 1	63	Centre Back	R1/8
18-015-892	0 … 2,5	63	Centre Back	R1/8
18-015-891	0 … 6	63	Centre Back	R1/8
18-015-856	0 … 10	63	Centre Back	R1/8
18-015-855	0 … 16	63	Centre Back	R1/8
18-015-888	0 … 25	63	Centre Back	R1/8
18-015-879	0 … 1,6	40	Panel Mounted	G1/8A
18-015-878	0 … 6	40	Panel Mounted	G1/8A
18-015-877	0 … 10	40	Panel Mounted	G1/8A
18-015-858	0 … 6	50	Panel Mounted	G1/8A
18-015-857	0 … 10	50	Panel Mounted	G1/8A
18-015-883	0 … 1,6	63	Panel Mounted	G1/4A
18-015-882	0 … 6	63	Panel Mounted	G1/4A
18-015-852	0 … 10	63	Panel Mounted	G1/4A
18-015-851	0 … 16	63	Panel Mounted	G1/4A
18-015-024	0 … 1,6	50	Bottom	R1/8
18-015-025	0 … 4	50	Bottom	R1/8
18-015-026	0 … 6	50	Bottom	R1/8
18-015-027	0 … 10	50	Bottom	R1/8
18-015-028	0 … 25	50	Bottom	R1/8
18-015-854	0 … 10	63	Bottom	G1/4A
18-015-853	0 … 16	63	Bottom	G1/4A

Dimensions

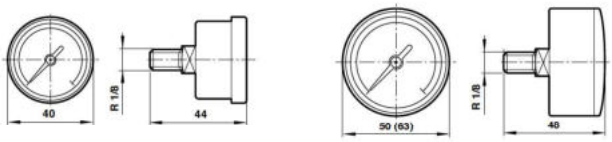
Bottom



Panel mounting



Centre back



Stainless Steel

Model	Pressure range (bar)	Nominal diameter (mm)	Connection type / mounting	Port connection
18-015-844	0 … 10	40	Centre Back	1/8 NPT
18-015-913	0 … 6	40	Centre Back	1/4 NPT
18-015-909	0 … 10	40	Centre Back	1/4 NPT
18-015-905	0 … 25	40	Centre Back	1/4 NPT

DRIP LEG DRAIN

- Fully automatic unit that can drain liquid from low points in compressed air systems



Models

Model	Port size	Bowl
17-816-998	G1/2	Metal
17-816-999	G1/2	Transparent

AUTO-DRAIN

- Spare parts for filters and filter/regulators



Models

Model	Bowl
4000-50R	Excelon 72, Excelon Pro
4000-51R	Excelon 73
3000-97	Excelon 74
6000-50	Olympian 64, 68

Online at www.imi-precision.com