

RS5

Spring-loaded pressure reducer

- 3/4" ISO G/NPT
1" NPT
- Option for
Non-Relieving or
Relieving



Technical features

The RS5 series spring loaded pressure regulator with diaphragm assembly offer good accuracy and repeatability and safe shut-off at zero flow due to soft seated valve.

Applications:

- Gas mixing
- Gas distribution
- Chemical Processing
- Manufacturing processes
- Purging & charging systems
- Air compressors

Medium:

For gaseous and liquid fluids

Maximum inlet pressure:

Max. 100 bar (1450 psi)

Leakage:

Bubble tight (standard, typically
 10^{-3} atm.cm³/sec-1)
 Helium leak tested to
 10^{-6} atm.cm³/sec-1 (on request)

Weight:

4,5 kg

Ambient/

Media temperature:

NBR:

-10 ... +80°C (+14 ... +202°F)

FPM:

-20 ... +150°C (-4 ... +302°F)

EPDM:

-30 ... +130°C (-22 ... +239°F)

Remark:

The values in brackets for outlet pressure underneath stands for the optimal pressure range. Adjustment below that value are not possible or may be very inaccurate.

Material:

Body: Stainless steel

Valve pad: PCTFE

Diaphragm: NBR

O-ring: NBR

Options:

- Differential pressure version
- Differential pressure version with external sensing
- Gauge ports

Option selector

RS5-*****

Valve Seat Size	Substitute
6,3 mm	C
9,5 mm	E
12,7 mm	G
Material	Substitute
Stainless steel	A9
Port size	Substitute
G3/4" BSP female	E3
3/4" NPT female thread	A3
1" NPT female thread	A6

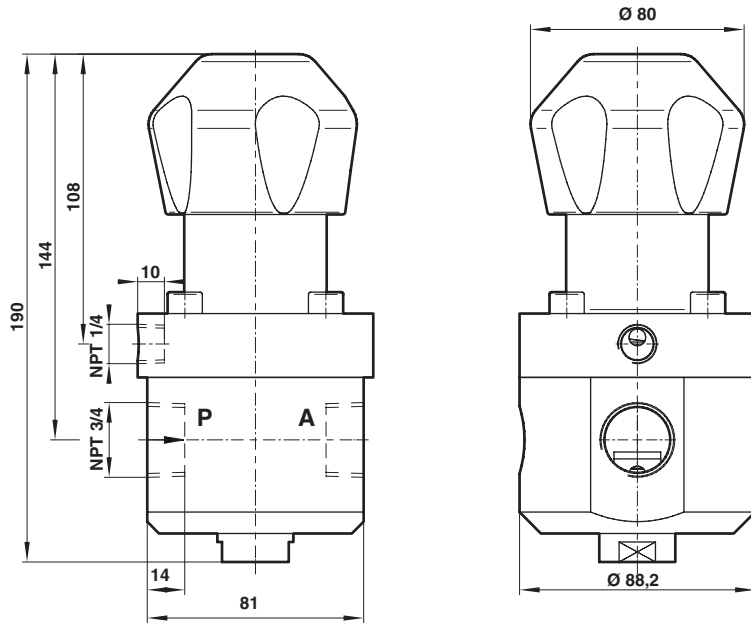
Options	Substitute
Differential Pressure	D
Remote Sensing	R
Gauge ports	M
Seals	Substitute
NBR	N
FPM	V
EPDM	E
Relief Valve	Substitute
with integrated relief valve	R
without relief valve	N
Outlet Pressure Ranges	Substitute
0 (0,2) ... 1 bar	F*
0 (0,5) ... 5 bar	M
0 (1) ... 10 bar	P
0 (5) ... 20 bar	R
0 (5) ... 40 bar	V

* Inlet pressure max. 40 bar

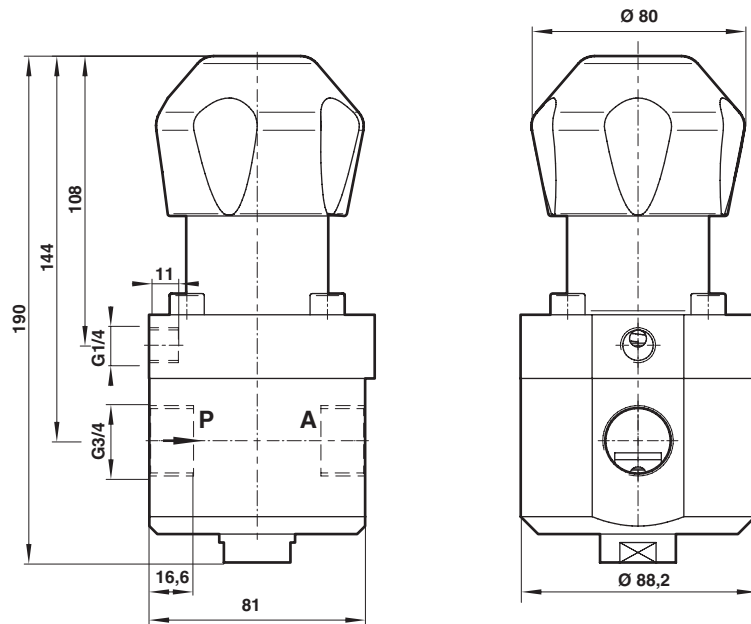
Dimensions

NPT 3/4

Dimensions in mm
Projection/first angle



G3/4



Warning:

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, Buschjost 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.