R27-200, R27-230, R27-232, R27-234, R27-236

Precision Air Pressure Regulators
The R27 Series

- **High precision pressure regulators**
- **Suitable for dead end or flow applications**
- **Excellent long term stability**
- **Handwheel, lever, plunger or pilot operated**



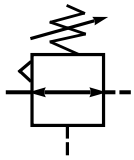
Technical Data

Medium:
Dry, oil free air filtered to 25 microns
Operation:
Two stage servo mechanised regulator with integral precision measuring capsule
Mounting:
Any position. Panel mounting or through mounting holes on the unit (lever, plunger and pilot versions)
Port Sizes:
G¼
Output Pressure ranges:
See individual details overleaf
Supply Pressure:
Minimum at least 0.2 bar above output pressure. Maximum 10 bar
Flow Capacity:
Up to 300 l/m.
Hysteresis and repeatability:
Less than 0.005% setting at midrange
Sensitivity:
Better than 0.3 mbar
Air Consumption:
See individual details overleaf

Ordering Information

To order quote model number from tables overleaf.

ISO Symbol



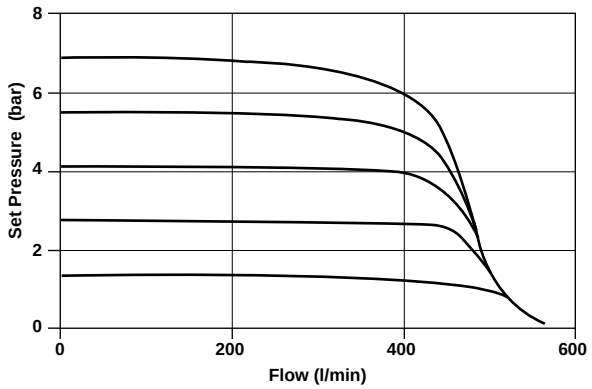
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IMI Norgren Limited, PO Box 22, Eastern Avenue, Lichfield, Staffordshire WS13 6SB

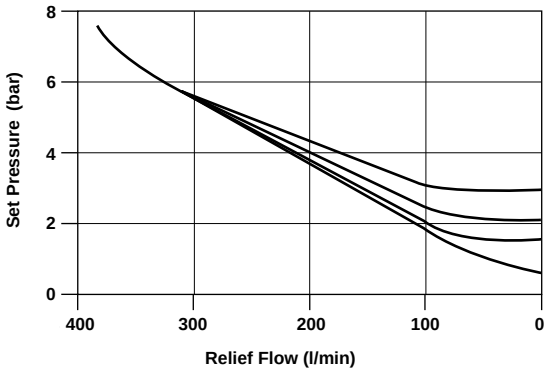
Ordering Information

Description	Model	Control Type	Output Pressure Range	Air Consumption	Weight
Standard regulator	R27-200-RNCG	Handwheel 2.5–3 turns	0.14–2.0 bar	0.3 l/m	0.72 kg
Standard regulator	R27-200-RNFG	Handwheel 2.5–3 turns	0.14–4.0 bar	0.6 l/m	0.72 kg
Standard regulator	R27-200-RNLG	Handwheel 2.5–3 turns	0.14–8.0 bar	1.2 l/m	0.72 kg
Lever operated regulator	R27-230-RNCG	Lever control 125° Rotation	0.14–2.0 bar	0.3 l/m	0.72 kg
Lever operated regulator	R27-230-RNFG	Lever control 125° Rotation	0.14–4.0 bar	0.6 l/m	0.72 kg
Lever operated regulator	R27-230-RNLG	Lever control 125° Rotation	0.14–8.0 bar	1.2 l/m	0.72 kg
Plunger operated regulator	R27-232-RNFG	Plunger travel 1.65mm	0.14–4.0 bar	0.6 l/m	0.72 kg
Plunger operated regulator	R27-232-RNLG	Plunger travel 1.65mm	0.14–8.0 bar	1.2 l/m	0.72 kg
Pilot operated relay	R27-234-RNCG	Pilot pressure signal	0.14–8.0 bar	1.2 l/m	0.72 kg
Pilot operated relay with manual bias	R27-236-RNXG	Pilot pressure signal. Handwheel controlled bias	0.14–8.0 bar Bias of up to 2 bar	1.2 l/m	0.72 kg

Forward Flow Characteristics 8 Bar Supply



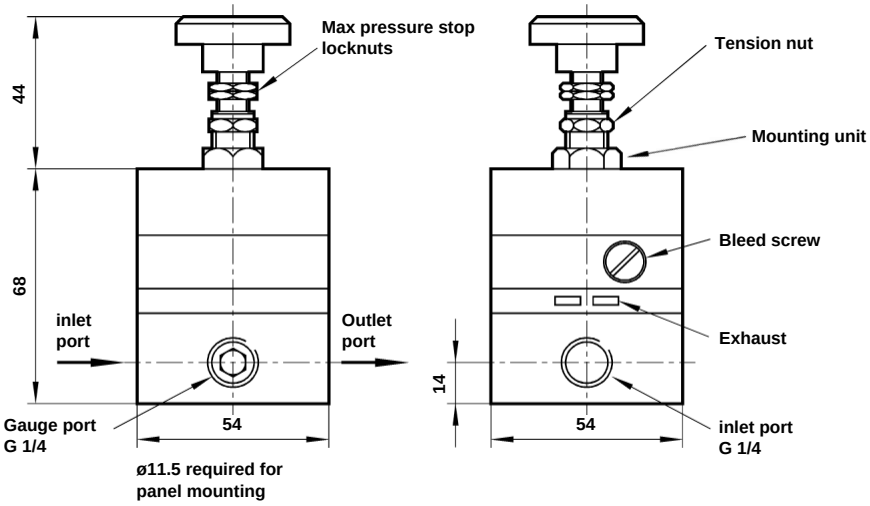
Relief Flow Characteristics 8 Bar Supply



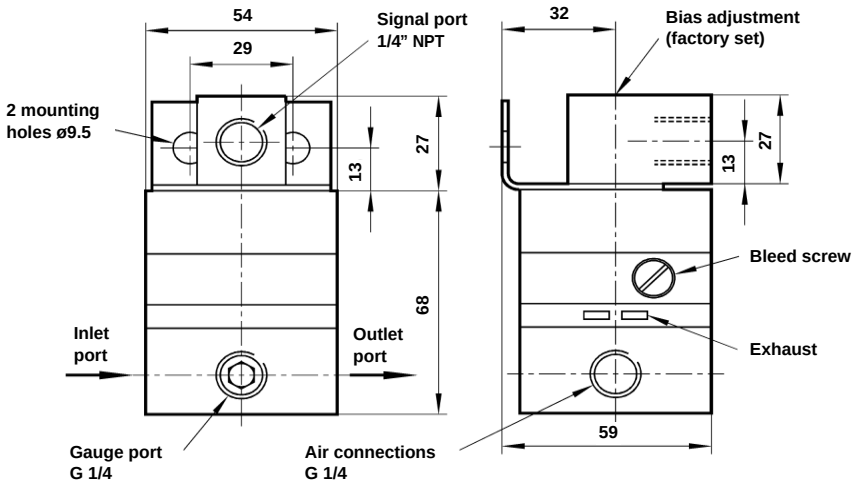
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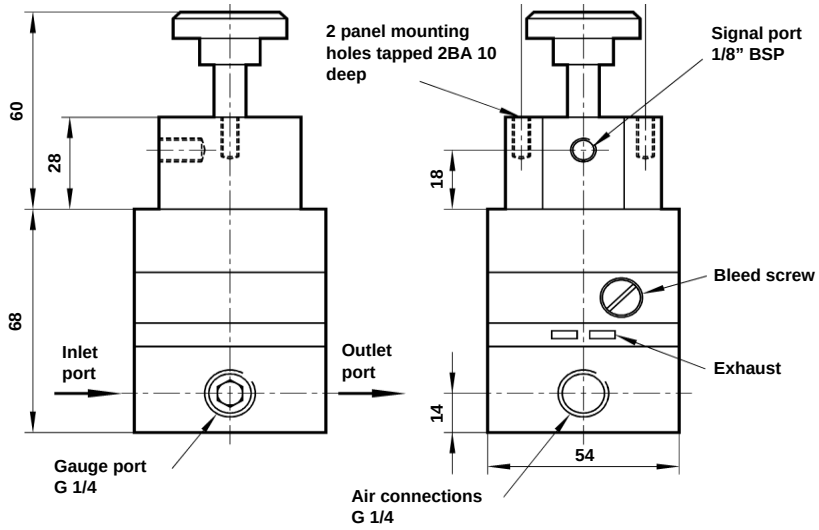
Dimensions R27-200



Dimensions R27-234 Pilot Operated

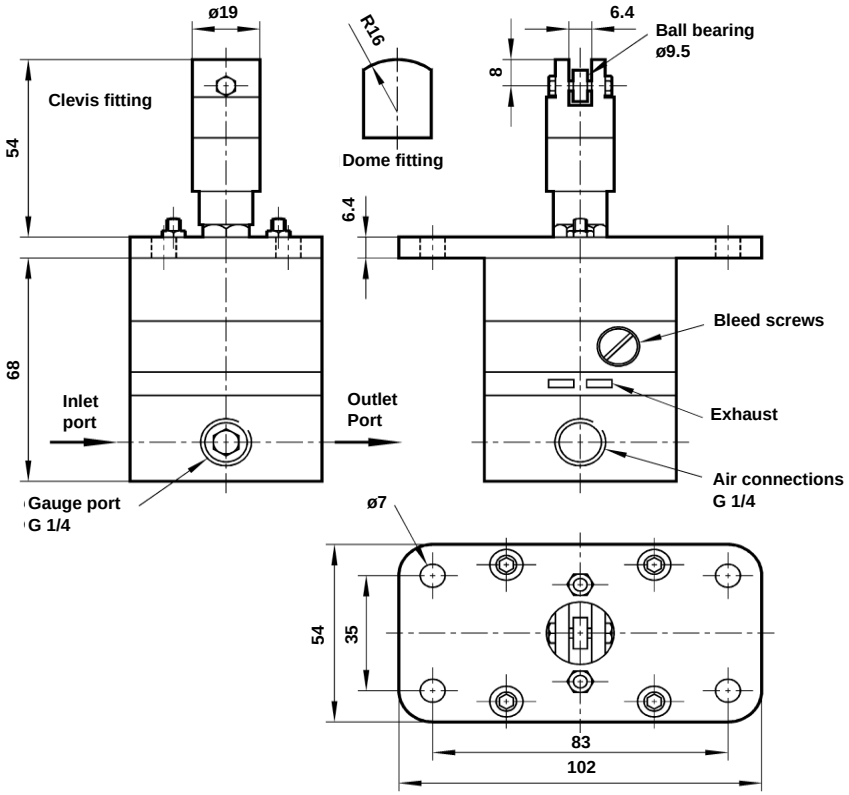


Dimensions R27-236 - RNXG

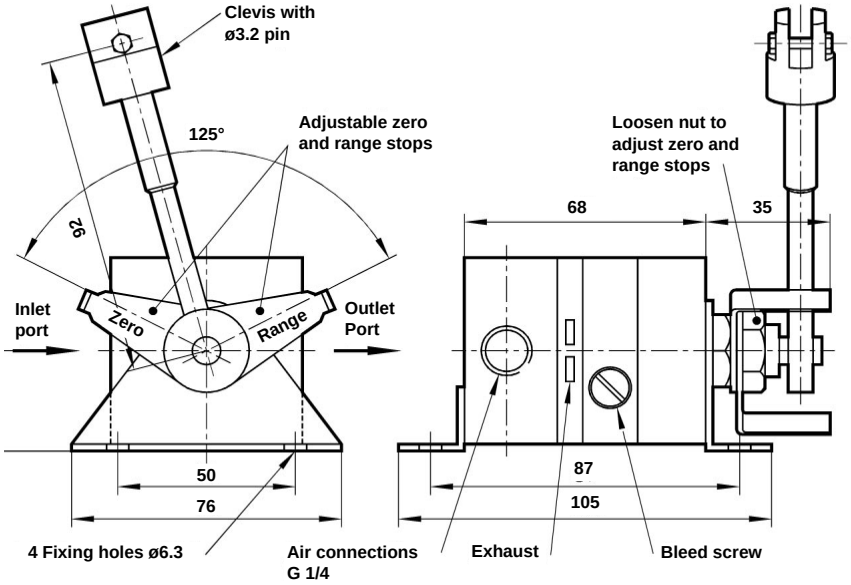


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Dimensions R27-232



Dimensions R27-230 -RNFG



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