MANUFACTURING

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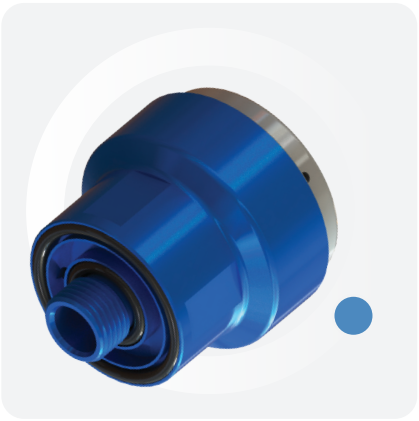
ENR Pressure Regulators

Reliable and compact non-relieving pressure control









Pressure Regulator Product Features

- **Size:** 1/8" BSPP
- **Connection:** Manifold Mount
- **Material:** Stainless steel 316 and 303, Aluminium Bronze
- **Pressure:** Max Inlet 8 bar (116 psi)
- Non-relieving and non-bleed pressure control of air and medical gases
- Compact and reliable with low pressure hysteresis
- Designed specifically for the medical and scientific markets

Pressure Regulators at a Glance

Pressure Regulators are used to control the flow and pressure of media such as liquids or gases, by either reducing or increasing the desired inlet or outlet pressure.

Regulators are used where it is essential that media pressure is maintained at a specific rate. Unregulated high-pressure media can cause serious harm or equipment failure in devices such as ventilators, anaesthesia machines, masks, or tubing.

Why Choose our Pressure Regulators?

Our non-relieving, non-bleed miniature regulator offers precision pressure control with excellent repeatability. Where control of compressed air or medical gas is required, this component offers complete performance reliability.

Designed and manufactured in the UK to produce a precise outlet pressure of up to 2bar (29psi), these regulators are the optimum choice for repeatability and accuracy.

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Pressure Regulator Part Numbering

Prefix	Maximum Pressure Hysteresis	Connection		Body		Seal		???	Compact
		Style	Description	Material	Description	Material	Description		
	(a)		(b)		(c)		(d)	(e)	(f)
ENR	-20	-MMG	Manifold Mount for medical Gases	-SS -AL	Stainless Steel 316 Aluminium	-E -N -S -V	EPDM Buna-N Silicone Viton	-H	-C

Example

ENR-20-MMG-SS-V-H-C

Pressure Hysteresis
(a) 0.03 bar (0.45 psi) at 20°C

Connection
(b) Manifold Mount for medical Gases

Body
(c) Stainless Steel 316

Seal
(d) Viton

Features
(e) H
(f) Compact

Reliable, Precise Pressure Regulation

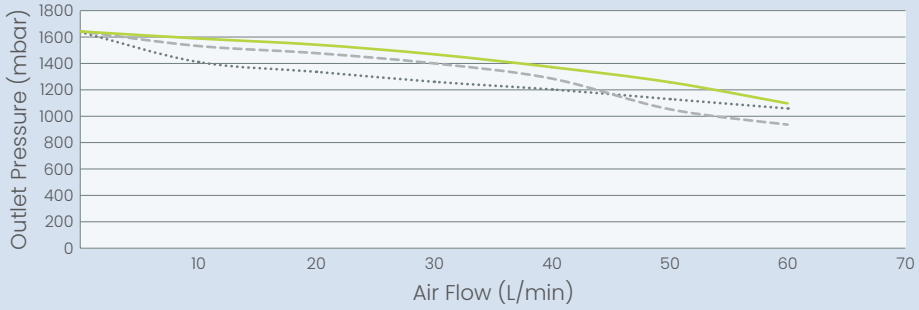
The very low pressure hysteresis of the EoxMfg pressure regulator is shown in the chart below by the solid green line plot with outlet pressure set at 1600 mbar at zero flow and 4 bar (58 psi) supply.

The other lines indicate two competitor regulators with higher pressure hysteresis and larger outlet pressure droop than the EoxMfg regulator.

Outlet Pressure v Flow Example
4 bar (58 psi) Supply

- EoxMfg Regulator
- Competitor Regulator A
- Competitor Regulator B

* The EoxMfg regulator has a low hysteresis which offers excellent repeatability



Need a Custom Component for your Application?

Build the pressure regulator your application requires.

Select from a number of options:

- Colour
- Material

Scan the QR code to contact the team.