NORGREN

R05

Miniature Regulator
¼" N.P.T.F.

- **Metallic parts meet NACE† recommendations**
- **Miniature high corrosion resistant design**
- **Adjusting Knob has Snap-Action Lock**
- **Particularly suitable for marine, petro-chemical, food processing, medical, dental and similar applications**
- **Panel Mounting facility**

†National Association of Corrosion Engineers - recognised oil-field recommendation for resistance to sulphide stress cracking common in well-head and other corrosive environments.



Technical Data

Medium:
Compressed air only

Maximum Inlet Pressure:
17,2 bar

Operating Temperature:
–20˚C* to +66˚C

*Consult our Technical Service for use below +2˚C

Recommended Regulated Pressures††:
0,2 - 3,5 bar
0,3 - 8,6 bar

††Can be adjusted to zero bar outlet pressure and, generally, to pressures in excess of those specified.

Gauge Ports:
⅛" N.P.T.F.

Maximum Flow with 7 bar inlet pressure, 6 bar outlet pressure and pressure drop of 1 bar:
3 dm^3/s

Port Sizes

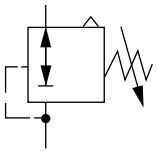
¼" N.P.T.F.

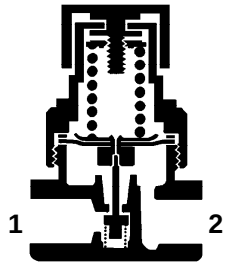
Alternative Models

Other port thread forms

Materials

Stainless steel body. Acetal resin adjusting knob/bonnet. Synthetic rubber elastomeric materials.





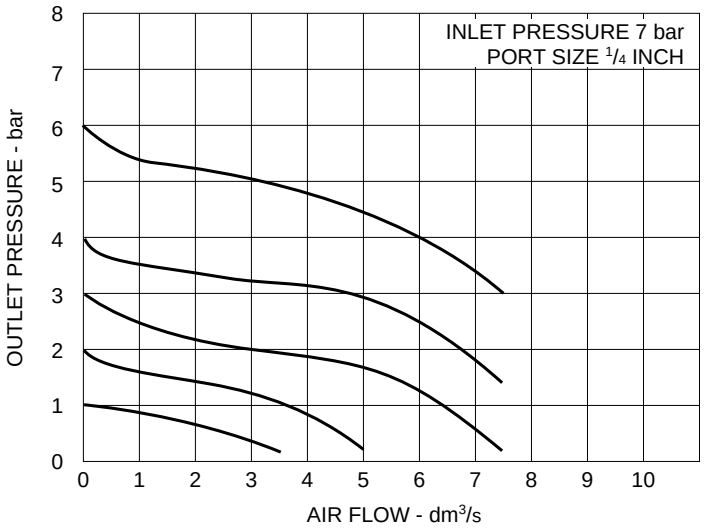
Ordering Information

To order a standard Miniature Regulator, quote model number from table overleaf.

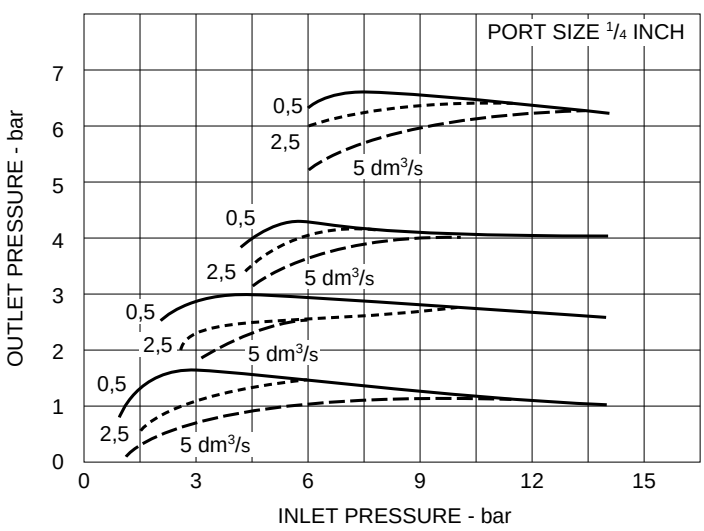
For non-standard models please consult our Technical Service.

Typical Performance Characteristics

FLOW CHARACTERISTICS



REGULATION CHARACTERISTICS



Standard Miniature Regulators

3,5 bar spring

Port Size	Relieving	Weight kg	Non-relieving	Weight kg
1/4" N.P.T.F.	**R05-200-RNEA**	0,20	**R05-200-NNEA**	0,20

8,6 bar spring

Port Size	Relieving	Weight kg	Non-relieving	Weight kg
1/4" N.P.T.F.	**R05-200-RNLA**	0,20	**R05-200-NNLA**	0,20

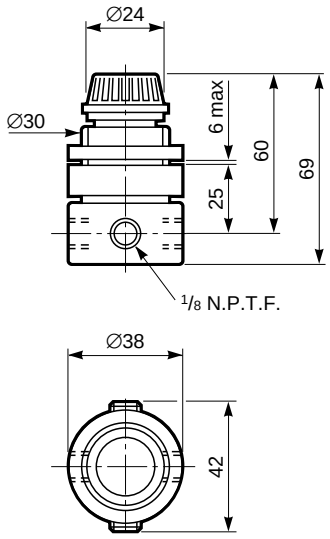
Non-standard Models

For other options, please consult our Technical Service.

Accessories

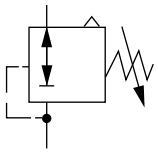
Panel Mounting Nut, reference 2962-89.

Miniature Regulator

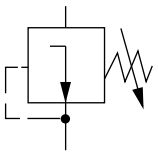


3,5 bar spring

Relieving
R05-200-RNEA ¼" N.P.T.F.

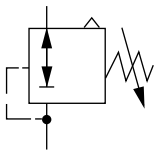


Non-relieving
R05-200-NNEA ¼" N.P.T.F.

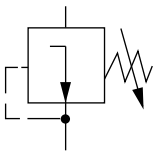


8,6 bar spring

Relieving
R05-200-RNLA ¼" N.P.T.F.



Non-relieving
R05-200-NNLA ¼" N.P.T.F.



Note: Panel Mounting Nut not included.
Order separately as shown in Accessories.

Spares Kits

Type	Repair Kit
Relieving	3407-71
Non-relieving	3407-72

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 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 NORGREN MARTONAIR.
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.