



- Port size: 1 1/2" & 2" (ISO G, PTF)
- > 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
- Accurate pressure regulation over a wide range of flows
- Can be used with conventional pilot regulator





Technical features

Medium:

Compressed air only

Operation pressure:

31 bar (450 psi) maximum

Pressure range:

Standard:

0,16 ... 17 bar (2.3 ... 246 psi) With pilot regulator:

0,3 ... 8,5 bar (4.3 ... 123 psi)

Typical flow:

See below

Main port size:

1 1/2" & 2"

Relieving port:

3/4 PTF with PTF main ports G1/4 with ISO G main ports

Gauge port:

1/4 PTF with PTF main ports Rc1/4 with ISO G main ports

Relieving:

Standard

Ambient/Media temperature:

-34 ... 80°C (-30 ... +175°F) Version with gauge: -34 ... +65°C (-30 ... +149°F) Air supply must be dry enough to avoid ice formation at temperatures

below +2°C (+35°F).

Materials:

Body & bonnet: Aluminum alloy Bottom plug: Acetal Valve: Aluminum and PA Elastomers: NBR

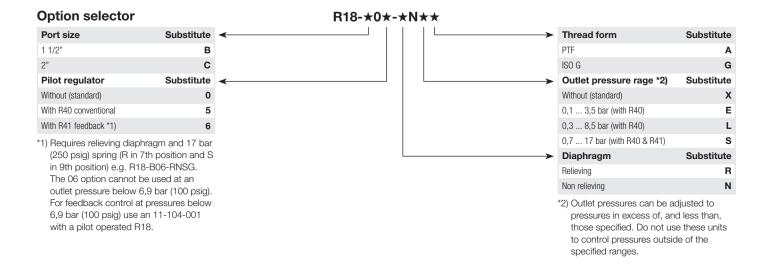
Technical data, standard models

Symbol	Port size	Flow *1)	Flow *1) Regulator		Outlet pressure range		Model
		(dm³/s)		(bar)	(psi)	(kg)	
	G1 1/2	944	_	0,16 17	2,32 247	3,09	R18-B00-RNXG
Ż	G2	944	_	0,16 17	2,32 247	2,99	R18-C00-RNXG
1							
il							
<i>≩</i> ~	G1 1/2	944	R40 included	0,3 8,5	4,35 123	3,85	R18-B05-RNLG
	G2	944	R40 included	0,3 8,5	4,35 123	3,75	R18-C05-RNLG
<u> </u>							
<i>≩</i> ~	G1 1/2	944	R41 included	0,3 8,5	4,35 123	3,85	R18-B06-RNSG
	G2	944	R41 included	0,3 8,5	4,35 123	3,75	R18-C06-RNSG
- 7							
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^{*1)} Typical flow with 7,0 bar (101 psi) inlet pressure, 6,3 bar (91 psi) set pressure and a 1 bar (14,5 psi)droop from set.







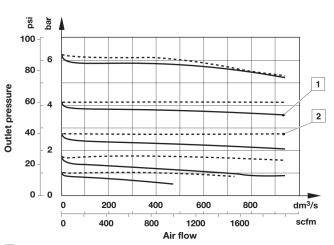




Flow characteristics

Port size: 2",

Inlet pressure: 6,9 bar, pilot spring range 0,3 ... 8,5 bar

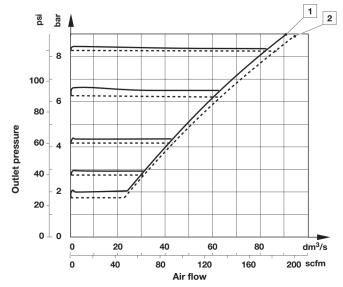


- 1 R18 with R40 conventional pilot
- 2 R18 with R41 feedback pilot

Relief characteristics

Port size: 2",

Inlet pressure: 10 bar



Accessories



Service kits



Gauge

Center back connection,

(for full technical specification see datasheet 8.900.900)



Pressure range							
bar *1)	Мра	psi	Ø	Thread size	Model		
0 1,6	0 0,16	0 23	50 mm	R1/8	18-013-010		
0 4	0 0,4	0 58	50 mm	R1/8	18-013-011		
0 6	0 0,6	0 87	50 mm	R1/8	18-013-012		
0 10	0 1	0 145	50 mm	R1/8	18-013-013		
0 25	0 2,5	0 362	50 mm	R1/8	18-013-014		

^{*1)} primary scale

Gauge for North America

Center back connection, black face for North America

(for full technical specification see datasheet 8.900.900)



Pressure range							
psig *1)	bar	Мра	Ø	Thread size	Model		
0 30	0 2	0 0.2	2" (50 mm)	1/4 NPT	18-013-207		
0 60	0 4	0 0.4	2" (50 mm)	1/4 NPT	18-013-208		
0 160	0 11	0 1.1	2" (50 mm)	1/4 NPT	18-013-209		
0 300	0 20	0 2.1	2" (50 mm)	1/4 NPT	18-013-210		

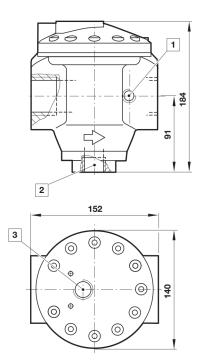
^{*1)} primary scale







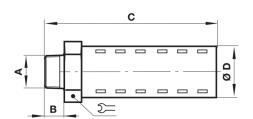
Dimensions



Silencer

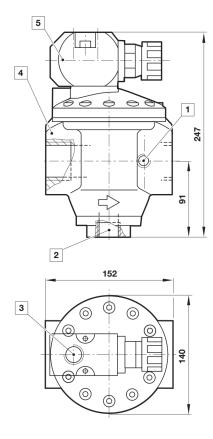




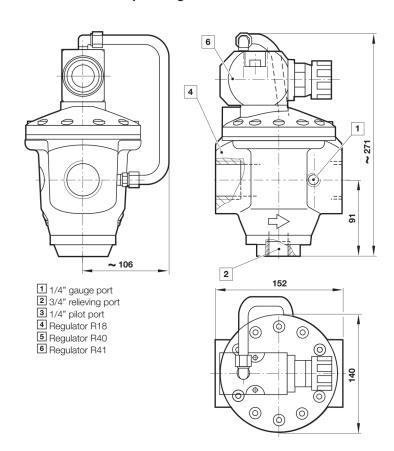


Α	В	С	D	Σ =	Model
R3/4	20	134	51	51	MB006B
3/4 NPT	20	134	51	51	MB006A

With pilot regulator R40



With feedback pilot regulator R41





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 Inc.

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.