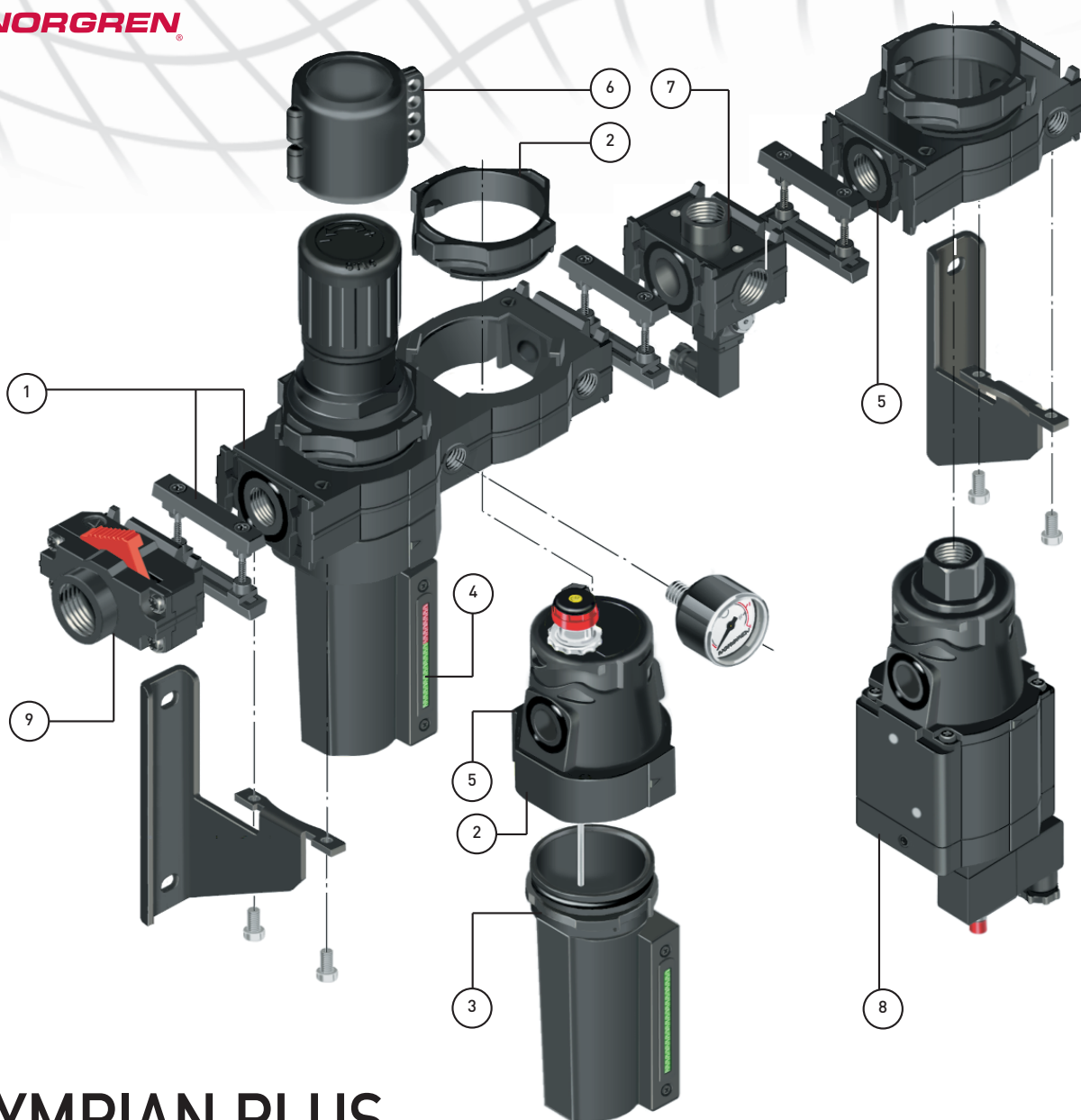




OLYMPIAN PLUS

Olympian Plus – the popular FRL system from Norgren, world leaders in air line equipment.

The unique Olympian plug-in design has been updated to set new standards for ease of use and system flexibility.

- | | | |
|--|---|---|
| <p>1 QUICK CONNECT YOKE SYSTEM</p> <p>Simple, speedy assembly of accessories and combination units</p> | <p>4 UNIQUE PRISMATIC SIGHT GLASS</p> <p>High visibility of liquid level.
Colour change service indication on filters and filter regulators.</p> | <p>7 PORTING BLOCK MOUNTED PRESSURE SWITCH</p> <p>Adjustable pressure switch for feedback to monitoring systems</p> |
| <p>2 PLUG IN UNITS</p> <p>Rapid installation and maintenance. Quarter turn clamp ring graphite impregnated for easy operation. Detent action prevents removal under pressure.</p> | <p>5 CAPTIVE 'O' RINGS</p> <p>Easy to assemble with no loose parts.</p> | <p>8 SOFT START/DUMP VALVE</p> <p>Provides controlled increase in pressure on system start-up. High exhaust flow capacity.</p> |
| <p>3 BAYONET BOWLS</p> <p>Easy removal for routine maintenance. Detent action prevents removal under pressure.</p> | <p>6 TAMPER RESISTANT COVER</p> <p>Simple accessory to prevent unauthorised adjustment of regulated pressure</p> | <p>9 3/2 SHUT OFF VALVE</p> <p>Slide valve with lockable blade. Threaded exhaust port.</p> |

OLYMPIAN PLUS PLUG-IN SYSTEM

Boxed sets and combination units - Filter/regulators and lubricators

BL64, BL68, FL64, FL68 - G1/4, G1 1/2



BL64



BL68

Complete air processing units pre-assembled, ready to install

Boxed sets include:
filter/regulator and micro-fog lubricator complete with exhausting shut-off valve, pressure gauge and mounting brackets

Filter-regulator and micro-fog lubricator combinations

Filter and micro-fog lubricator combinations

ALTERNATIVE MODELS

Manual drains and oil-fog lubricators also available.

Contact our Technical Service. For combinations not listed quote individual part numbers for basic units and yokes, see Olympian Accessories.

TECHNICAL DATA

Medium:

Compressed air only

Maximum inlet pressure:

17 bar

Ambient temperature:

-20°C ... +80°C

Consult our Technical Service for use below +2°C

Pressure range:

BL64: 0,3...10 bar

BL68: 0,4...8 bar

Gauge ports:

Rc 1/8

Element:

40 µm

Operation:

Relieving

MATERIALS

BL64 & FL64

Body and yoke: zinc alloy

Bowl: aluminium

Element: sintered plastic

Elastomers: synthetic rubber

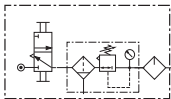
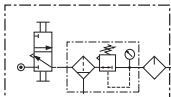
BL68 & FL68

Body & bowl: aluminium

Filter element: sintered bronze or plastic

Elastomers: synthetic rubber

BOXED SETS

		MODELS		ACCESSORIES		
Port size	kg	Auto drain	Manual drain	Tamper resistant kit	Quick fill nipple	Silencer (shut-off valve)
	4,15					
G1/2		BL64-401	BL64-421	4355-51	18-011-024	T40B1800
	5,99					
G1		BL68-801	BL68-821	4355-51	18-011-021	T40B2800

For service kit numbers refer to individual units.

For further information



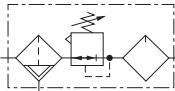
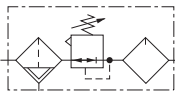
www.norgren.com/info/en6-059

OLYMPIAN PLUS PLUG-IN SYSTEM

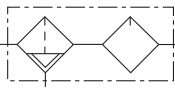
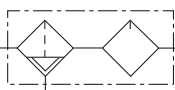
Boxed sets and combination units - Filter/regulators and lubricators

BL64, BL68, FL64, FL68 - G1/4, G1 1/2

FILTER/REGULATOR & LUBRICATOR COMBINATIONS - (without shut off valve, gauge and bracket)

MODELS					ACCESSORIES		
Port size	kg	Auto drain	Manual drain		Tamper resistant kit	Quick fill nipple	Silencer (shut-off valve)
							
	G1/4	3,19	BL64-208	BL64-228	4355-51	18-011-024	T40B1800
	G3/8	3,19	BL64-308	BL64-328	4355-51	18-011-024	T40B1800
	G1/2	2,73	BL64-408	BL64-428	4355-51	18-011-024	T40B1800
	G3/4	3,56	BL64-608	BL64-628	4355-51	18-011-024	T40B1800
	G3/4	4,94	BL68-608	BL68-628	4355-51	18-011-021	T40B2800
	G1	5,26	BL68-808	BL68-828	4355-51	18-011-021	T40B2800
	G1 1/4	6,50	BL68-A08	BL68-A28	4355-51	18-011-021	T40B2800
	G1 1/2	6,05	BL68-B08	BL68-B28	4355-51	18-011-021	T40B2800

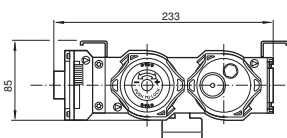
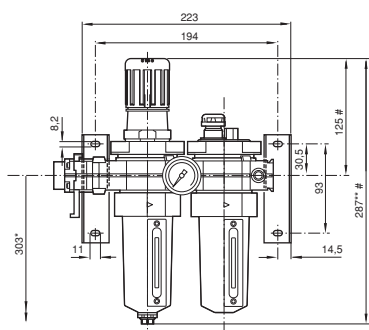
FILTER & LUBRICATOR COMBINATIONS - (without bracket)

		MODELS		ACCESSORIES			
Port size	kg	Auto drain	Manual drain	Tamper resistant kit	Quick fill nipple	Silencer (shut-off valve)	
							
	G1/4	2,50	FL64-208	FL64-228	4355-51	18-011-024	T40B1800
	G3/8	2,52	FL64-308	FL64-328	4355-51	18-011-024	T40B1800
	G1/2	2,43	FL64-408	FL64-428	4355-51	18-011-024	T40B1800
	G3/4	2,91	FL64-608	FL64-628	4355-51	18-011-024	T40B1800
	G3/4	3,90	FL68-608	FL68-628	4355-51	18-011-021	T40B2800
	G1	3,90	FL68-808	FL68-828	4355-51	18-011-021	T40B2800
	G1 1/4	4,05	FL68-A08	FL68-A28	4355-51	18-011-021	T40B2800
	G1 1/2	4,05	FL68-B08	FL68-B28	4355-51	18-011-021	T40B2800

DIMENSIONS

Boxed sets

BL64-401



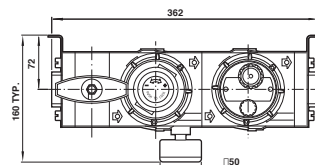
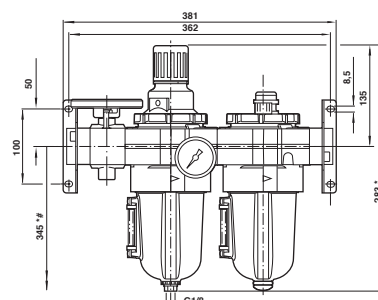
* Minimum clearance required to remove bowl

** Automatic

Reduces by 4 mm with knob in locked position

Weight: 3,58 kgm

BL68-801



* Minimum clearance required to remove bowl

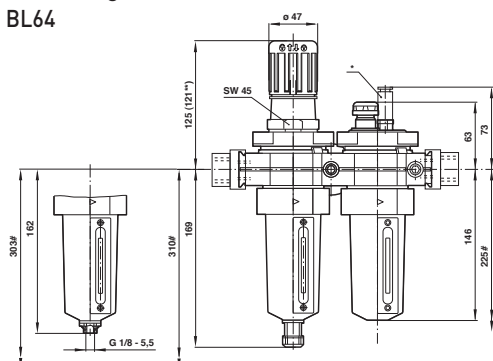
Reduces by 4 mm with

Weight: 6,69 kg

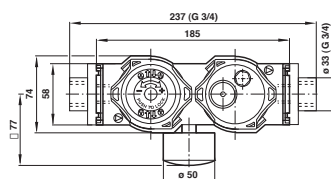
See also our Olympian Plus duplex system specifically designed for use in process plant and on main machinery installations and other equipment in continuous use where not even the shortest interruption of services is permissible.

Filter/regulator & lubricator combinations

BL64



Auto drain

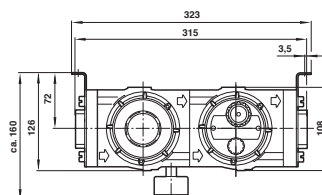
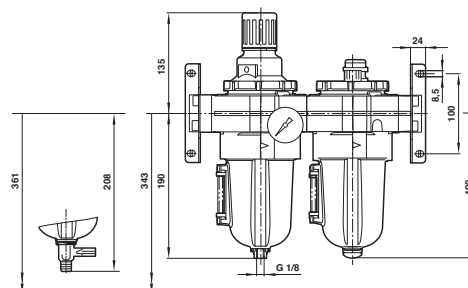


* Optional quick fill connector

** Knob in locked position

Minimum clearance
required to remove bowl.

BL68



* Manual drain

Minimum clearance required to remove bowl.

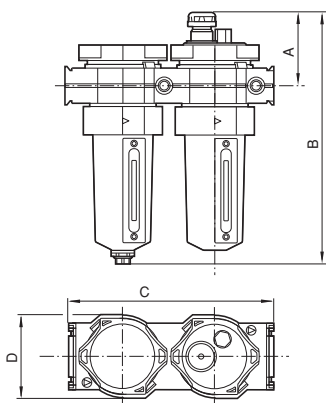
OLYMPIAN PLUS PLUG-IN SYSTEM

Boxed sets and combination units - Filter/regulators and lubricators

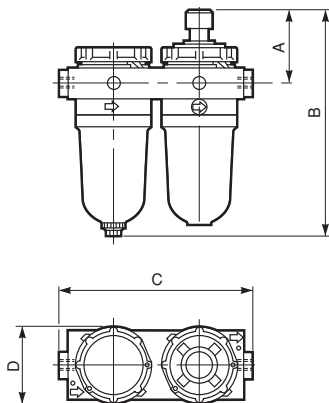
BL64, BL68, FL64, FL68 - G1/4, G1 1/2

Filter/lubricator combinations

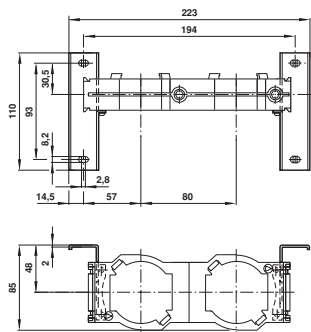
FL64



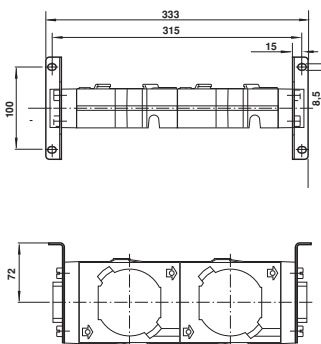
FL68



BL64 & FL64 Bracket mounting



BL68 & FL68 Bracket mounting



Series	Port size	A	B	C	D	kg
FL64	G1/4, G3/8, G1/2	63	227	233	74	2,99
	G3/4	63	227	262	74	2,99
FL68	G3/4, G1	75	263	315	112	4,6
	G1 1/4, G1 1/2	75	263	325	112	4,6



F68G

Standard options include element service indicator, manual drains and alternative filter elements

Consult our Technical Service for use below +2°C

Elastomers: synthetic rubber

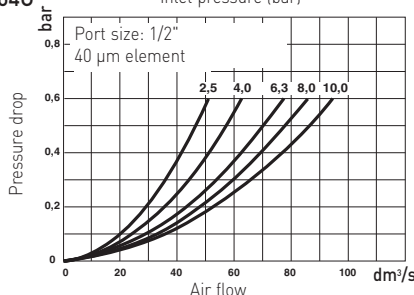
	MODELS				ACCESSORIES			SERVICE KIT		
	Port size	kg	Flow* (dm³/s)	Auto drain	Manual drain	Wall mounting bracket	3/2 Shut-off valve**	Silencer (shut-off valve)	Auto drain	Manual drain
	G1/4	1,42	33							
	G3/8	1,42	66	F64G-3GN-AD3	F64G-3GN-MD3	74504-50	T64T-3GB-P1N	T40B1800	F64G-KITA40	F64G-KITM40
	G1/2	1,32	75	F64G-4GN-AD3	F64G-4GN-MD3	74504-50	T64T-4GB-P1N	T40B1800	F64G-KITA40	F64G-KITM40
	G3/4	1,72	75	F64G-6GN-AD3	F64G-6GN-MD3	74504-50	T64T-6GB-P1N	T40B1800	F64G-KITA40	F64G-KITM40

**Threaded exhaust port. For replacement filter (without yoke) substitute 'N' at the 5th and 6th digits eg: F64G-NNN-AD3 (F64).

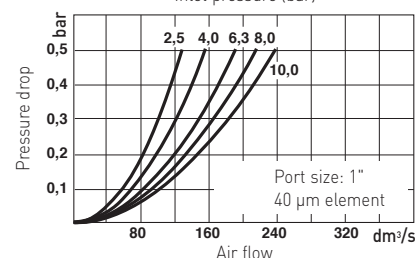
	MODELS				ACCESSORIES			SERVICE KIT		
	Port size	kg	Flow* (dm³/s)	Auto drain	Manual drain	Wall mounting bracket	3/2 Shut-off valve**	Silencer [shut-off valve]	Auto drain	Manual drain
	G3/4	2,45	160							
	G1	2,33	190	F68G-8GN-AR3	F68G-8GN-MR3	18-001-979	T68H-8GB-B2N	T40B2800	F68G-KITA40	F68G-KITM40
	G1 1/4	2,43	200	F68G-AGN-AR3	F68G-AGN-MR3	18-001-979	T68H-8GB-B2N	T40B2800	F68G-KITA40	F68G-KITM40
	G1 1/2	2,30	200	F68G-BGN-AR3	F68G-BGN-MR3	18-001-978	T68H-AGB-B2N	T40B2800	F68G-KITA40	F68G-KITM40

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

Inlet pressure (bar)



Inlet pressure (bar)



www.norgren.com/info/en6-063

OLYMPIAN PLUS PLUG-IN SYSTEM

General purpose filters

F64G, F68G - G1/4 ... G1 1/2

OPTIONS SELECTOR

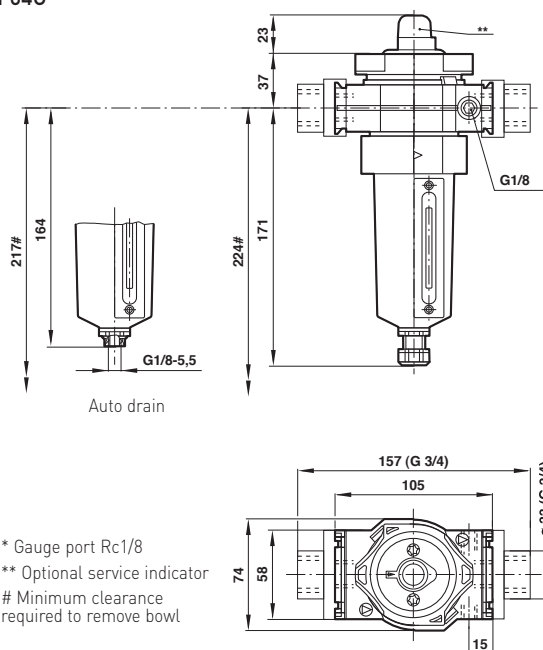
F64G-★ ★ ★ - ★ ★ ★			
Port size	Substitute	Element	Substitute
1/4	2	5 µm	1
3/8	3	40 µm	3
1/2	4		
3/4	6		
Threads	Substitute	Bowl	Substitute
PTF	A	Metal with liquid level indicator	D
ISO Rc taper	B	Closed bowl*	E
ISO G parallel	G		
Service life indicator	Substitute	Drain	Substitute
Mechanical	D	Manual	M
Electrical	E	Auto drain	A
Without	N		

F68G-★ ★ ★ - ★ ★ ★			
Port size	Substitute	Element	Substitute
3/4	6	5 µm	1
1	8	40 µm	3
1 1/4	A		
1 1/2	B		
Threads	Substitute	Bowl	Substitute
PTF	A	0,5 l with liquid level indicator	R
ISO Rc taper	B	1 l with liquid level indicator	U
ISO G parallel	G		
Service life indicator	Substitute	Drain	Substitute
Mechanical	D	Manual	M
Electrical	E	Auto drain	A
Without	N	Closed bowl *	E

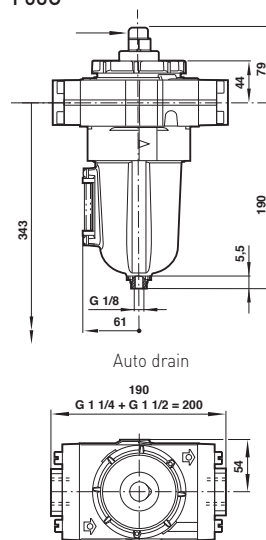
* For vacuum use.

DIMENSIONS

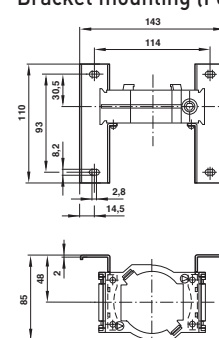
F64G



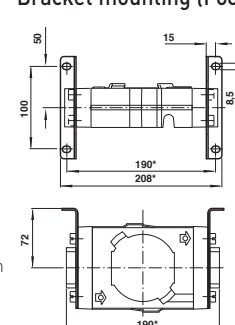
F68G



Bracket mounting (F64G)



Bracket mounting (F68G)



*Add 10 mm for 1 1/4 and 1 1/2" models

OLYMPIAN PLUS PLUG-IN SYSTEM

High efficiency oil removal filters

F64C/H, F68C/H - G1/4 ... G1



F64H

F68C

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

Consult our Technical Service for use below +2°C

MATERIALS

F64C/F64H

Body: zinc alloy

Bowl: aluminium

Yoke: aluminium

Element: composite

Elastomers: synthetic rubber

F68C/F68H

Body & bowl: aluminium

Yoke: aluminium

Filter element: composite

Elastomers: synthetic rubber

F64C/H

MODELS						ACCESSORIES			SERVICE KIT
Port size	kg	Flow* (dm ³ /s)	Auto drain	Manual drain		Wall mounting bracket	3/2 Shut-off valve**	Silencer (shut-off valve)	Auto drain
	G1/4	1,48	16						
	G3/8	1,70	28			74504-50	T64T-2GB-P1N	T40B1800	F64C-KITA0C
	G1/2	1,67	28			74504-50	T64T-3GB-P1N	T40B1800	F64H-KITA0C
	G3/4	2,01	28			74504-50	T64T-4GB-P1N	T40B1800	F64H-KITA0C
						74504-50	T64T-6GB-P1N	T40B1800	F64H-KITA0C

* To maintain stated oil content at 6.3 inlet pressure **Threaded exhaust port. For replacement filter (without yoke or pre-filter) substitute 'N' at the 5th and 6th digits eg: F64H-NND-AD0.

F68C/H

MODELS						ACCESSORIES			SERVICE KIT
Port size	kg	Flow* (dm ³ /s)	Auto drain	Manual drain		Wall mounting bracket	3/2 Shut-off valve**	Silencer (shut-off valve)	Auto drain
	G1/2	2,38	35						
	G3/4	2,72	35			18-001-979	T68H-4GB-B2N	T40B2800	F68C-KITA0C
						18-001-979	T68H-6GB-B2N	T40B2800	F68H-KITA0C
	G1	2,66	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.

TYPICAL PERFORMANCE CHARACTERISTICS

Inlet pressure (bar)	Maximum flow dm ³ /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	63
9	19,1	33,5	42	72

* Maximum flow to maintain stated oil removal performance

For further information



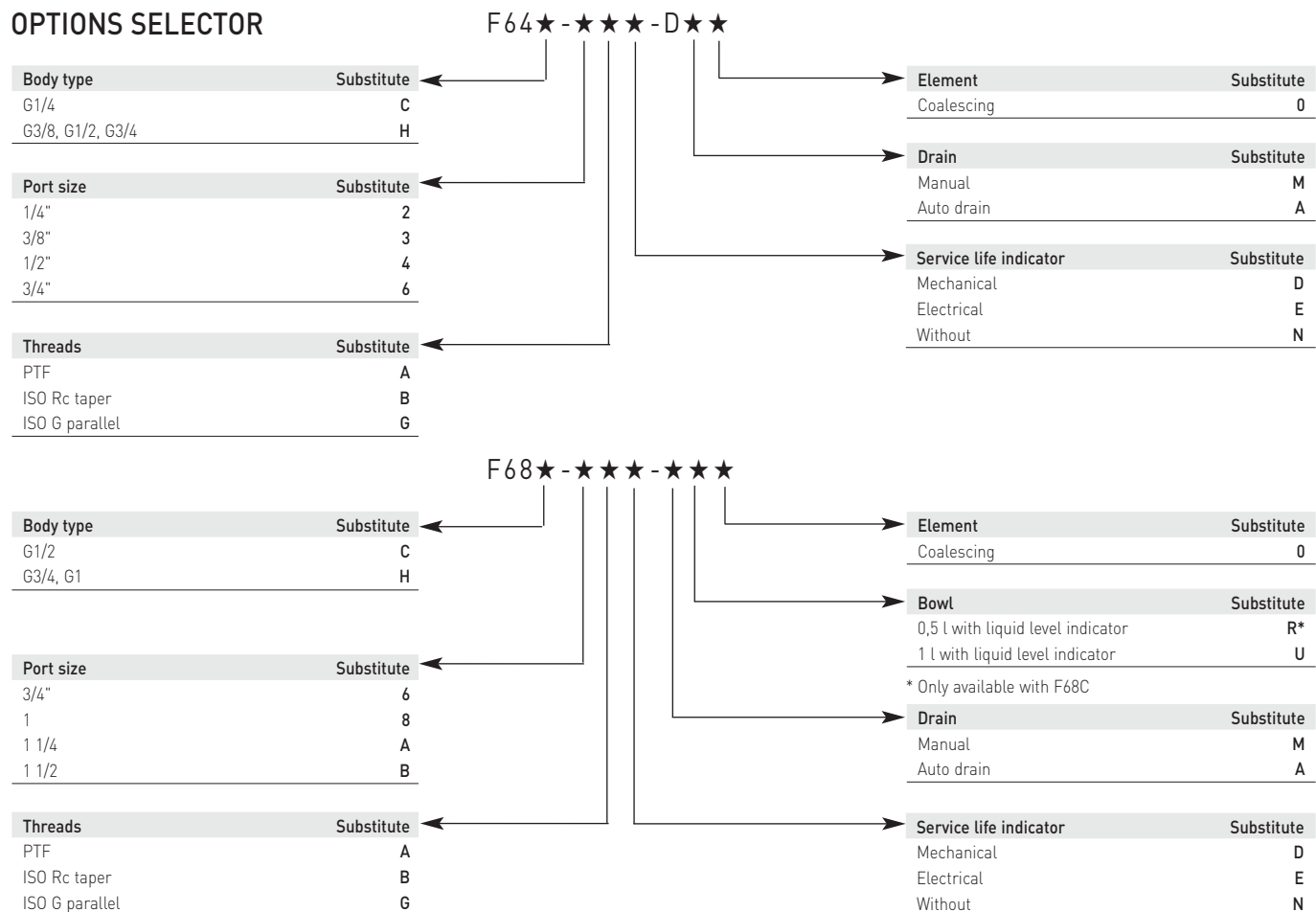
www.norgren.com/info/en6-065

OLYMPIAN PLUS PLUG-IN SYSTEM

High efficiency oil removal filters

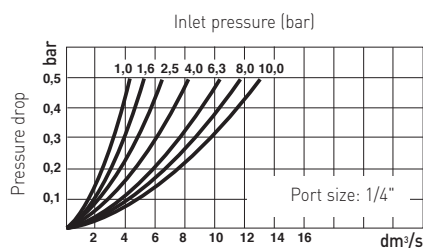
F64C/H, F68C/H - G1/4 ... G1

OPTIONS SELECTOR

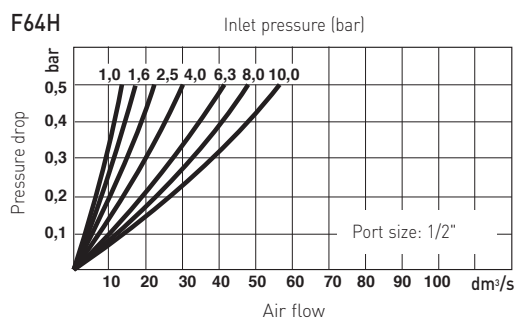


FLOW CHARACTERISTICS

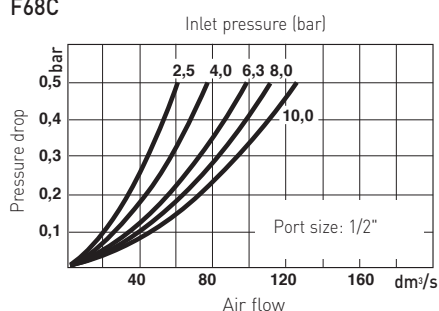
F64C



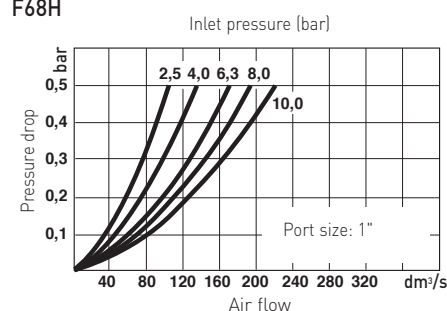
F64H



F68C

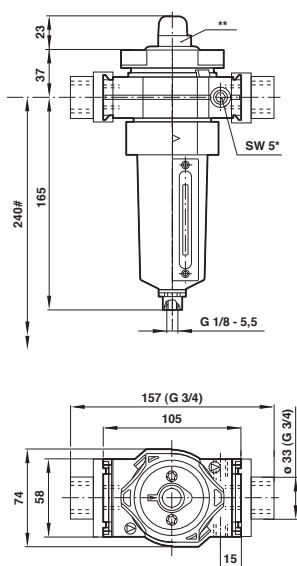


F68H

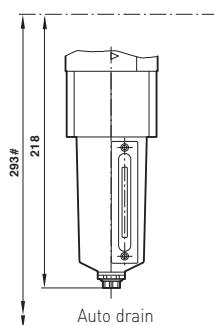


DIMENSIONS

F64C

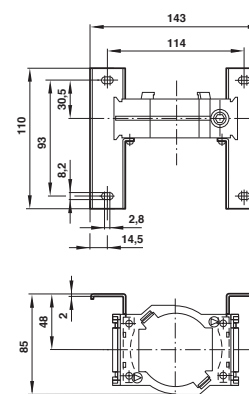


F64H

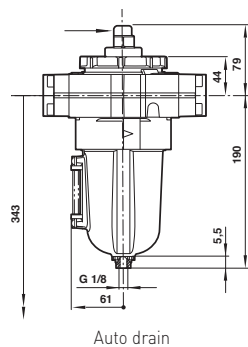


* Gauge port Rc1/8
 ** Optional service indicator
 # Minimum clearance required to remove bowl

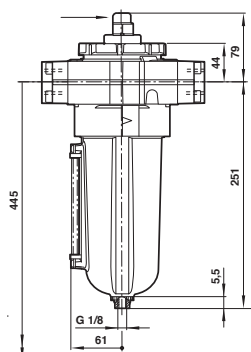
Bracket mounting (F64C/H)



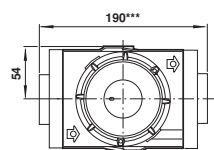
F68C



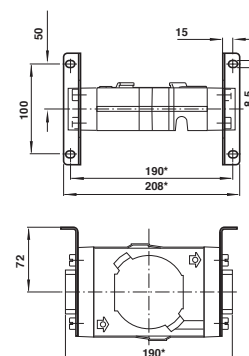
F68H



Minimum clearance required to remove bowl
 ** Standard service indicator
 *** For 1 1/4" and 1 1/2" ported yokes add 10 mm



Bracket mounting (F68C/H)



OLYMPIAN PLUS PLUG-IN SYSTEM

High efficiency oil/oil vapour removal filters

F64B/L, FFV68 - G1/4 ... G1



F64B/L

FFV68

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 and 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 indicates the presence of oil

Standard options include manual drains

TECHNICAL DATA

Medium:

Compressed air only

Maximum inlet pressure:

17 bar

Note: These units will not remove carbon monoxide, carbon dioxide or other toxic gases or fumes

Remaining oil content:

0,003 mg/m³ (at 21° C)

Particle removal:

To 0,01 µm

Ambient temperature:

-20°C ... +65°C

Consult our Technical Service for use below +2°C

MATERIALS

F64B/F64L

Bowl & body: zinc

Yoke: zinc alloy

Elastomers: synthetic rubber

Main filter element & activated carbon pack: composite materials

FFV68

Bowl & body: aluminium alloy

Yoke: aluminium alloy

Elastomers: synthetic rubber

Main filter element & activated carbon pack: composite materials

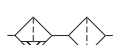
F64B/L

MODELS					ACCESSORIES					SERVICE KIT	
Port size	kg	Flow* (dm³/s)	Auto drain	Manual drain	Wall mounting valve	3/2 Shut-off valve**	Silencer (shut-off valve)	Coalescing element	Carbon pack	Auto drain	
											
G1/4	1,83	7	F64B-2GN-AR0	F64B-2GN-MR0	74504-50	T64T-2GB-P1N	T40B1800	5350-99	5568-01	F64B-KITA0V	
G3/8	2,21	11	F64L-3GN-AR0	F64L-3GN-MR0	74504-50	T64T-3GB-P1N	T40B1800	5350-98	5568-01	F64L-KITA0V	
G1/2	2,50	11	F64L-4GN-AR0	F64L-4GN-MR0	74504-50	T64T-4GB-P1N	T40B1800	5350-98	5568-01	F64L-KITA0V	
G3/4	2,88	11	F64L-6GN-AR0	F64L-6GN-MR0	74504-50	T64T-6GB-P1N	T40B1800	5350-98	5568-01	F64L-KITA0V	

* To maintain stated oil at 6.3 bar inlet pressure

**Threaded exhaust port. To order a basic unit without yoke substitute 'N' at the 5th and 6th digits eg: F64L-NNN-AR0.

FFV68

MODELS						ACCESSORIES				SERVICE KIT	
Port size	kg	Flow* (dm³/s)	Auto drain	Manual drain		Wall mounting bracket	3/2 Shut-off valve**	Silencer (shut-off valve)	Coalescing element	Carbon pack	Auto drain
											
G1/2	4,44	25	FFV68-408	FFV68-428	18-001-979	T68H-4GB-B2N	T40B2800	5351-98	665-72	F68C-KITA0C, F68V-KIT00V	
G3/4	5,05	35	FFV68-608	FFV68-628	18-001-979	T68H-6GB-B2N	T40B2800	5351-99	665-70	F68H-KITA0C, F68Y-KIT00Y	
G1	5,05	60	FFV68-808	FFV68-828	18-001-979	T68H-8GB-B2N	T40B2800	5351-99	665-70	F68H-KITA0C, F68Y-KIT00Y	

* To maintain stated oil at 6.3 bar inlet pressure.

**Threaded exhaust port. To order a basic unit without yoke substitute 'N' at the 5th and 6th digits eg: F68L-NNN-AR0.

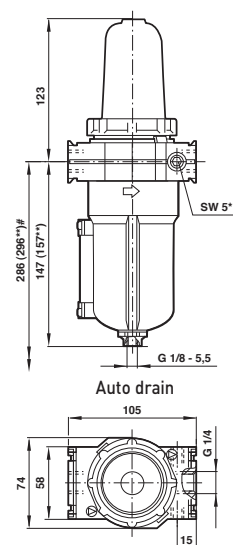
TYPICAL PERFORMANCE CHARACTERISTICS

Inlet pressure (bar)	Maximum flow dm ³ /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

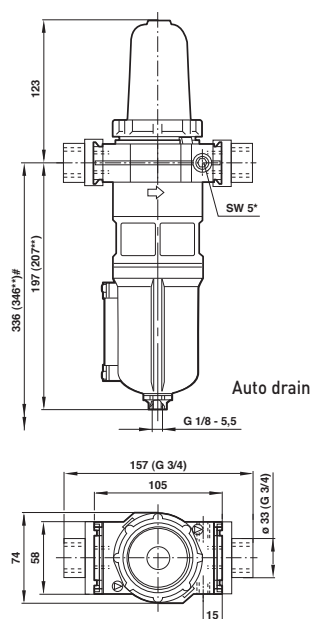
DIMENSIONS

F64B



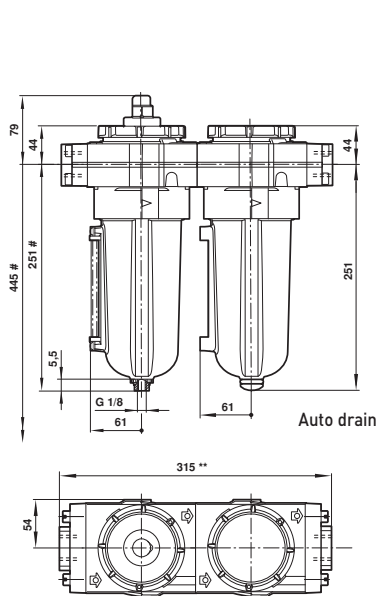
* Gauge port Rc 1/8
** Manual drain
Minimum clearance required to remove bowl

F64L



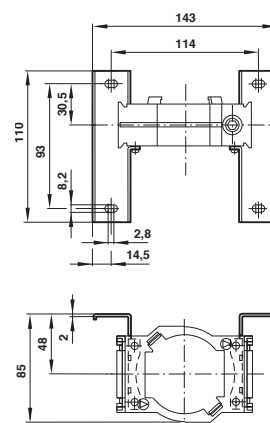
* Gauge port Rc 1/8
** Optional service indicator
Minimum clearance required to remove bowl

FFV68-608 / -808 ‡

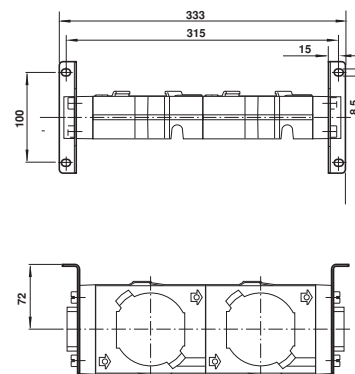


‡ FFV68-408 uses the short bowl version
Minimum clearance required to remove bowl
** For 1 1/4" and 1 1/2" ported yokes add 10 mm

Bracket mounting F64B/L

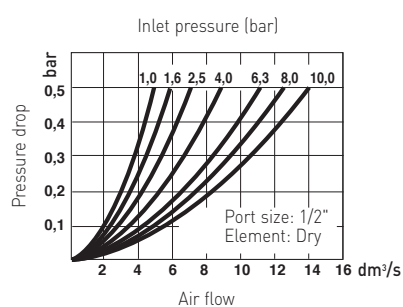


Bracket mounting FFV68

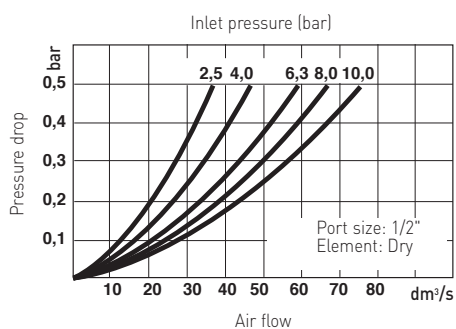


FLOW CHARACTERISTICS

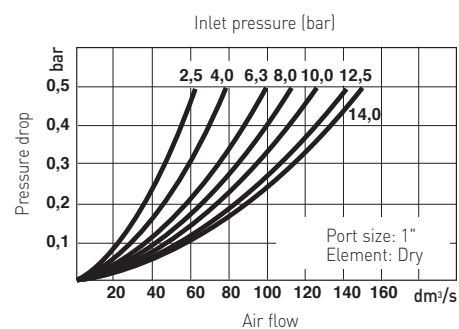
F64L



FFV68-408



FFV68-808



OLYMPIAN PLUS PLUG-IN SYSTEM

Breathing air sets

FFB64, FFB68 - G1/4 ... G3/4

FFB64, FFB68



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

High quality breathing air for the supply of up to 5 masks

TECHNICAL DATA

Medium:

Compressed air only

Maximum inlet pressure:

17 bar

Note: These units will not remove carbon monoxide, carbon dioxide or other toxic gases or fumes

Remaining oil content:

0.003 mg/m³ (at 21°C)

Particle removal:

To 0.01 µm

Ambient temperature:

-20°C ... +65°C

Consult our Technical Service for use below +2°C

MATERIALS

FFB64

Bowls: aluminium & zinc

Body & yoke: zinc alloy

Pre-filter element: sintered bronze or plastic

Main filter element & activated carbon pack: composite materials

FFB68

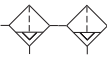
Bowls & body: aluminium

Yoke: aluminium

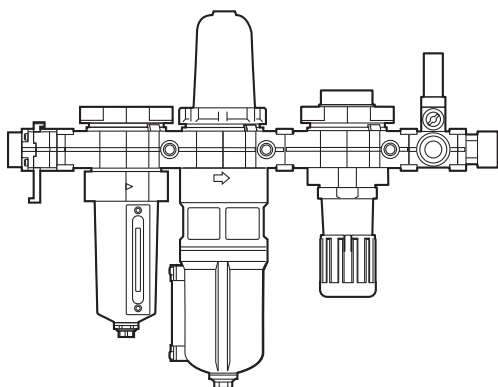
Elastomers: synthetic rubber

Pre-filter element: sintered plastic

Main filter element & activated carbon pack: composite materials

MODELS										ACCESSORIES		
Port size	Flow (dm ³ /s)	kg	Num. of masks	Primary pre-filter (µm)	Auto drain	Manual drain	Model with pressure regulator			Wall mounting bracket	Silencer (shut-off valve)	3/2 Shut-off valve*
	G1/4	7	3,20	1	5		FFB64-208	FFB64-228	FFR64-208	FFR64-228		
	G3/8	11	3,57	2	5		FFB64-308	FFB64-328	FFR64-308	FFR64-328		
	G1/2	35	7,45	3	25		FFB68-408	FFB68-428	FFR68-408	FFR68-428		
	G3/4	60	7,65	4/5	25		FFB68-608	FFB68-628	FFR68-608	FFR68-628		
												
										74504-50	T40B1800	T64T-2GB-P1N
										74504-50	T40B1800	T64T-3GB-P1N
										18-001-979	T40B1800	T68H-4GB-B2N
										18-001-979	T40B1800	T68H-6GB-B2N

For service kit numbers refer to individual units *Threaded exhaust port.



The addition of a pressure switch and end connector allows a low pressure warning signal to be given to an external electrical circuit.
FFR model shown (64 Series only).

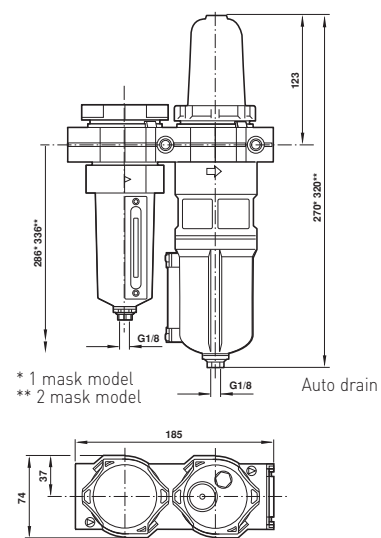
For further information



www.norgren.com/info/en6-070

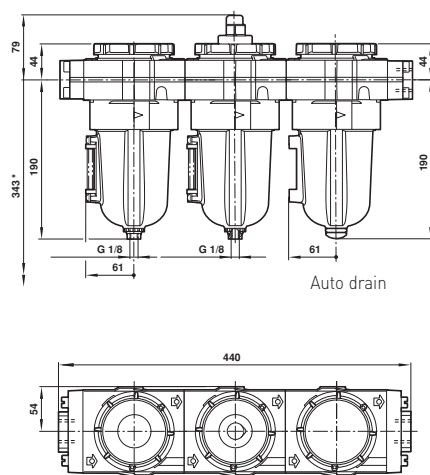
DIMENSIONS

1 & 2 Mask models



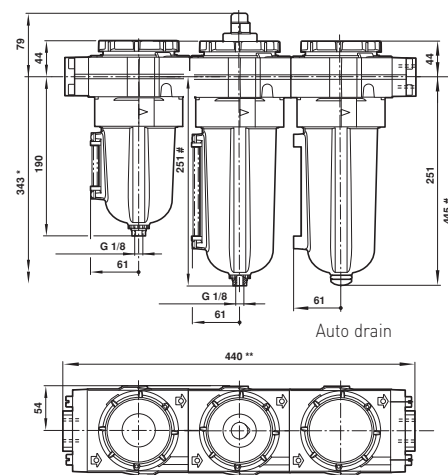
* 1 mask model
** 2 mask model

3 Mask models



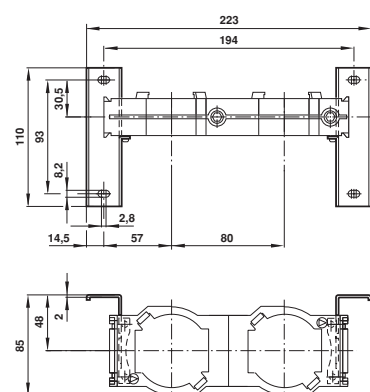
* Minimum clearance to remove bowl
Weight: 6,56 kg

4 & 5 Mask models

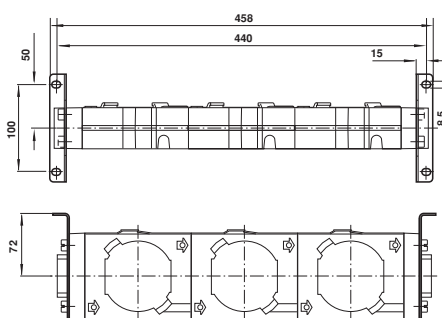


* Minimum clearance to remove bowl
Weight: 7,19 kg

Bracket mounting 1 & 2 Mask models



3, 4 & 5 Mask models



OLYMPIAN PLUS PLUG-IN SYSTEM

Filter/regulators

B64G, B68G - G1/4 ... G1 1/2



B64G



B68G

High efficiency water removal
Good regulation characteristics
Non-rising adjusting knob has snap-action lock
Standard options include nonrelieving models, manual drain and alternative pressure ranges

TECHNICAL DATA

Medium:
Compressed air only
Maximum inlet pressure:
17 bar
Gauge ports:
Rc1/8
Ambient temperature:
20°C ... +80°C
Consult our Technical Service for use below +2°C

Pressure range:

B64G: 0,3...17 bar
B68G: 0,4...17 bar

MATERIALS

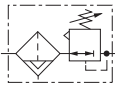
B64G

Body & yoke: zinc alloy
Bonnet & bowl: aluminium
Elastomers: synthetic rubber
Filter element: sintered plastic

B68G

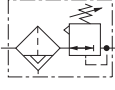
Body, bonnet, bowl & yoke: aluminium
Adjusting knob: acetal resin
Elastomers: synthetic rubber
Filter element: sintered plastic

B64G

MODELS					ACCESSORIES					SERVICE KIT	
Port size	Flow* (dm³/s)	kg	Auto drain	Manual drain	Wall mounting bracket	Gauge 0 ... 10 bar	3/2 Shut-off valve**	Tamper resistant kit	Silencer (shut-off valve)	Auto drain	Manual drain
											
G1/4	30	1,71	B64G-2GK-AD3-RMN	B64G-2GK-MD3-RMN	74504-50	18-013-013	T64T-2GB-P1N	4355-51	T40B1800	B64G-KITA40R	B64G-KITM40R
G3/8	76	1,69	B64G-3GK-AD3-RMN	B64G-3GK-MD3-RMN	74504-50	18-013-013	T64T-3GB-P1N	4355-51	T40B1800	B64G-KITA40R	B64G-KITM40R
G1/2	106	1,66	B64G-4GK-AD3-RMN	B64G-4GK-MD3-RMN	74504-50	18-013-013	T64T-4GB-P1N	4355-51	T40B1800	B64G-KITA40R	B64G-KITM40R
G3/4	106	2,02	B64G-6GK-AD3-RMN	B64G-6GK-MD3-RMN	74504-50	18-013-013	T64T-6GB-P1N	4355-51	T40B1800	B64G-KITA40R	B64G-KITM40R

*Typical flow with 10 bar inlet pressure, and 1 bar set pressure and 1 bar drop from set. For replacement filter/regulator (without yoke) substitute "N" at the 5th and 6th digits eg. B64G-NNK-AD3-RMN.** Threated exhaust port.

B68G

MODELS					ACCESSORIES					SERVICE KIT	
Port size	Flow* (dm³/s)	kg	Auto drain	Manual drain	Wall mounting bracket	Gauge 0 ... 10 bar	3/2 Shut-off valve**	Tamper resistant kit	Silencer (shut-off valve)	Auto drain	Manual drain
											
G3/4	240	3,29	B68G-6GK-AR3-RLN	B68G-6GK-MR3-RLN	18-001-979	18-013-013	T68H-6GB-B2N	4355-51	T40B2800	B68G-KITA40R	B68G-KITM40R
G1	240	3,29	B68G-8GK-AR3-RLN	B68G-8GK-MR3-RLN	18-001-979	18-013-013	T68H-8GB-B2N	4355-51	T40B2800	B68G-KITA40R	B68G-KITM40R
G1 1/4	240	3,35	B68G-AGK-AR3-RLN	B68G-AGK-MR3-RLN	18-001-978	18-013-013	T68H-AGB-B2N	4355-51	T40B2800	B68G-KITA40R	B68G-KITM40R
G1 1/2	240	3,35	B68G-BGK-AR3-RLN	B68G-BGK-MR3-RLN		18-013-013	T68H-BGB-B2N	4355-51	T40B2800	B68G-KITA40R	B68G-KITM40R

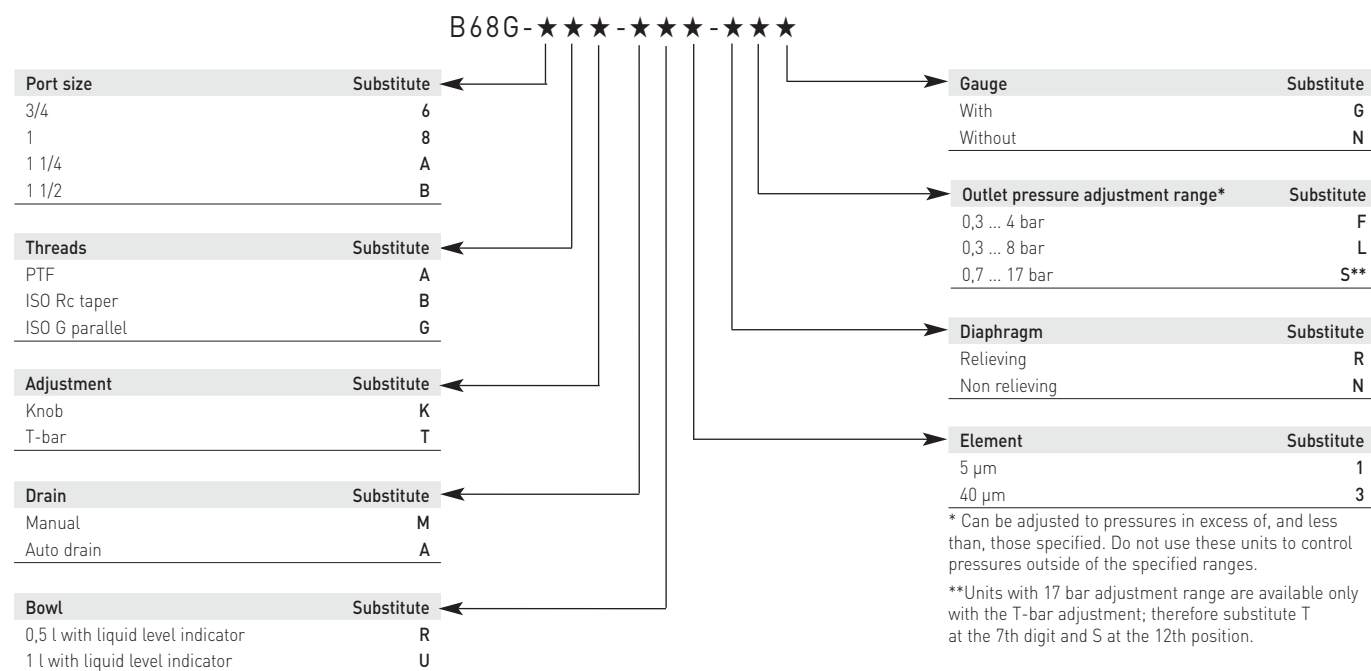
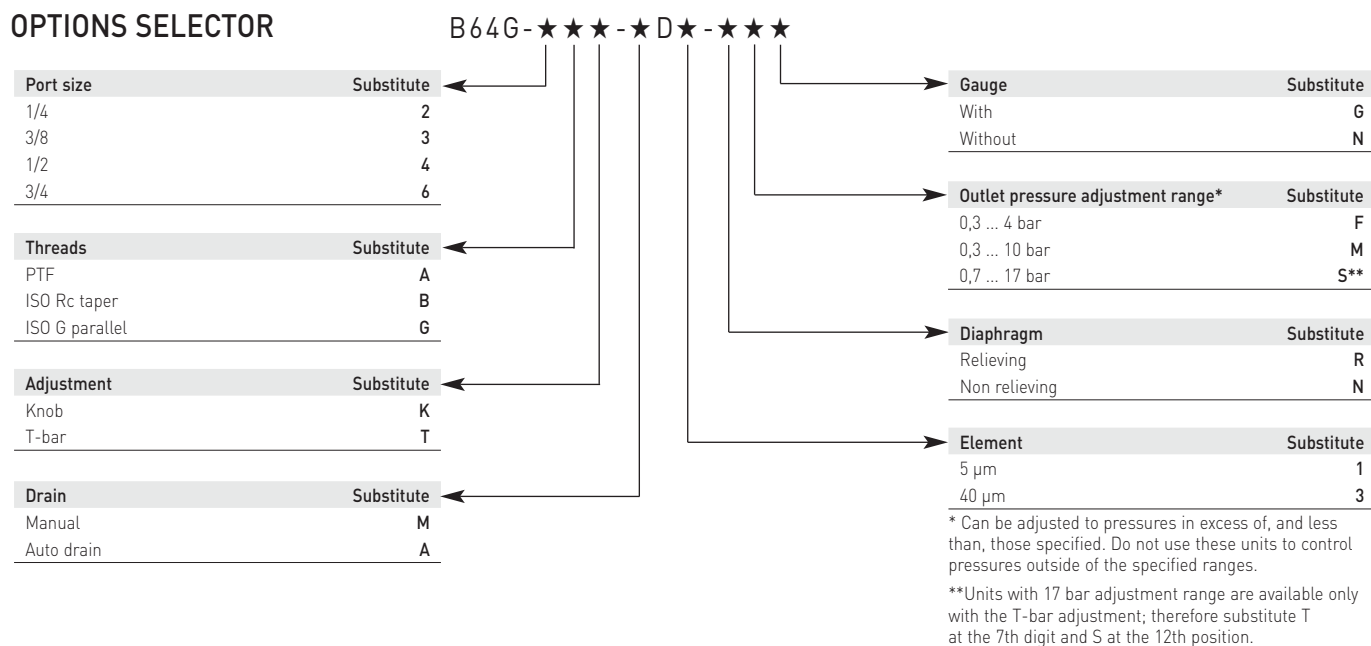
*Typical flow with 10 bar inlet pressure, and 1 bar set pressure and 1 bar drop from set. For replacement filter/regulator (without yoke) substitute "N" at the 5th and 6th digits eg. B68G-NNK-AR3-RLN.** Threated exhaust port.

For further information



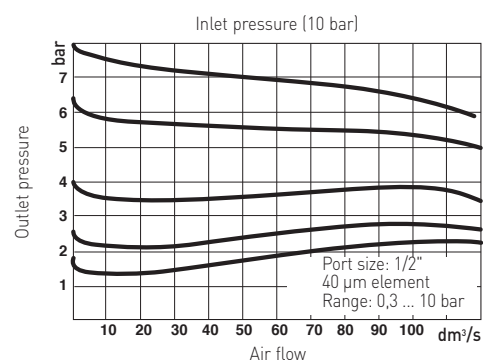
www.norgren.com/info/en6-072

OPTIONS SELECTOR

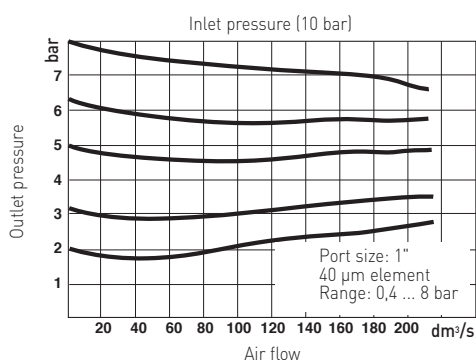


FLOW CHARACTERISTICS

B64G



B68G

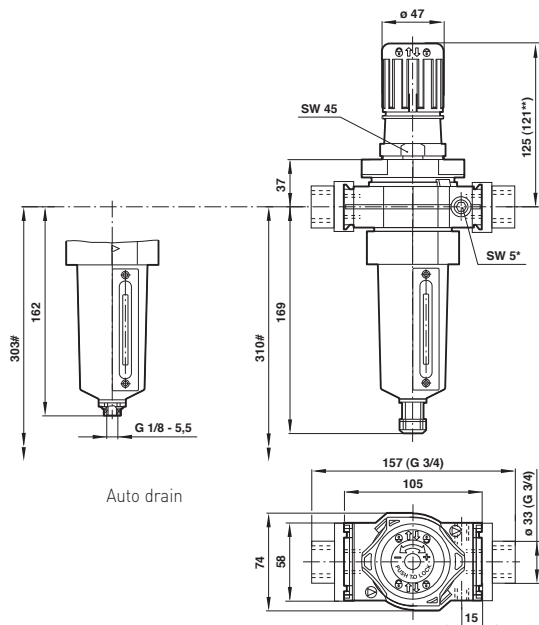


OLYMPIAN PLUS PLUG-IN SYSTEM Filter/regulators

B64G, B68G - G1/4 ... G1 1/2

DIMENSIONS

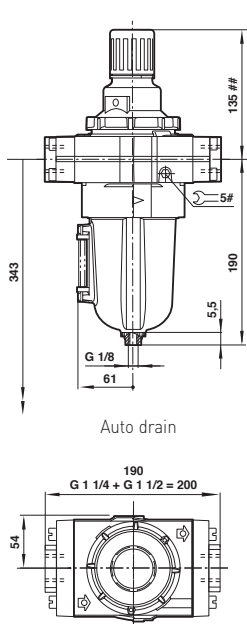
B64G



Auto drain

- * Gauge port Rc1/8
- ** Knob in locked position
- # Minimum clearance required to remove bowl

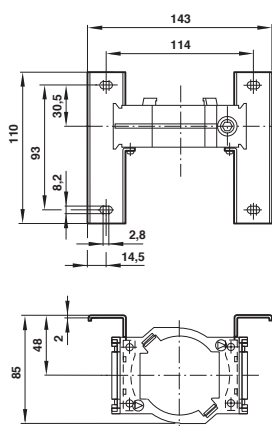
B68G



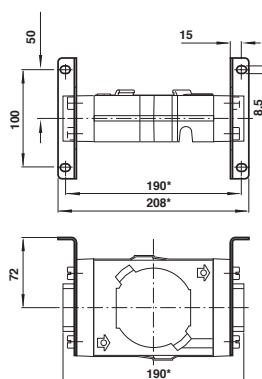
Auto drain

- * Manual drain
- # Minimum clearance required to remove bowl
- *** For 1 1/4" and 1 1/2" ported yokes add 10 mm

Bracket mounting (B64G)



Bracket mounting (B68G)



PROTECTING SYSTEMS, PERSONNEL AND THE ENVIRONMENT

Safety in the workplace is essential and is emphasised via the Machinery Directive, the Pressure Systems legislation and the Provision and Use of Work Equipment Regulations (PUWER).

OVERPRESSURE PROTECTION

In general all pneumatic components and equipment will have a Safe Working Pressure (SWP) and over pressure limit of 10%. The designer of the pneumatic system can use regulators to run the system at pressures below the SWP and use the 10% safety factor to be the limit of over pressure that the system can experience with the relief valve in operation.

RELIEF VALVES

Several types of relief valves exist to achieve different levels of performance with respect to the flow capacity and over pressure limitations. The most common is the 'pop' type, followed by the diaphragm type. For better performance use pilot operated valves with the integral pilot operated type being the most compact and cost effective

SOFT START/DUMP VALVES

The next form of protection is that associated with the moving parts of the system, where the parts themselves can need protection against excessive wear due to loading on start up or there is danger to personnel from sudden movement of the parts.

Here the use of "soft start" ("slow start") valves is desirable.

It is extremely common to couple the slow start valve with a dump or exhaust function valve within one body, for compactness.

The function of the 'dump' valve is to quickly exhaust the pressure from the downstream system.

EXHAUST AIR

Exhaust air needs to be treated correctly to reduce the effects of noise, oil mist and to minimise danger to personnel.

Where a dump valve is employed, large volumes of air can be released at high speed which will produce high noise levels. Quietaire silencers are often able to deal with this.

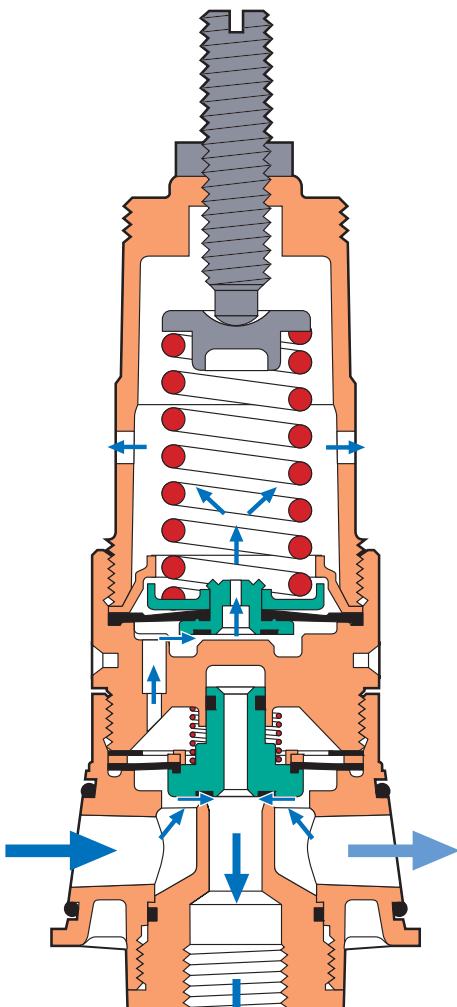
Incorrectly lubricated systems or those which require high levels of lubrication for heavy duty applications can expel high levels of oil into the atmosphere on their exhaust cycle. In such instances use of a coalescing exhaust silencer should be considered.

OTHER PRODUCTS FOR SAFE SYSTEMS

Other air line products that can help create

safe pneumatic systems

- » Preset pressure regulators
- » Lockable shut-off valves
- » Tamper resistant kits



OLYMPIAN PLUS PLUG-IN SYSTEM

Pressure regulators

R64G, R68G - G1/4 ... G1 1/2



R64G



R68G

Diaphragm and balanced valve design ensure good regulation characteristics

Non-rising adjusting knob has snap-action lock

Standard options include non relieving models and alternative pressure ranges

TECHNICAL DATA

Medium:

Compressed air only

Maximum inlet pressure:

17 bar (R64G)

20 bar (R68G)

Gauge ports:

Rc1/8

Ambient temperature:

-20°C ... +80°C

Consult our Technical Service for use below +2°C

Pressure range:

R64G: 0,3...17 bar

R68G: 0,4...17 bar

MATERIALS

R64

Body & yoke: zinc alloy

Bonnet: aluminium

Elastomers: synthetic rubber

R68G

Body, bonnet & yoke: aluminium

Adjusting knob: acetal resin

Optional T-bar adjusting screw: steel

Elastomers: synthetic rubber

R64G

MODELS				ACCESSORIES				SERVICE KIT	
Port size	Flow* (dm³/s)	kg		Wall mounting bracket	Gauge 0 10 bar	3/2 Shut-off valve**	Silencer (shut-off valve)	Tamper resistant kit	
	G1/4	35	1,54						
	G3/8	80	1,52						
	G1/2	120	1,49						
	G3/4	120	1,85						

*Typical flow with 10 bar inlet pressure, 6.3 bar set pressure 1 bar drop from set. For replacement regulator (without yoke) substitute 'N' at the 5th and 6th digits eg: R64G-NNK-RMN.

** Threaded exhaust port.

R68G

MODELS				ACCESSORIES				SERVICE KIT	
Port size	Flow* (dm³/s)	kg		Wall mounting bracket	Gauge 0 10 bar	3/2 Shut-off valve**	Silencer (shut-off valve)	Tamper resistant kit	
	G3/4	150	1,95						
	G1	180	1,89						
	G1 1/4	180	1,93						
	G1 1/2	180	1,97						

*Typical flow with 10 bar inlet pressure, 6.3 bar set pressure 1 bar drop from set. For replacement regulator (without yoke) substitute 'N' at the 5th and 6th digits eg: R68G-NNK-RLN.

** Threaded exhaust port.

For further information



www.norgren.com/info/en6-076

OPTIONS SELECTOR

Port size	Substitute
1/4	2
3/8	3
1/2	4
3/4	6

Threads	Substitute
PTF	A
ISO Rc taper	B
ISO G parallel	G

Adjustment	Substitute
Knob	K
T-bar	T

R64G-★ ★ ★ - ★ ★ ★

Gauge	Substitute
With	G
Without	N

Outlet pressure adjustment range*	Substitute
0,3 ... 4 bar	F
0,3 ... 10 bar	M
0,7 ... 17 bar	S**

Diaphragm	Substitute
Relieving	R
Non relieving	N

* Can be adjusted to pressures in excess of, and less than, those specified. Do not use these units to control pressures outside of the specified ranges.

** Units with 17 bar outlet pressure range are available only with the T-bar adjustment; therefore substitute T at the 7th digit and S at the 9th position.

Port size	Substitute
3/4	6
1	8
1 1/4	A
1 1/2	B

Threads	Substitute
PTF	A
ISO Rc taper	B
ISO G parallel	G

Adjustment	Substitute
Knob	K
T-bar	T

R68G-★ ★ ★ - ★ ★ ★

Gauge	Substitute
With	G
Without	N

Outlet pressure adjustment range*	Substitute
0,3 ... 4 bar	F
0,4 ... 8 bar	L
0,7 ... 17 bar	S**

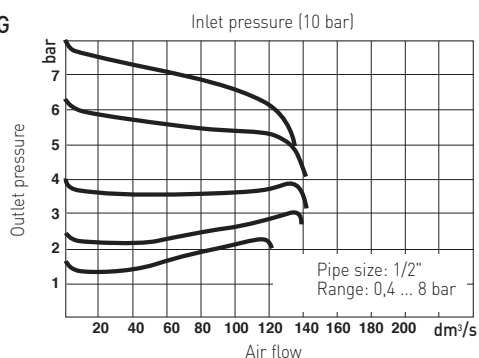
Diaphragm	Substitute
Relieving	R
Non relieving	N

* Can be adjusted to pressures in excess of, and less than, those specified. Do not use these units to control pressures outside of the specified ranges.

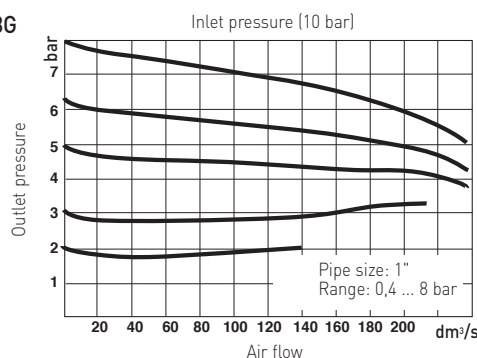
** Units with 17 bar outlet pressure range are available only with the T-bar adjustment; therefore substitute T at the 7th digit and S at the 9th position.

FLOW CHARACTERISTICS

R64G

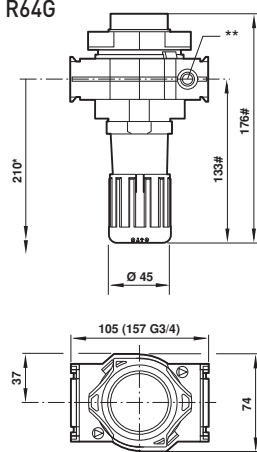


R68G

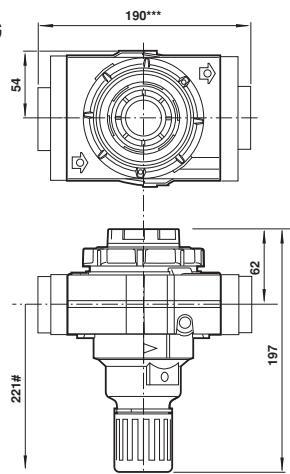


DIMENSIONS

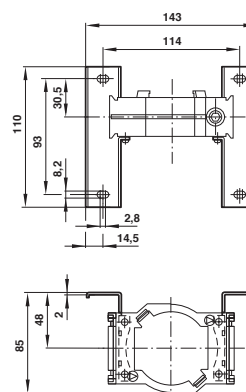
R64G



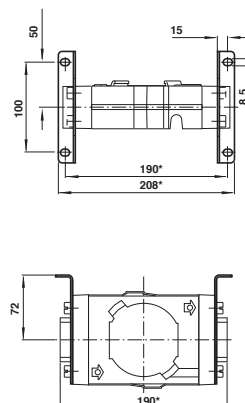
R68G



Bracket mounting (R64G)



Bracket mounting (R68G)



* Minimum clearance required to remove unit from yoke
Reduces by 4 mm with knob in locked position

Minimum clearance required to remove unit from yoke
*** For 1 1/4" and 1 1/2" ported yokes add 10 mm
Panel mounting hole Ø: 52 mm
Panel thickness: 0 ... 6 mm

OLYMPIAN PLUS PLUG-IN SYSTEM

Lubricators

L64, L68 - G1/4 ... G1 1/2



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

TECHNICAL DATA

Medium:
Compressed air only
Maximum inlet pressure:
17 bar
Start point:
L64: 1,5 dm³/s
L68: 6 dm³/s
Bowl capacity (litre):
L64: 0,2
L68: 0,5

Ambient temperature:

-20°C ... +80°C

Consult our Technical Service for use below +2°C

MATERIALS

L64

Body & yoke: zinc alloy
Sight dome: transparent nylon
Elastomers: synthetic rubber

L68

Bowl (0,5 litre), body & yoke: aluminium
Sight dome: transparent nylon
Elastomers: synthetic rubber

L64

MODELS			ACCESSORIES			SERVICE KIT	
Port size	Flow* (dm³/s)	kg	Wall mounting bracket	3/2 Shut-off valve**	Silencer (shut-off valve)		
							
G1/4	25	1,42	L64M-2GP-EDN	74504-50	T64T-2GB-P1N	T40B1800	L64M-KIT
G3/8	62	1,40	L64M-3GP-EDN	74504-50	T64T-3GB-P1N	T40B1800	L64M-KIT
G1/2	72	1,37	L64M-4GP-EDN	74504-50	T64T-4GB-P1N	T40B1800	L64M-KIT
G3/4	72	1,73	L64M-6GP-EDN	74504-50	T64T-6GB-P1N	T40B1800	L64M-KIT

*Typical flow with 6.3 bar inlet, 0.5 bar pressure drop. To order a basic unit without yoke substitute 'N' at the 5th and 6th letters respectively e.g. L64M-NNP-EDN. Models listed are Micro-fog. For Oil-fog models, including kits, replace 'M' at the 4th digit by 'C' e.g. L64C-4GP-EDN ** Threaded exhaust port.

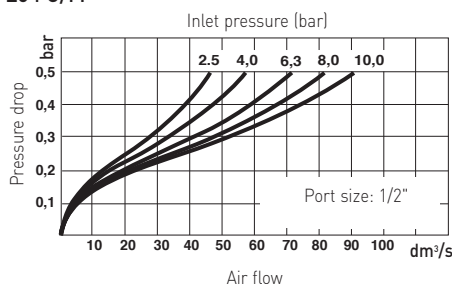
L68

MODELS				ACCESSORIES			SERVICE KIT	
	Port size	Flow* (dm³/s)	kg		Wall mounting bracket	3/2 Shut-off valve**	Silencer (shut-off valve)	
								
	G3/4	200	2,10	L68M-6GP-ERN	18-001-979	T68H-6GB-B2N	T40B2800	L68M-KIT
	G1	200	2,04	L68M-8GP-ERN	18-001-979	T68H-8GB-B2N	T40B2800	L68M-KIT
	G1 1/4	200	2,08	L68M-AGP-ERN	18-001-978	T68H-AGB-B2N	T40B2800	L68M-KIT
	G1 1/2	200	2,12	L68M-BGP-ERN	-	T68H-BGB-B2N	T40B2800	L68M-KIT

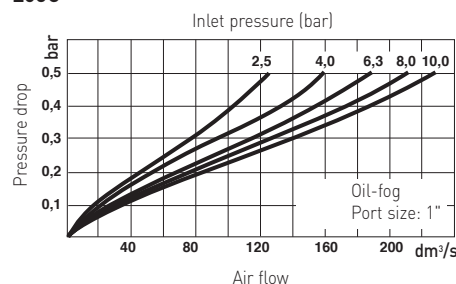
*Typical flow with 6.3 bar inlet, 0.5 bar pressure drop. To order a basic unit without yoke substitute 'N' at the 5th and 6th letters respectively e.g. L68M-NNP-EDN. Models listed are Micro-fog. For Oil-fog models, including kits, replace 'M' at the 4th digit by 'C' e.g. L68C-4GP-EDN ** Threaded exhaust port.

FLOW CHARACTERISTICS

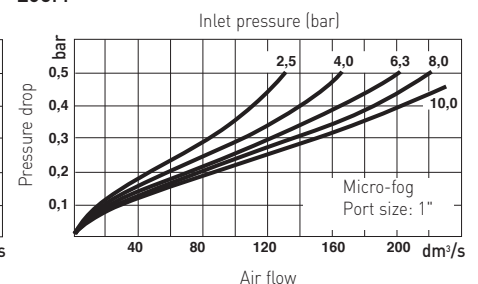
L64 C/M*



L68C*



L68M*



* Not fixed venturi version. Please contact Norgren Technical for fixed venturi information

For further information



www.norgren.com/info/en6-078

OPTIONS SELECTOR

Type	Substitute
Oil-fog	C
Micro-fog	M
Port size	Substitute
1/4"	2
3/8"	3
1/2"	4
3/4"	6
Threads	Substitute
PTF	A
ISO Rc taper	B
ISO G parallel	G

L64★-★★P-E★★

Options	Substitute
None	N
Quick fill device	Q

Bowl	Substitute
Metal with liquid level indicator	D
Long metal bowl with liquid level indicator	A

Type	Substitute
Oil-fog	C
Micro-fog	M
Port size	Substitute
3/4"	6
1	8
1 1/4	A
1 1/2	B
Threads	Substitute
PTF	A
ISO Rc taper	B
ISO G parallel	G

L68★-★★P-★★★

Options	Substitute
None	N
Quick fill device	Q

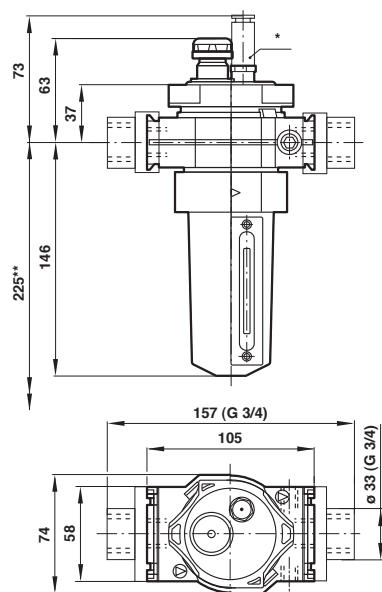
Bowl	Substitute
0,5 l with sight glass	R*
1 l with sight glass	U*

Drain	Substitute
Closed bottom bowl	E
Remote fill	R

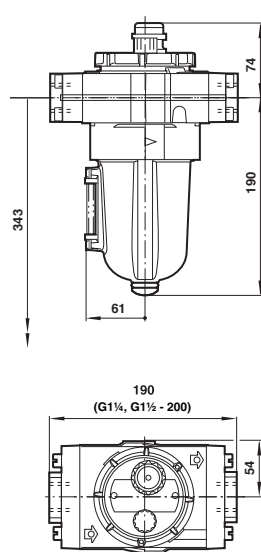
*Remote fill only available with 0,5 and 1 litre bowls

DIMENSIONS

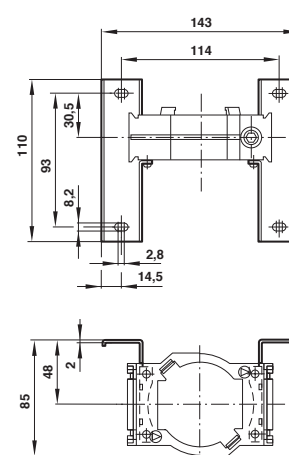
L64



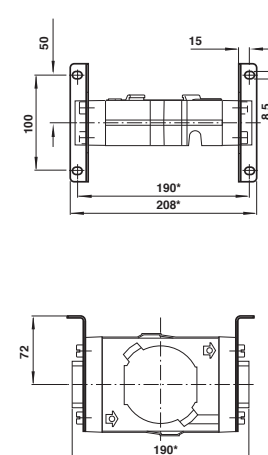
L68



Bracket mounting (L64)



Bracket mounting (L68)



*Optional quick fill device

** Minimum clearance required to remove bowl

Minimum clearance required to remove bowl

** For 1 1/4" and 1 1/2" ported yokes add 10 mm

OLYMPIAN PLUS PLUG-IN SYSTEM

Soft start/dump valves

P64F & P68F - G1/4 ... G1 1/2



P68F

P64F

Assists machine designers in complying with the European Machinery 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

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)

Consult our Technical Service for use below +2°C

Air pilot port:

P64F Rc1/4

P68F G1/4

Exhaust port:

P64F G1/2

P68F G1

Maximum flow:

P64F 57dm³/s

P68F 147dm³/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

P68F

Body & yoke: aluminium

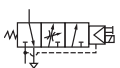
Intermediate body & top plate: aluminium

Elastomers: synthetic materials

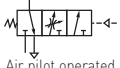
Filter discs: sintered plastic

Internal components: brass/steel

P64F

MODELS			ACCESSORIES				
Port size	Solenoid pilot operated	Air pilot operated	Wall mounting bracket	3/2 Shut-off valve*	Silencer (shut-off valve)	Silencer	Connector plug with cable gland
 Solenoid pilot operated  Air pilot operated	G1/4	P64F-2GC-PFN					
	G3/8	P64F-3GC-PFN					
	G1/2	P64F-4GC-PFN					
	G3/4	P64F-6GC-PFN					
		P64F-2GA-NNN	74504-50	T64T-2GB-P1N	T40B1800	MB004B	0657868000000000 Standard plug
			74504-50	T64T-3GB-P1N	T40B1800	MB004B	M/P24121/1 10 ... 50 V a.c./d.c.
			74504-50	T64T-4GB-P1N	T40B1800	MB004B	M/P24121/2 70 ... 110 V a.c.
			74504-50	T64T-6GB-P1N	T40B1800	MB004B	

P68F

MODELS			ACCESSORIES				
Port size	Solenoid pilot operated	Air pilot operated	Wall mounting bracket	3/2 Shut-off valve*	Silencer (shut-off valve)	Silencer	Connector plug with cable gland
 Solenoid pilot operated  Air pilot operated	G3/4	P68F-6GH-NPN					
	G1	P68F-8GH-NPN					
	G1 1/4	P68F-AGH-NPN					
	G1 1/2	P68F-BGH-NPN					
		P68F-6GB-NNN	18-001-979	T68H-6GB-B2N	T40B2800	MB008B	M/P24120/1 10 ... 50 V a.c./d.c.
		P68F-8GB-NNN	18-001-979	T68H-8GB-B2N	T40B2800	MB008B	M/P24120/2 70 ... 115 V a.c./d.c.
		P68F-AGB-NNN	18-001-978	T68H-AGB-B2N	T40B2800	MB008B	M/P15737
		P68F-BGB-NNN		T68H-BGB-B2N	T40B2800	MB008B	

*Threaded exhaust port.

Solenoid operated models are supplied with 24 V d.c. solenoids but without connector plugs. To select alternative voltages and other options refer to the Options selector below.

For replacement soft start/dump valve, without yoke substitute 'NN' at 5th and 6th digit eg. P64F-NNC-PFN.

For replacement soft start/dump valve without yoke substitute 'N' at 5th digit, e.g. P68F-NGH-NPN

P68F models supplied with manual lockout as standard.

For further information



www.norgren.com/info/en6-080

OPTIONS SELECTOR

Series	Substitute
64	4
68	8

Port size	Substitute
1/4*	2
3/8*	3
1/2*	4
3/4	6
1**	8
1 1/4**	A
1 1/2**	B

* 64 series only ** 68 series only

Threads	Substitute
PTF	A
ISO Rc taper	B
ISO G parallel	G

P6★F-★-★-★-★-★

Connectors	Substitute
3 pin plug with cable gland, no indicator	A
Without	N

P64F (22 mm solenoid)

Coil voltage	Nominal power rating	Substitute
24 V d.c.	2 W	F
12 V d.c.	2 W	E
6 V d.c.	2 W	D
220/240 V, 50/60 Hz	4/2,5 V A	B
110/120 V, 50/60 Hz	4/2,5 V A	A
No coil	-	Z
No solenoid	-	N

P68F (32 mm solenoid)

Coil voltage	Nominal power rating	Substitute
24 V d.c.	4,5 W	P
12 V d.c.	4,5 W	Q
6 V d.c.	4,5 W	M
220/240 V, 50/60 Hz	14/10 V A	K
110/120 V, 50/60 Hz	14/10 V A	J
No solenoid	-	N

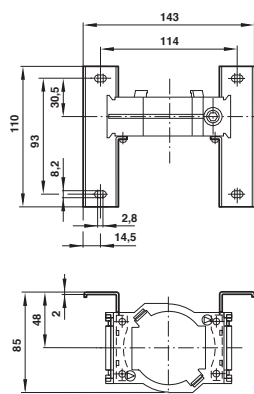
Solenoid manual operator	Substitute
Shrouded push button	P
None	N

Operator	Substitute
Air pilot	A
Air pilot with manual lockout	B
22 mm miniature solenoid	C
22 mm miniature solenoid with manual lockout	D
32 mm solenoid	G*
32 mm solenoid with manual lockout	H*
CNOMO solenoid	L
CNOMO solenoid with manual lockout	M
Direct ported bottom plate	N*

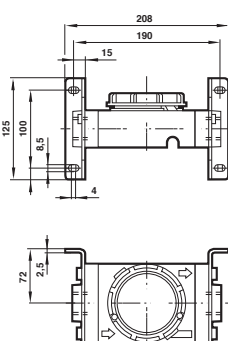
*P68F only

DIMENSIONS

Bracket mounting (P64F)

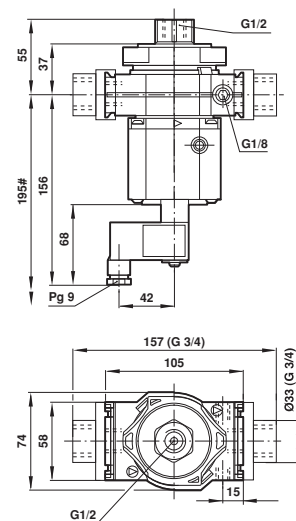


Bracket mounting (P68F)



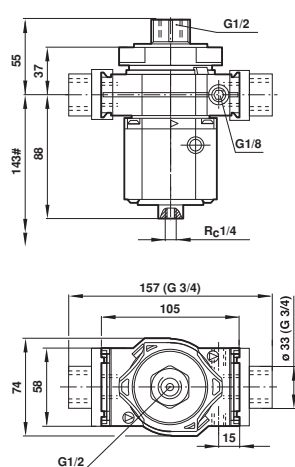
P64F

Solenoid operated



* Gauge port Rc1/8
Minimum clearance to remove unit.

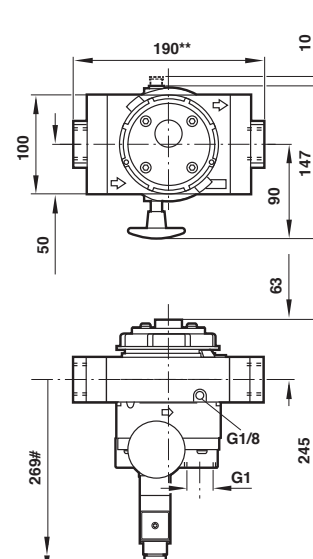
Air pilot operated



* Gauge port Rc1/8
Minimum clearance to remove unit.

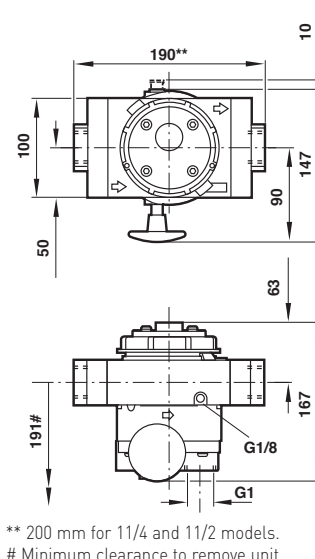
P68F

Solenoid operated plus manual shut-off with lockout



** 200 mm for 1 1/4 and 1 1/2 models.
Minimum clearance to remove unit.

Air pilot operated plus manual shut-off with lockout



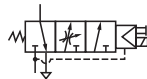
** 200 mm for 1 1/4 and 1 1/2 models.
Minimum clearance to remove unit.

OLYMPIAN PLUS PLUG-IN SYSTEM

Soft start monitored dump valve

P64S - G1/4, G3/4

P64S



Complete air processing units
Olympian Plus plug in design or
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

Fluid:

Compressed air

Maximum pressure:

16 bar

Minimum operating pressure:

3 bar

Operating temperature:

-20°C ... 50°C

(Solenoid rating max is 50°C whilst unit max is
80°C. Consult our technical service below +2°C)

Gauge Ports:

Rc1/8

Exhaust ports:

ISO G1/2 with ISO G and Rc main
ports, 1/2" PTF with PTF main
ports

Typical flow with 6,3 bar inlet
pressure and outlet pressure
drop of 0,5 var

57dm³/s (P1 ... P2 = Cv 4,2) (P2 ...
P3 Cv = 5,6)

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

Elastomers: synthetic materials

Filter discs: sintered plastic

Internal components: brass /
steel / stainless steel

Top plate: aluminium

Exhaust Bonnet: zinc alloy

Yoke: zinc alloy

OPTIONS SELECTOR

P64S-★★C-N1N

Port size	Substitute
1/4"	2
3/8"	3
1/2"	4
3/4"	6

Thread Type	Substitute
PTF	A
ISO Rc Parallel	B
ISO G Parallel	G
No Yoke	N

ACCESSORIES

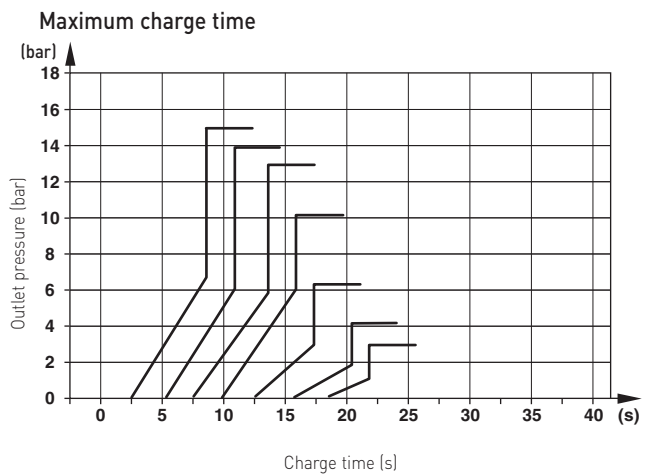
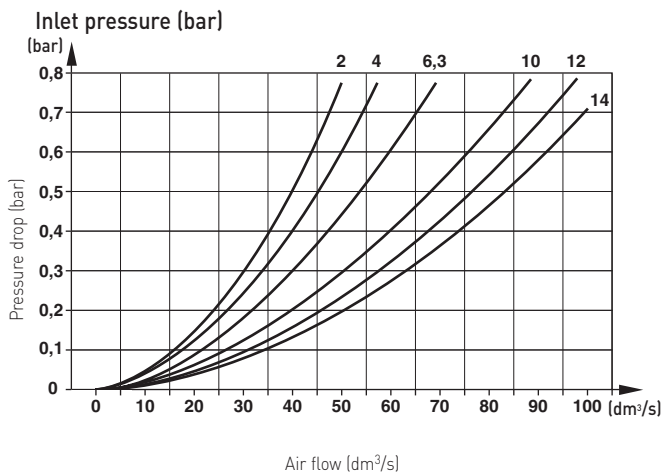
Series	Wall mounting bracket	Silencer	Gauge 4 ... 25 bar
P64S	 74504-50	 MB004B (R1/2) MB004A (1/2NPT)	 18-013-012 (4 bar) 18-013-013 (10 bar) 18-013-014 (25 bar)

For further information



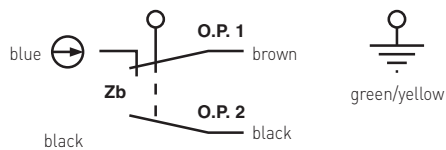
www.norgren.com/info/en6-082

FLOW CHARACTERISTICS



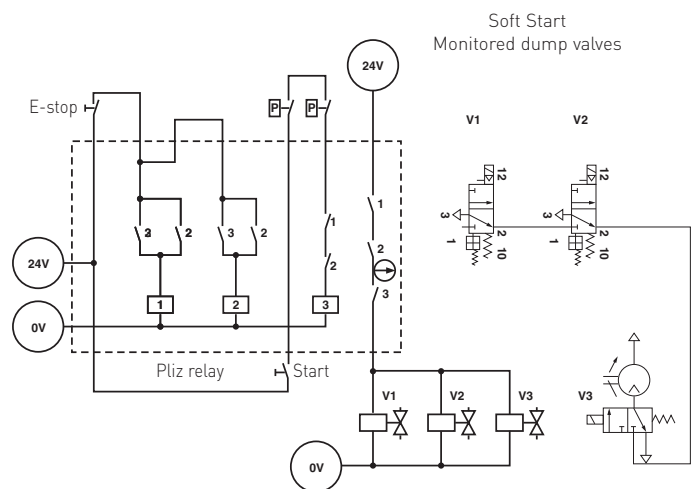
SWITCH DETAILS

All electrical connections to be made by a competent licensed electrician
Break - before - Make contact
1 Normally Open / 1 Normally Closed

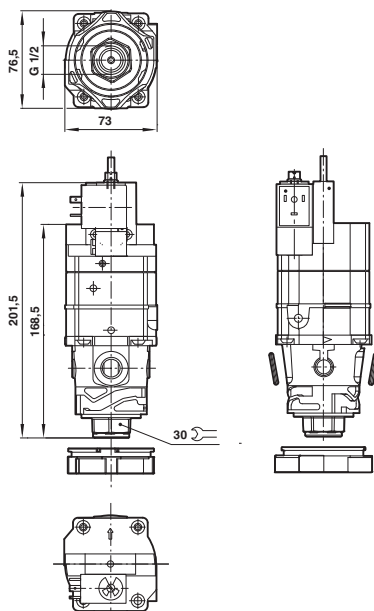


PILZ RELAY

To assist in compliance with the Machinery Directive 89/392/EEC a Pilz circuit should be used.
This requires 2 units.



DIMENSIONS



T-LOCKOUT

3/2 Spool valve

CR14 - G1/4 ... G1 1/4

CR14



Fully isolates supply pressure
Lockable
Rapid exhaust
Ideal for isolating supply lines during maintenance and servicing
High flow

TECHNICAL DATA

Medium:

Compressed air, filtered, lubricated and non-lubricated

Operation:

Spool valve, manually actuated

Port size:

G1/4 ... G1 1/4

Operating pressure:

20 bar maximum

Flow:

Refer to tables overleaf

Operating temperature:

-30°C ... +80°C

Consult our Technical Service for use below +2°C

MATERIALS

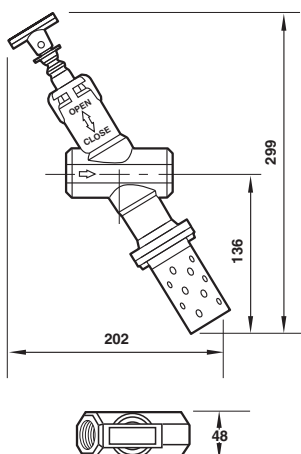
Aluminium body, spool, T-handle and silencer, stainless steel detent spring, nitrile seals

	Basic size	Port size	Flow in-out (Cv)	Flow out-exhaust (Cv)	MODELS	SPARE KIT
	1/2"	G1/4	4,2	6,0	CR143A	53474-43
	1/2"	G3/8	6,6	6,6	CR143B	53474-43
	1/2"	G1/2	9,3	7,9	CR143C	53474-43
	1/2"	G3/4	12,6	8,6	CR143D	53474-43
	1"	G3/4	10,6	8,0	CR144A	53475-34
	1"	G1	16,2	9,2	CR144B	53475-34
	1"	G1 1/4	25,3	8,9	CR144C	53475-34

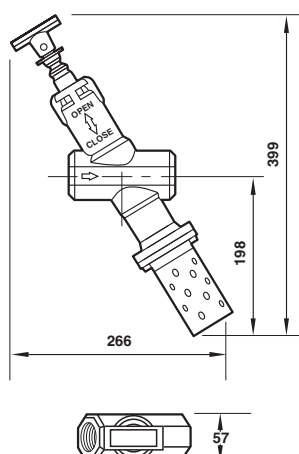


DIMENSIONS

1/2" Basic



1" Basic



For further information



www.norgren.com/info/en6-084

COMPRESSED AIR SYSTEMS FREE OF MOISTURE WITH NORGREN MEMBRANE DRYERS

General purpose and oil removal filters (coalescing and adsorption) will satisfactorily remove liquid water, solid impurities, liquid oil, oil aerosols and vapors, but are not able to remove water vapor. Moisture-laden air is not compatible with a clean and efficient system.

Norgren membrane dryers can provide dew point suppression up to 44°C below ambient temperature and is available with nominal flows of 1, 2.4, 4.75, 9.75 and 14.2 dm³/s.



- » Low installation cost
- » Low operational cost
- » Compact
- » Maintenance free
- » Easy to install
- » Suitable for hazardous environments



APPLICATIONS

Air bearings, air logic circuits, air brushing, air operated pumps, analytical instrumentation, dry powder coating, electronic chip testing, environmental chambers, explosion-proof areas, graphic printing, laboratory equipment, materials handling equipment, painting, pollution instrumentation, precision machinery, robotic equipment, spectrometers, etc.

W07M

Nominal flow (dm³/s)
- Outlet: 1,00
- Inlet: 1,06

W72M

Nominal flow (dm³/s)
- Outlet: 2,40 / 4,75
- Inlet: 2,65 / 5,27

W74M

Nominal flow (dm³/s)
- Outlet: 14,20
- Inlet: 15,76

OLYMPIAN PLUS PLUG-IN SYSTEM

Pressure relief valves

V64H, V68H - G1/4 ... G1 1/2



V64H



V68H

Olympian relief valves protect compressed air systems from over-pressurisation

High relief capacity, sensitive and accurate

Threaded relief port for silencer or piped exhaust

Norgren pressure relief valves comply with category O(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:

G1/2 (V64H), G1 (V68H)

Ambient temperature:

-20°C ... +80°C

Consult our Technical Service for use below +2°C

Relief pressure adjustment

range:

0,3 ... 17 bar

MATERIALS

V64H

Body, bonnet & yoke: zinc alloy

Bottom plug: aluminium

Adjusting screw: steel

Elastomers: synthetic rubber

V68H

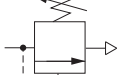
Body, intermediate body, bonnet,

bottom plug & yoke: aluminium

Adjusting screw: steel

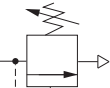
Elastomers: synthetic rubber

V64H

MODELS			ACCESSORIES						SERVICE KIT	
Port size	kg		Wall mounting bracket	Tamper resistant kit	Gauge 0 ... 10 bar	Silencer	3/2 Shut-off valve*	Silencer (shut-off valve)		
	G1/4	1,68								
	V64H-2GD-RMN	74504-50	1581-90	18-013-013	MB004B	T64T-2GB-P1N	T40B1800	V64H-KIT		
	G3/8	1,66	V64H-3GD-RMN	74504-50	1581-90	18-013-013	MB004B	T64T-3GB-P1N	T40B1800	V64H-KIT
	G1/2	1,63	V64H-4GD-RMN	74504-50	1581-90	18-013-013	MB004B	T64T-4GB-P1N	T40B1800	V64H-KIT
	G3/4	1,99	V64H-6GD-RMN	74504-50	1581-90	18-013-013	MB004B	T64T-6GB-P1N	T40B1800	V64H-KIT

* Threaded exhaust port

V68H

MODELS			ACCESSORIES					SERVICE KIT	
Port size	kg		Wall mounting bracket	Tamper resistant kit	Gauge 0 ... 10 bar	Silencer	3/2 Shut-off valve*	Silencer (shut-off valve)	
									
G3/4	2,21	V68H-6GD-RMN	18-001-979	1581-90	18-013-013	MB008B	T68H-6GB-B2N	T40B2800	V68H-KIT
G1	2,20	V68H-8GD-RMN	18-001-979	1581-90	18-013-013	MB008B	T68H-8GB-B2N	T40B2800	V68H-KIT
G1 1/4	2,22	V68H-AGD-RMN	18-001-979	1581-90	18-013-013	MB008B	T68H-AGB-B2N	T40B2800	V68H-KIT
G1 1/2	2,26	V68H-BGD-RMN		1581-90	18-013-013	MB008B	T68H-BGB-B2N	T40B2800	V68H-KIT

* Threaded exhaust port

For further information



www.norgren.com/info/en6-086

