

- > Port size: 3/8" ... 3/4" (ISO G/PTF)
- > 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 features**

Medium:

Compressed air only

Maximum supply pressure:

20 bar (290 psi)

Outlet pressure ranges:

0,3 ...10 bar (4 ... 145 psi), 0,3 ... 4 bar (4 ... 58 psi) optional,

0,7 ... 17 bar (10 ... 247 psi) optional

Gauge:

Integrated as standard Gauge port 1/8 as option

#### Port size:

G3/8, G1/2, G3/4, 3/8 PTF, 1/2 PTF, 3/4 PTF

Diaphragm Type:

Relieving

Flow:

125 dm<sup>3</sup>/s

at port size: 1/2",

inlet pressure 10 bar (145 psi),

6,3 bar (91 psi) set pressure and a Δp: 1 bar (14,5 psi) droop from set.

## Ambient/Media temperature:

-20 ... +65°C (-4 ... +149°F) Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

#### Materials:

Body: Die cast aluminium Body covers: ABS Bonnet: POM/Aluminium Valve: PP

Elastomers: NBR

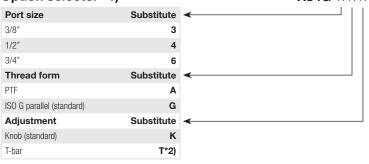
#### Technical data R84G - standard models

Symbol	Port size	Pressure range (bar)	Adjustment	Integrated gauge (bar)	Weight (kg)	Model*)
	G3/8	0,3 10	Knob	0 10	0,59	R84G-3GK-RMG
	G1/2	0,3 10	Knob	0 10	0,59	R84G-4GK-RMG
	G3/4	0,3 10	Knob	0 10	0,59	R84G-6GK-RMG

<sup>\*)</sup> 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 IMI Norgren

# **Option selector \*1)**



\*1) All models shown here are applicable for

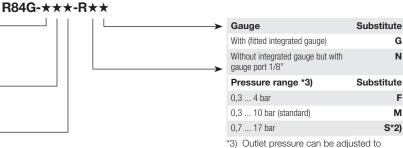
flow direction left to right. With flow direction right to left please use the online configurator

www.imi-precision.com/air-preparation-configurator

or contact IMI Norgren

\*2) Units with 17 bar outlet pressure range are available only with the T-bar adjustment; therefore substitute T at the 7th position and S at the 9th position.

T-bar handle only available with 17 bar option.



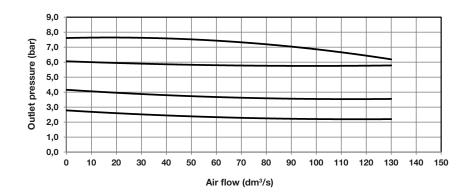
pressures in excess of, and less than. those specified. Do not use these units to control pressures outside of the specified ranges.



## Flow characteristics

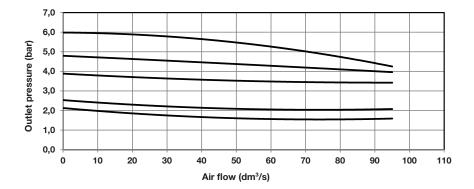
Inlet pressure: 10 bar (145 psi)

Port size: 1/2"



Inlet pressure: 7 bar (101 psi)

Port size: 1/2"





#### **Accessories**









- \*1) Flanged version. For other pressure ranges, please see data sheet 5.11.001
- \*2) For other pressure ranges, please see data sheet 5.11.385

# **Port Adaptors**

Page 6	
3/8 PTF	840015-02KIT
1/2 PTF	840015-03KIT
3/4 PTF	840015-04KIT
G3/8	840015-10KIT
G1/2	840015-11KIT
G3/4	840015-12KIT

**Gauges** (For regulators with gauge port instead of integrated port )

Center back connection, white face (for full technical specification see datasheet 8.900.900)



Pressure range									
(bar) *3)	(MPa)	(psi)	ø	Thread size	Model				
0 6	0 0,6	0 84	50 mm	R1/8	18-015-012				
0 10	0 1	0 145	50 mm	R1/8	18-015-013				
0 25	0 2,5	0 362	50 mm	R1/8	18-015-014				
*0\									

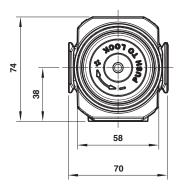
\*3) primary scale

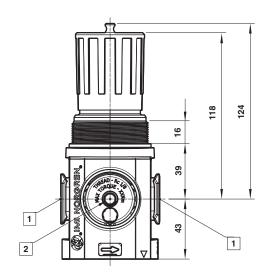
#### Service kits





## **Dimensions**

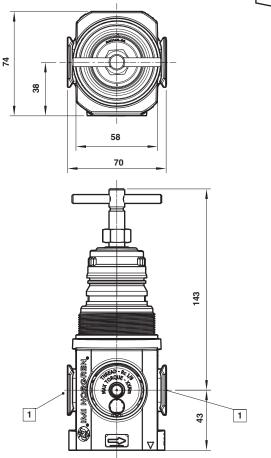




Dimensions in mm Projection/Third angle



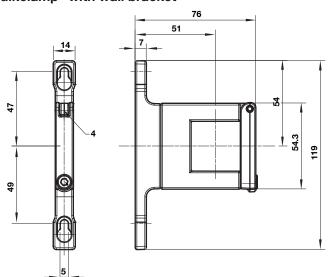




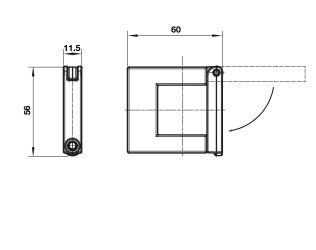
- 1 Main ports 3/8", 1/2" or 3/4" (ISO G/PTF)
- 2 Gauge Port Rc 1/8 for ISO G and 1/8 PTF for PTF main ports

# **Accessories**

# Quikclamp® with wall bracket

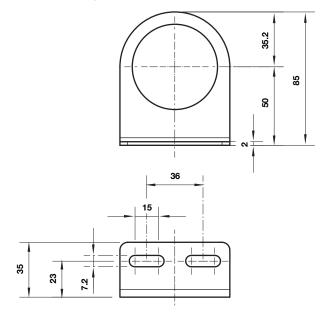


# Quikclamp®

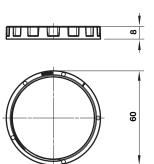




# **Neck mounting bracket**



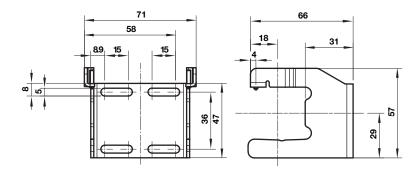
# Panel mounting nut



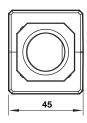
#### Dimensions in mm Projection/Third angle

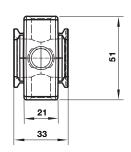


# **Mounting bracket**

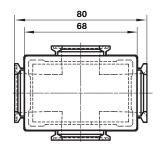


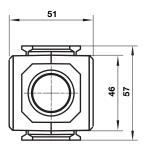
# Pressure sensing block





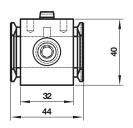
# Full flow porting block

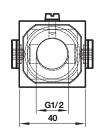






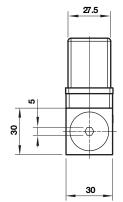
# Porting block for 18D pressure switch

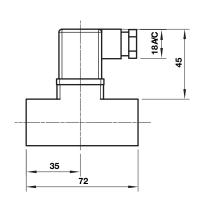




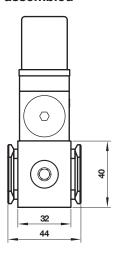
## 18D Pressure switch

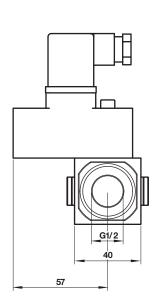




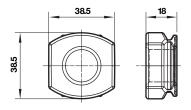


18D Porting block and 18D assembled





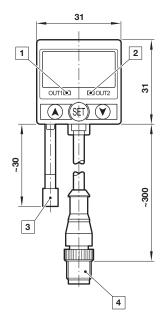
Pipe adaptor

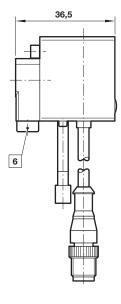


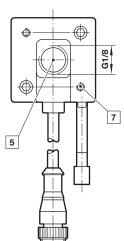
## 51D Pressure switch - digital

Dimensions in mm Projection/Third angle









- 1 Switch OUT 1, green LED
- 2 Switch OUT 2, red LED
- 3 Dustproof protector
- 4 Connector M12 x 1
- 5 Inlet port
- 6 Alternative inlet port G1/8 plugged
- 7 Thread for mounting screw

# 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 features/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

IMI Precision Engineering, Norgren Ltd.

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.