

Excelon® Pro
General purpose filter/regulator
 ø 6 ... 12 mm, G 1/8 ... G 3/8

Selected options provides ease of ordering

Configuration flexibility

Excellent value

No tools required for assembly

RoHS compliant



Technical data

Medium:

Compressed air

Operating pressure:

Manual drain: 12 bar max.

Automatic drain: 10 bar max.

Ambient temperature:

-20°C* to +52°C

* Consult our Technical Service for use below +2°C

Element:

5 µm

Outlet pressure adjustment range:

0,3 to 10 bar

Flow:

16 dm³/s (960 l/min) max.

(port size G 1/4, inlet pressure 10 bar,

outlet pressure 6,3 bar, Δp = 1 bar, element 5 µm)

Drain:

Automatic drain operating conditions (float operated):

Bowl pressure required to close drain: > 0,3 bar

Bowl pressure required to open drain: ≤ 0,2 bar

Minimum air flow required to close drain: 0,1 dm³/s (6 l/min)

Manual operation: depress pin inside drain outlet to drain bowl.

Materials:

Body: PBT

Bonnet: PBT

Valve elastomer: Geolast

Diaphragm: Nitrile

Transparent bowl: Polycarbonate

Element: Polypropylene

Internal parts: Acetal

Gauge: Brass body, plastic face

Elastomers: Bowl O-ring - Neoprene

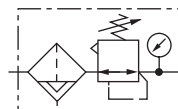
All others - Nitrile

Ordering information

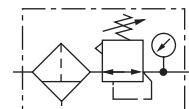
See page 2

Alternative models

Products shown flow from left to right, for applications requiring right to left flow - please contact Norgren



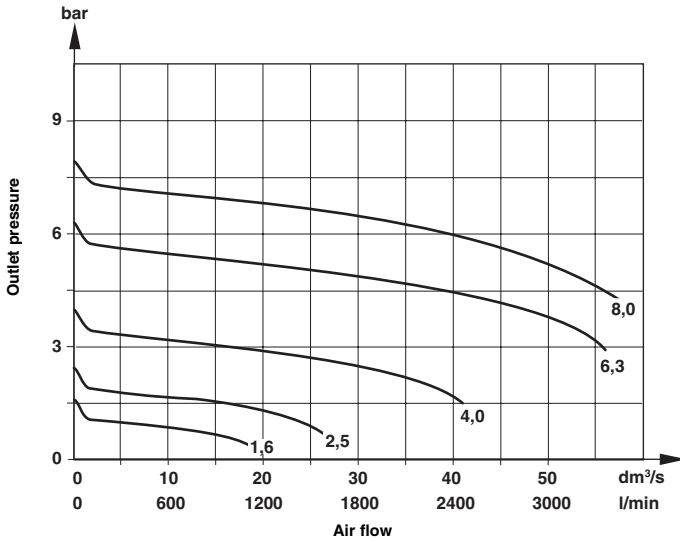
Automatic drain,
relieving



Manual drain,
relieving

Flow characteristics

Inlet pressure: 10 bar, filter element: 5 µm
 Port size: G1/4



Standard models

Port Size	Model		Flow dm³/s *1)	Weight kg
G 1/4	B92G-2GK-QT1-RMG	Manual	16 (960 l/min)	0,18
G 1/4	B92G-2GK-AT1-RMG	Automatic	16 (960 l/min)	0,18

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

Ordering example

Filter/regulator - G 1/4 with mounting bracket, knob adjustment, automatic drain, transparent bowl, 5 µm element, relieving diaphragm, 0,3 to 10 bar outlet pressure adjustment range with gauge.

Quote: B92G-2GK-AT1-RMG

Options selector

B92G-★★K-★T1-RMG

Connector with mounting bracket	Substitute
6 mm Push-In fitting	6D
8 mm Push-In fitting	8D
10 mm Push-In fitting	AD
12 mm Push-In fitting	BD
G 1/8	1G
G 1/4	2G
G 3/8	3G
Connector without mounting bracket	Substitute
G 1/4	2V
Connector	Substitute
Without	NN

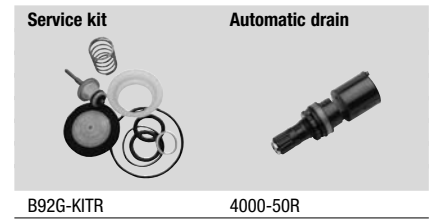
Drain	Substitute
Manual	Q
Automatic	A

Accessories

	Push-in fitting connector with mounting bracket	Threaded connector with mounting bracket	Threaded connector without mounting bracket
Port size	1	2	3
G1/8	-	9212KIT-1G	-
G1/4	-	9212KIT-2G	9211KIT-2V
G3/8	-	9212KIT-3G	-
ø 6 mm	9213KIT-6D	-	-
ø 8 mm	9213KIT-8D	-	-
ø 10 mm	9213KIT-AD	-	-
ø 12 mm	9213KIT-BD	-	-

Wall mounting	Quick connector	Porting block Plugs not included	Lockout/shut-off valve with exhaust port	Locking plate	Locking plate	Silencer for shut-off valve
10	4	5	6	7	8	9
74316-02	9210-50	9216-51	T92T-NN-B1N	9236-88/X10 (quantity 10)	9236-89/X10 (quantity 10)	T40M0500

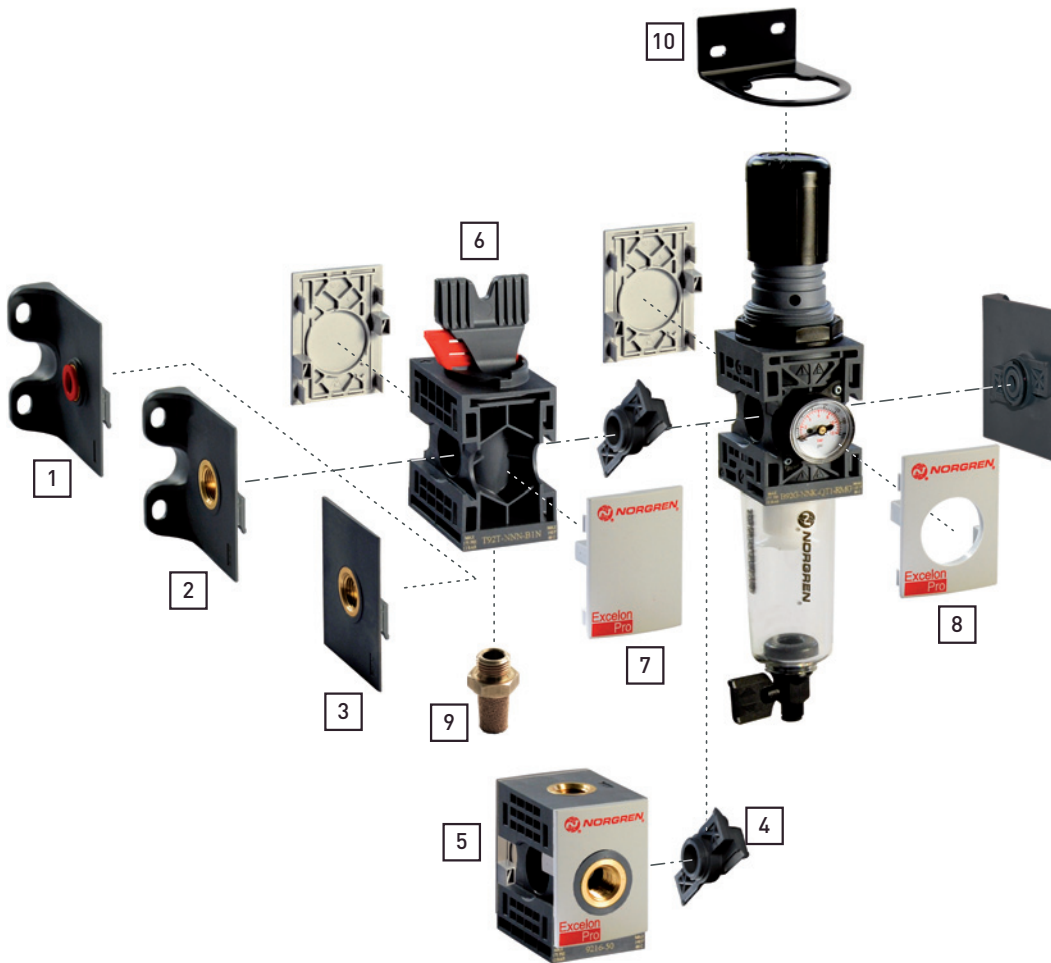
Service kit



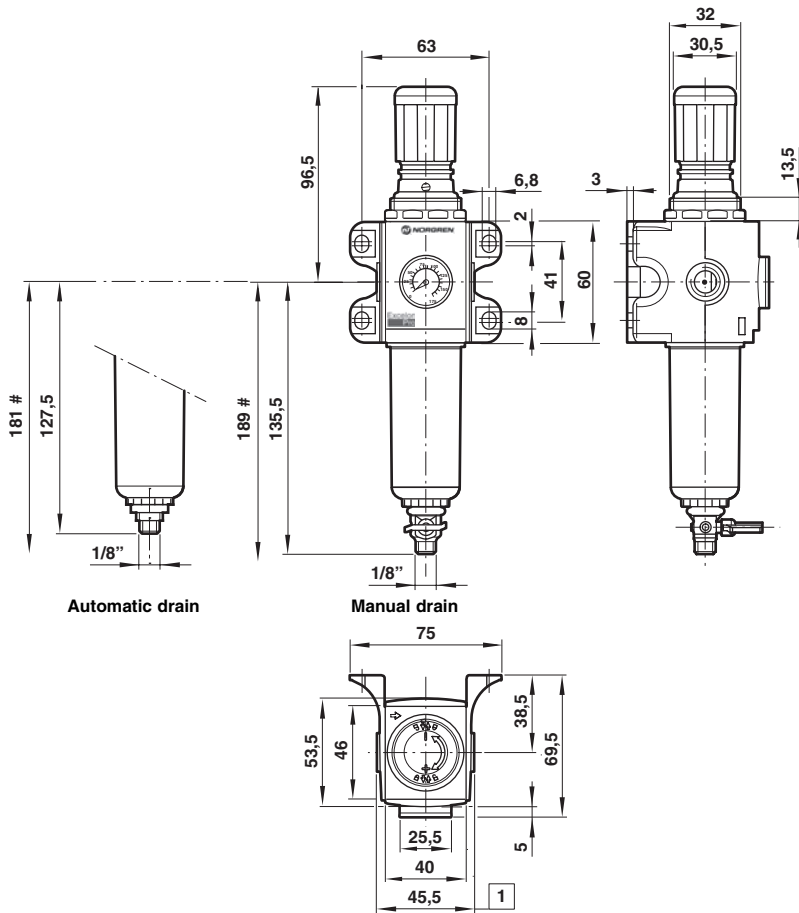
B92G-KITR

4000-50R

Warning
Locking plates **MUST** be in place before pressurizing any Excelon Pro unit.

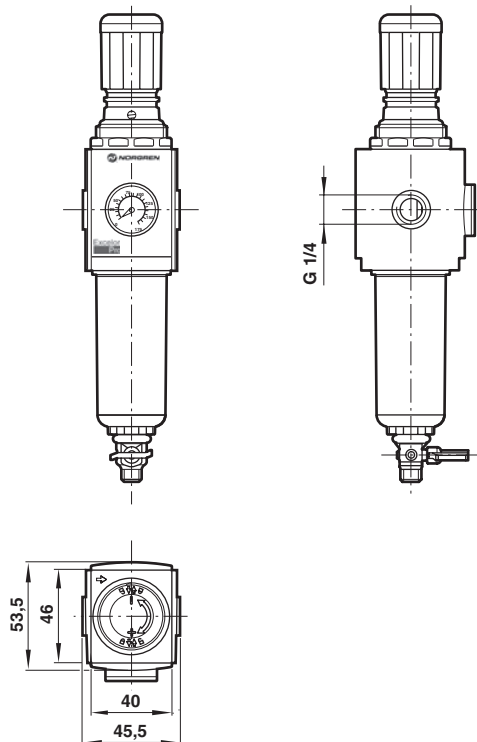


Filter/regulator with wall mounting bracket

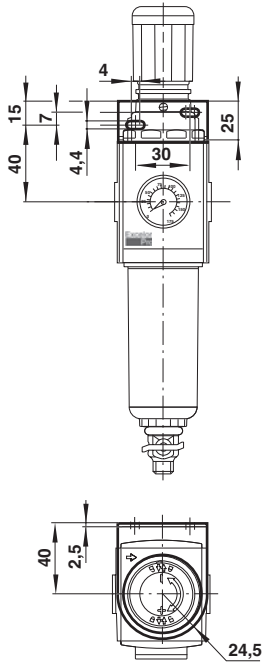


#	Minimum clearance required to remove bowl
1	Connector Dimensions 1/8" and 1/4" threaded connectors shown. See below for port-to-port dimensions for additional connectors.
	PIF Connector
	6 mm, 8 mm
	10 mm, 12 mm
	Threaded connector
	1/8", 1/4"
	3/8"
	Port-to-port
	60
	62
	45,5
	76

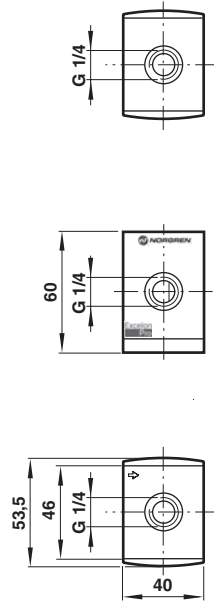
Filter/regulator without mounting bracket, G 1/4 port size



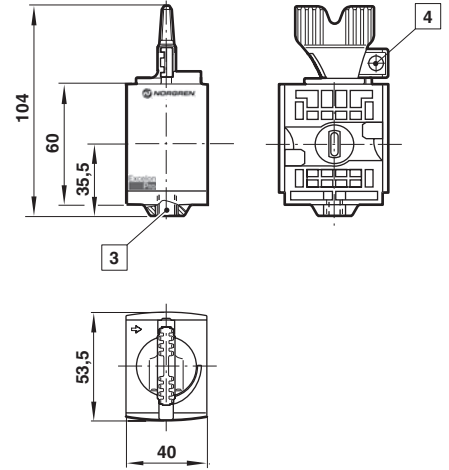
Wall mounting



Porting block



Lockable/shut off valve



- 3** M5 exhaust port
- 4** Lever lockable only in closed position. Standard clip accepts ø 7 mm shackle.

Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under **'Technical Data'**.

Before using these products with fluids other than those specified, for non-industrial applications, life-support systems, or other applications not within published specifications, consult NORGREN.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.

System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.

System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.