11400, 20AL
Pilot pressure regulator

- **Port size: G1/4**
- **Large diaphragm to valve area ration provides precise pressure regulation**
- **Suitable for use with air controlled instruments or dead-end service**
- **Recommended as pilot regulator for R18 and 11-808 pilot operated regulators and 40AC pilot operated relief valve**
- **Constant bleed design ensures quick accurate response to pressure changes**

Technical features

Medium:
Compressed air filtered to 5 µm neutral gases
Maximum inlet pressure:
25 bar (360 psi) maximum

Ports:
G1/4
Gauge port:
G1/8

Ambient/Media temperature:
-20° ... +80°C (-4° ... +176°F)
Version with gauge:
-20° ... +65°C (-4° ... +149°F)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F)

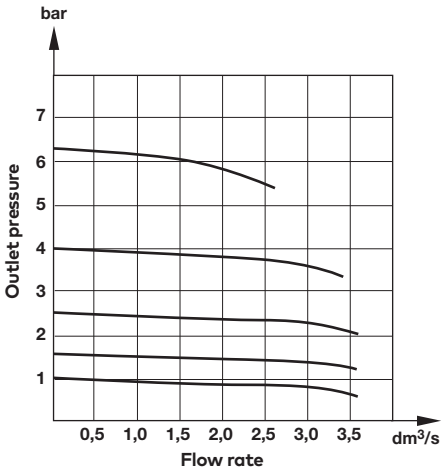
Materials:
Body & bonnet: zinc alloy
Adjusting knob: acetal resin
Elastomers: NBR

Technical data, standard models

Symbol	Port size	Pressure range (bar)	(psi)	Flow *1) dm^3/s	Weight (kg)	Model
	G1/4	0,06 ... 2	2.9 ... 29	2	0,90	11400-2G-PC100
	G1/4	0,06 ... 4	2.9 ... 58	2	0,94	11400-2G-PE100
	G1/4	0,16 ... 7	2.3 ... 101	2	1,00	11400-2G-PG100
	G1/4	7 ... 20	101 290	2	1,05	20AL-X2G-PK100

*1) Typical flow with 7 bar (100 psi) inlet pressure, 1,6 bar (23 psi) outlet pressure and pressure drop of 0,1 bar (1.5 psi)

Flow characteristics
Inlet pressure: 7 bar
Range: 0,16 ... 7 bar



Accessories

Bracket mounting	Panel mounting	Service kit
		
18-001-005	18-003-999	11400-100-20AL

Gauge

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

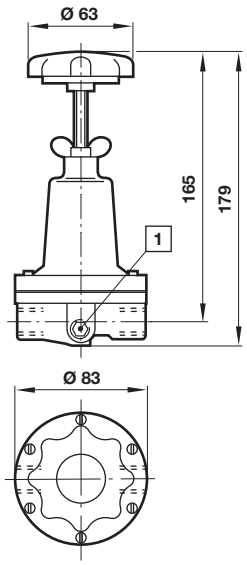
Pressure range bar *2)	MPa	psi	Ø	Thread size	Model
0 ... 2,5	–	0 ... 36	40 mm	R1/8	18-015-886
0 ... 4	0 ... 0,4	0 ... 58	40 mm	R1/8	18-015-990
0 ... 10	0 ... 1	0 ... 145	40 mm	R1/8	18-015-989
0 ... 25	0 ... 2,5	0 ... 362	40 mm	R1/8	18-015-908

*2) primary scale

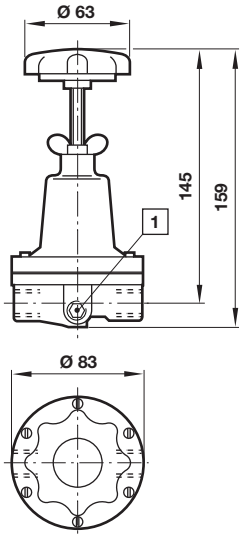
Dimensions in mm
Projection/First angle

Dimensions

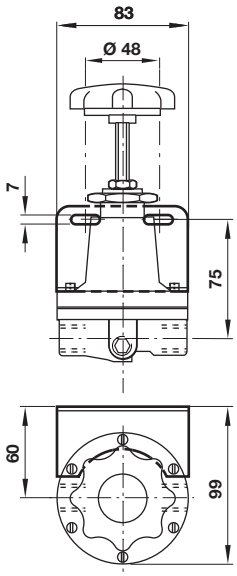
11400



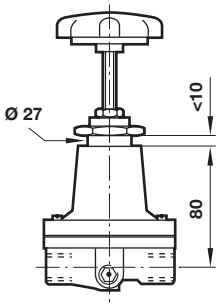
20AL



Bracket mounting



Panel mounting



1 Gauge port

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 GmbH.

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.