

# LF230 Datasheet

## LOW-FLOW PRESSURE REGULATOR



Gas  
  Liquid  
  Diaphragm  
  Piston  
  Self-Venting  
  Non-Venting  
 Max Inlet: 300 bar (4,350 psi)  
 Max Outlet: 10 bar (145 psi)  
 Cv 0.06



### INTRODUCING THE LF230...

The LF230 is a single-stage low-flow pressure regulator for gas applications with a large sensitive elastomeric diaphragm for accurate low pressure control.

Lightweight and relatively compact, the LF230 is perfect for customers looking for a regulator with a smaller footprint.

### SPECIFICATION

Max. Rated Inlet Pressure	300 bar (4,350 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	AISI 316 / 316L Stainless Steel (UNS S31600 / S31603)
Main Valve Pin	AISI 316 / 316L Stainless Steel (UNS S31600 / S31603)
Soft Seat	PEEK™ or PCTFE
Valve Spring	Inconel® X750
Diaphragm	Teflon™ Lined Elastomeric
Handwheel	Nylon
'O'-Ring Seals	FKM / FPM
Loading Spring	AISI 302 Stainless Steel (UNS S30200)
Filter	40 Microns

### FEATURES AND BENEFITS

#### 1 LARGE SENSITIVE ELASTOMERIC DIAPHRAGM

Provides accurate pressure regulation.

#### 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 TEFLON™-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.



DESIGNED AND BUILT IN THE UK

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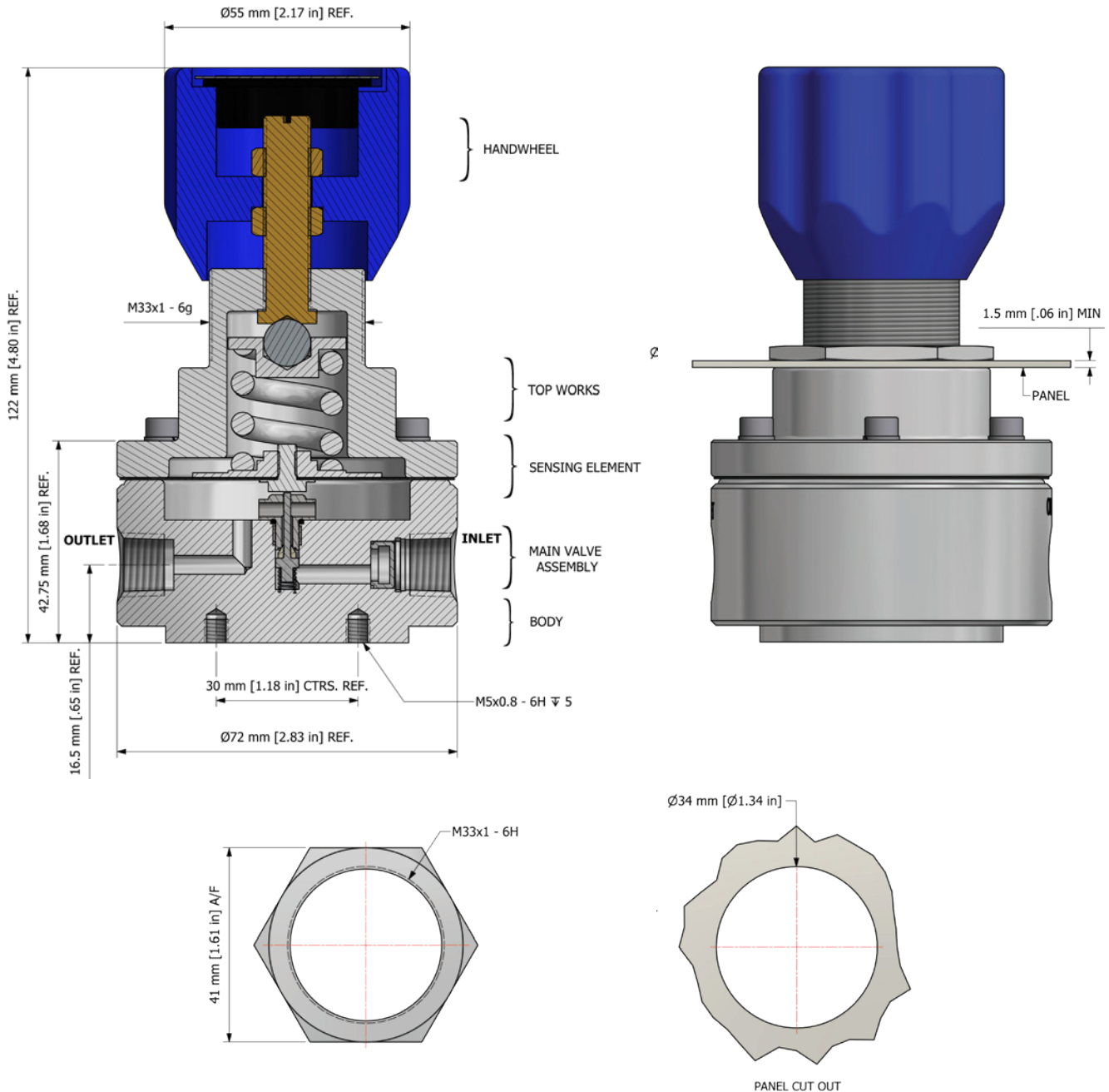
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## DRAWINGS AND INSTALLATION DIMENSIONS

Dimensions shown for 1/4" NPT option - please contact the office for additional connections options.



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

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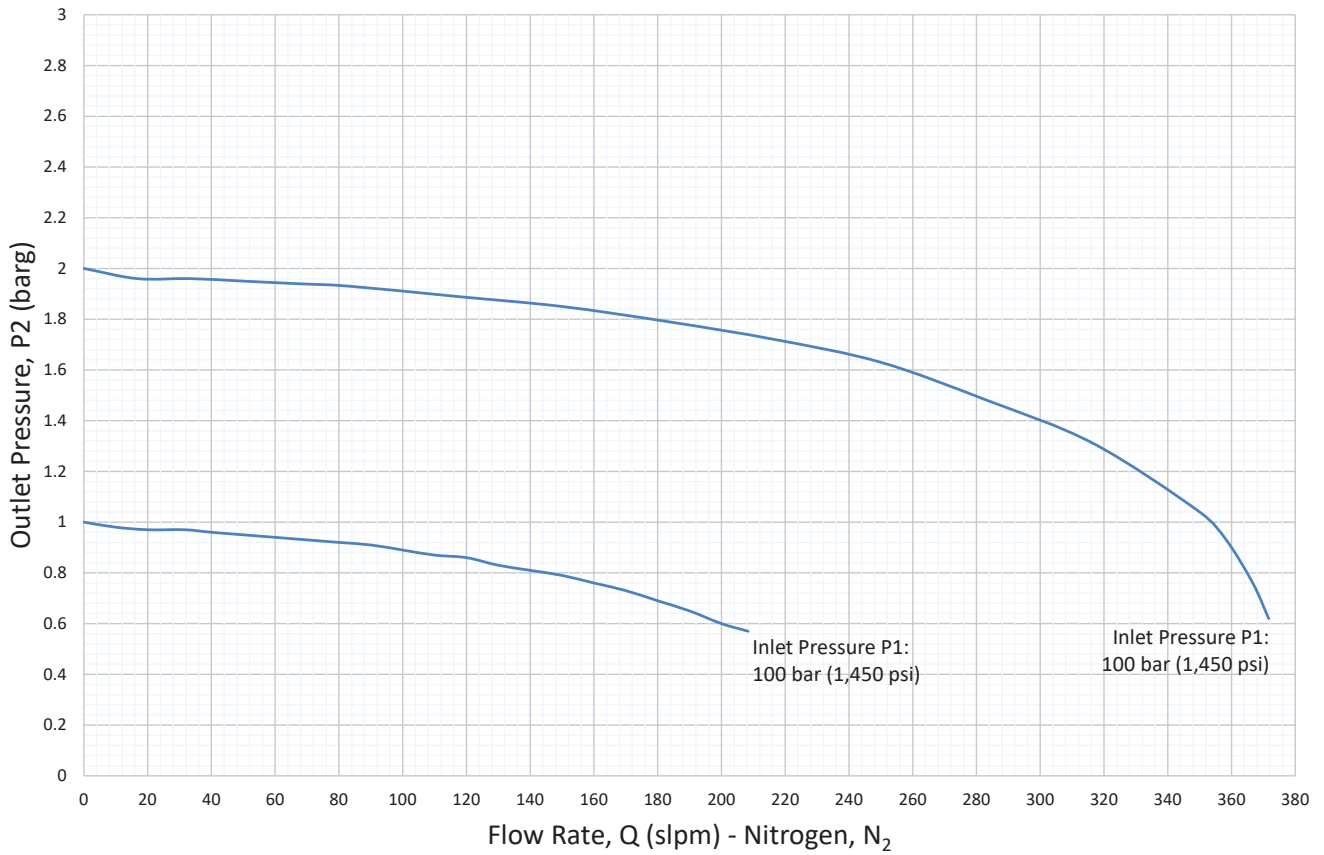
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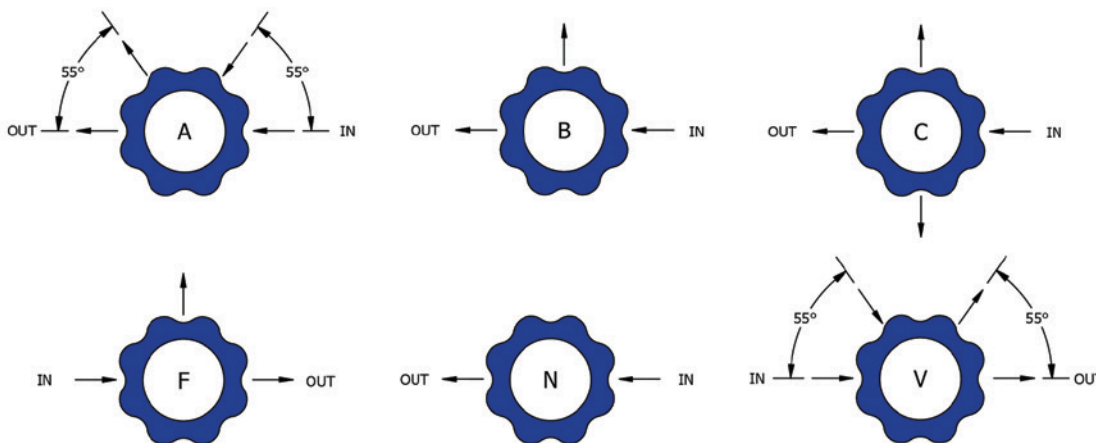
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## FLOW CURVE



## PORTING CONFIGURATIONS



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

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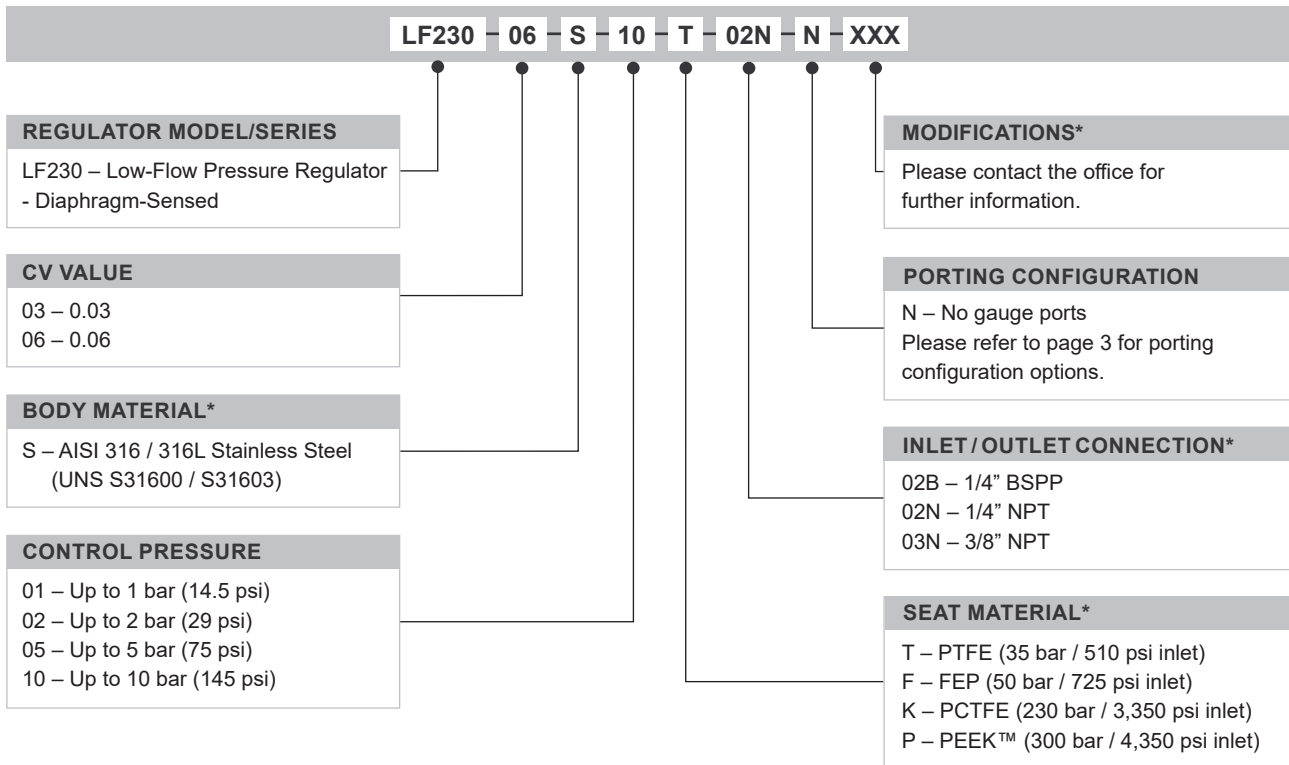
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## ORDERING INFORMATION

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



OPTIONAL EXTRAS		
	PART NUMBER	DESCRIPTION
Service Kit	SRK-LF230...	Various options available
Panel Mount Ring	PT-C-024	-

*Note:*  
Ancillary equipment also available

TRADEMARKS: PEEK™ is a trademark of Victrex PLC  
TEFLON™ is a trademark of DuPont

\* Other connections/materials may be available - please contact the office

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