

LF240 Datasheet

LOW-FLOW PRESSURE REGULATOR



Gas
 Liquid
 Diaphragm
 Piston
 Self-Venting
 Non-Venting
 Max Inlet: 414 bar (6,000 psi)
 Max Outlet: 10 bar (145 psi)
 Cv 0.06



INTRODUCING THE LF240...

The LF240 is a single-stage low-flow pressure regulator for gas applications with a large sensitive elastomeric diaphragm for accurate low pressure control.

With a solid disk seat design, the LF240 enables higher inlet pressures of up to 414 bar (6,000 psi). Lightweight and relatively compact, it is perfect for customers looking for a regulator with a smaller footprint.

SPECIFICATION

| | |
|---------------------------|----------------------------------|
| Max. Rated Inlet Pressure | 414 bar (6,000 psi) |
| Outlet Ranges | Up to 10 bar (145 psi) |
| Design Proof Pressure | 150% max. working pressure |
| Seat Leakage | In accordance with ANSI/FCI 70-3 |
| Weight | 1.5kg (3.3lbs) |

STANDARD MATERIALS OF CONSTRUCTION

| PART | MATERIALS |
|-----------------|--|
| Body and Bonnet | ASTM A479 316/316L Stainless Steel (UNS S31600/S31603) |
| Main Valve Pin | ASTM A479 316/316L Stainless Steel |
| Soft Seat | PEEK™ (450G) PTFE (Kel-F) |
| Valve Spring | Inconel® X750 |
| Diaphragm | PTFE-Lined Elastomeric |
| Handwheel | Nylon |
| O-Rings | FKM/FPM (Viton) |
| Loading Spring | ASTM A240 301 Stainless Steel (UNS S30100) |
| Filter | 40 Microns |

Note: Pressure regulator rating may be limited by connection type, Cv and/or seat material. Contact the office for specific pressure or temperature requirements.

FEATURES AND BENEFITS

1 SOLID DISK SEAT DESIGN

Robust design enabling higher inlet pressures of up to 414 bar (6,000 psi).

2 LIGHTWEIGHT AND COMPACT DESIGN

Perfect for when installation space is restricted.

3 LOW DECAYING PRESSURE EFFECT

Stable outlet pressure under varying inlet conditions.

4 PTFE-LINED DIAPHRAGM

Offers a good chemical resistance.

Product availability and specifications contained herein are subject to change without notice. Consult local distributor or factory for potential revisions and/or service related issues. Pressure Tech Ltd support with product selection recommendations only - it is the users responsibility to ensure the product is suitable for their specific application requirements.



PRESSURE TECH LTD

Unit 24, Graphite Way, Hadfield, Glossop, Derbyshire, UK, SK13 1QH

+44 (0)1457 899 307 | sales@pressure-tech.com | www.pressure-tech.com

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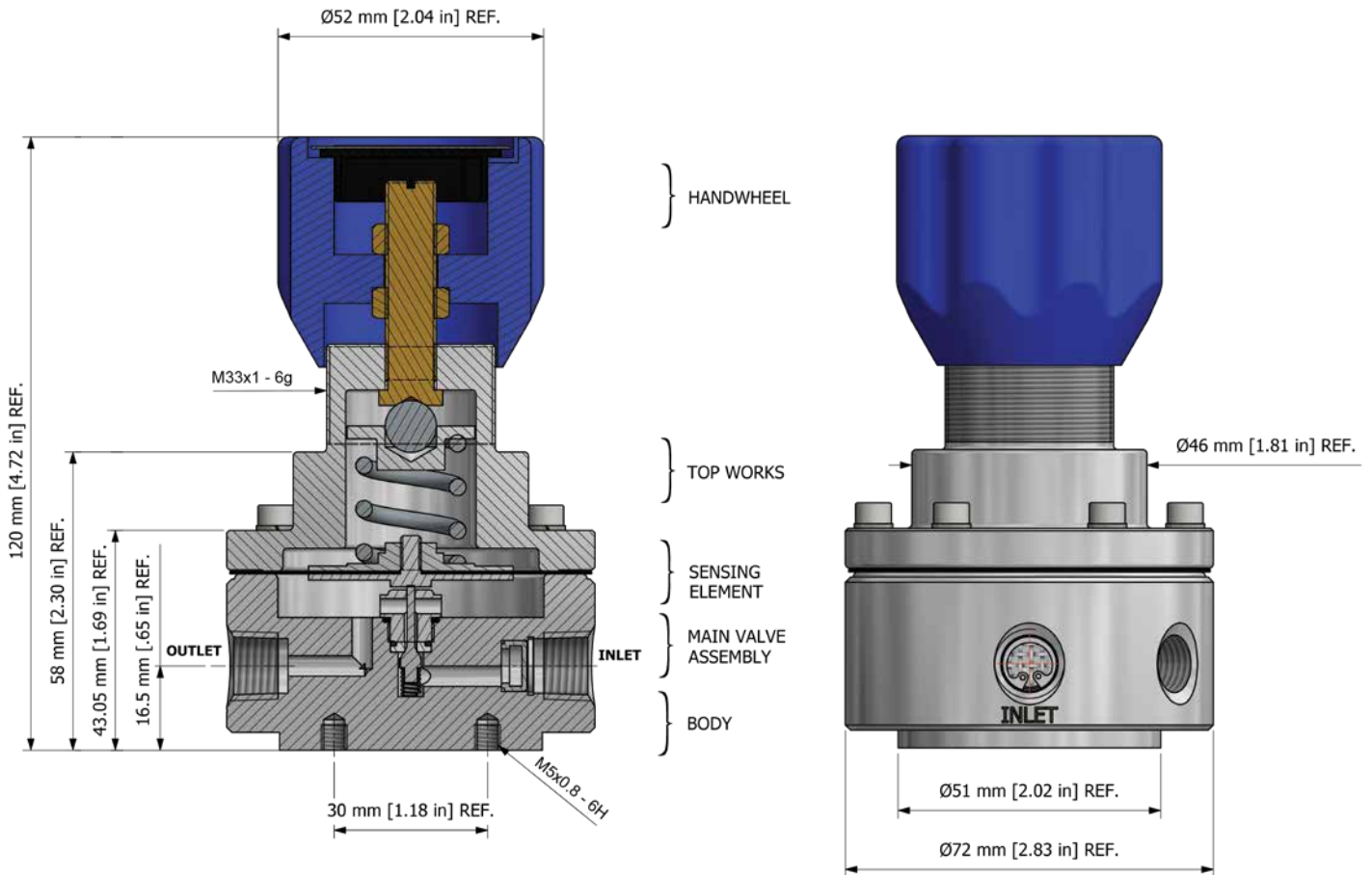
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DRAWINGS AND INSTALLATION DIMENSIONS

Dimensions shown for 1/4" NPT option and standard configurations only - please contact the office for other options.



Note:

All gauge ports are 1/4" NPT as standard.

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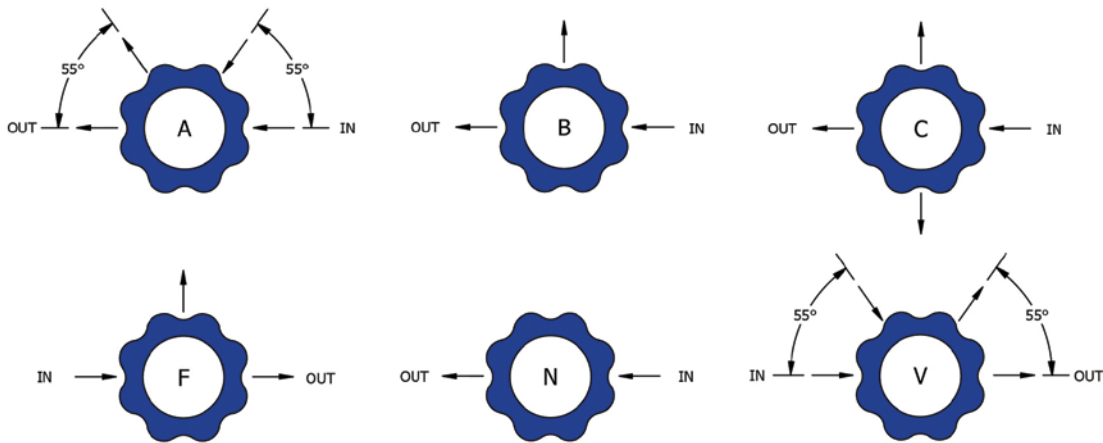
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FLOW CURVE

Please contact the office for further information.

PORTING CONFIGURATIONS



Note:

Additional porting configurations are available - please contact the office for further information.

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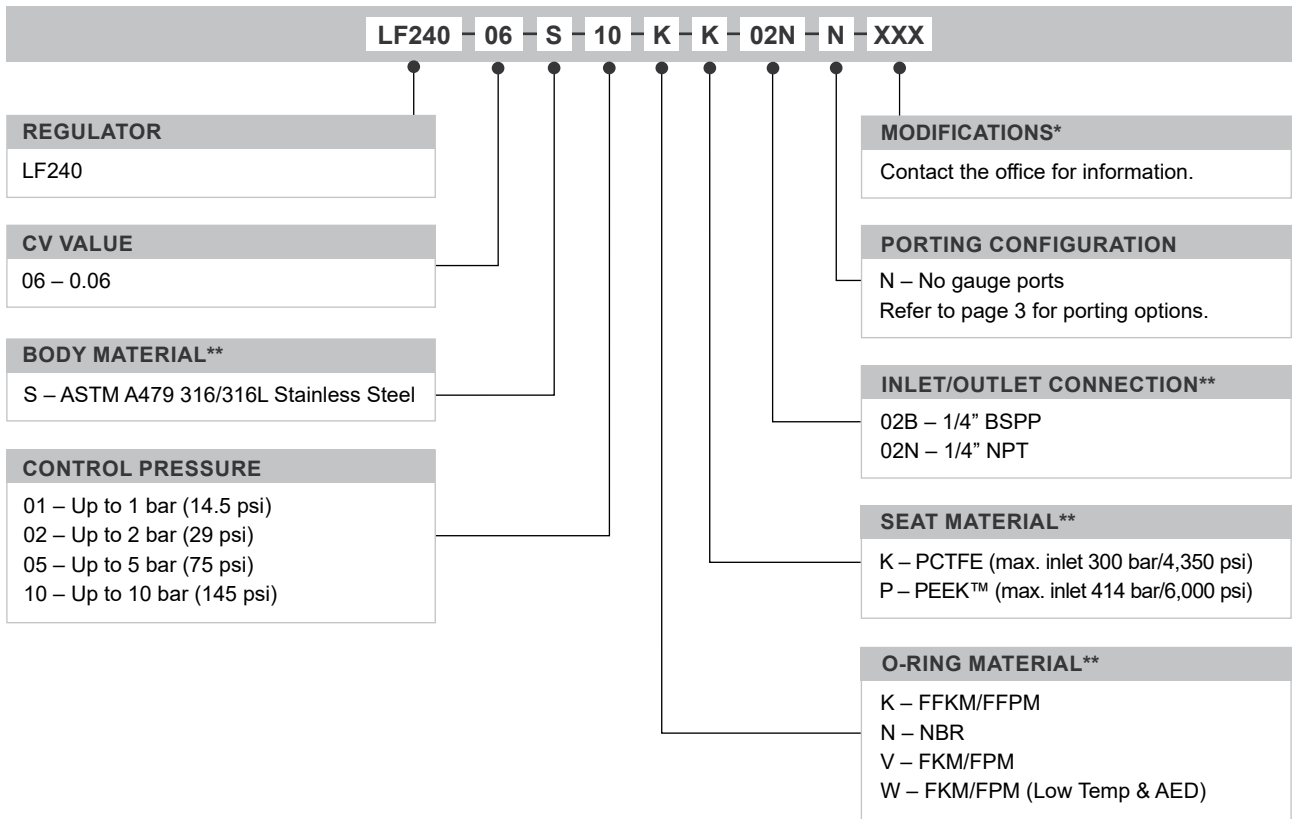
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ORDERING INFORMATION

To build a Pressure Tech part number, simply combine the characters identified below in sequence:



| OPTIONAL EXTRAS | | |
|------------------|--------------|---------------------------|
| | PART NUMBER | DESCRIPTION |
| Service Kit | SRK-LF240... | Various options available |
| Panel Mount Ring | PT-C-024 | - |

Note: Ancillary equipment also available

TRADEMARKS: Inconel® is a registered trademark of Inco Alloys International
PEEK™ is a trademark of Victrex PLC

* Where applicable
** Other materials/connections may be available

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