

RLF300 Datasheet

RELIEF VALVE



● Gas ● Liquid | Cracking Pressure: Up to 60 bar (870 psi)



INTRODUCING THE RLF300...

The RLF300 is a compact, high-performance relief valve designed for use in high-purity and specialty gas systems. Suitable for gases up to 6.0 purity, the RLF300 provides reliable overpressure protection with cracking pressures individually specified up to 60 bar (870 psi).

Available in 316 stainless steel or chrome-plated brass, with a choice of EPDM or FKM sealing materials, the RLF300 can be configured to suit a wide range of gas applications.

Its compact construction, low leakage performance and flexible porting options make it particularly suited to gas panels, analytical systems, laboratory installations and other applications where space, cleanliness and dependable pressure protection are critical.

STANDARD MATERIALS OF CONSTRUCTION

PART	MATERIALS
Body and Bonnet	ASTM A479 316/316L Stainless Steel (UNS S31600/S31603)
	Chrome Plated Brass CW614N (UNS C38500)
Poppet	ASTM A479 316/316L Stainless Steel (UNS S31600/S31603)
Valve Spring	ASTM A240 301 Stainless Steel (UNS S30100)
Filter	100 Microns

SPECIFICATIONS

Cracking Pressure	Up to 60 bar (870 psi)
Purity	≤ 6.0
Weight	80g (0.17lbs)
Dimensions	See page 2

FEATURES AND BENEFITS

1 FOR HIGH PURITY GAS ≤ 6.0

Ensures the materials, design, and internal surface finish do not contaminate high purity gases.

2 COMPACT DESIGN

It's compact design offers easy installation.

3 TARGETED DESIGN

Designed for speciality, calibration and analytical gas systems.

4 CUSTOMISABLE CRACKING PRESSURE

Individually specified cracking pressures up to 60 bar (870 psi).

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

Units 1-2, Graphite Way, Hadfield, Glossop, Derbyshire, UK, SK13 1QH

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

DESIGNED, MANUFACTURED AND BUILT IN THE UK

© 2026 Pressure Tech Ltd. All Rights Reserved.

091026

PAGE:
1 OF 3

RLF300 Datasheet

RELIEF VALVE

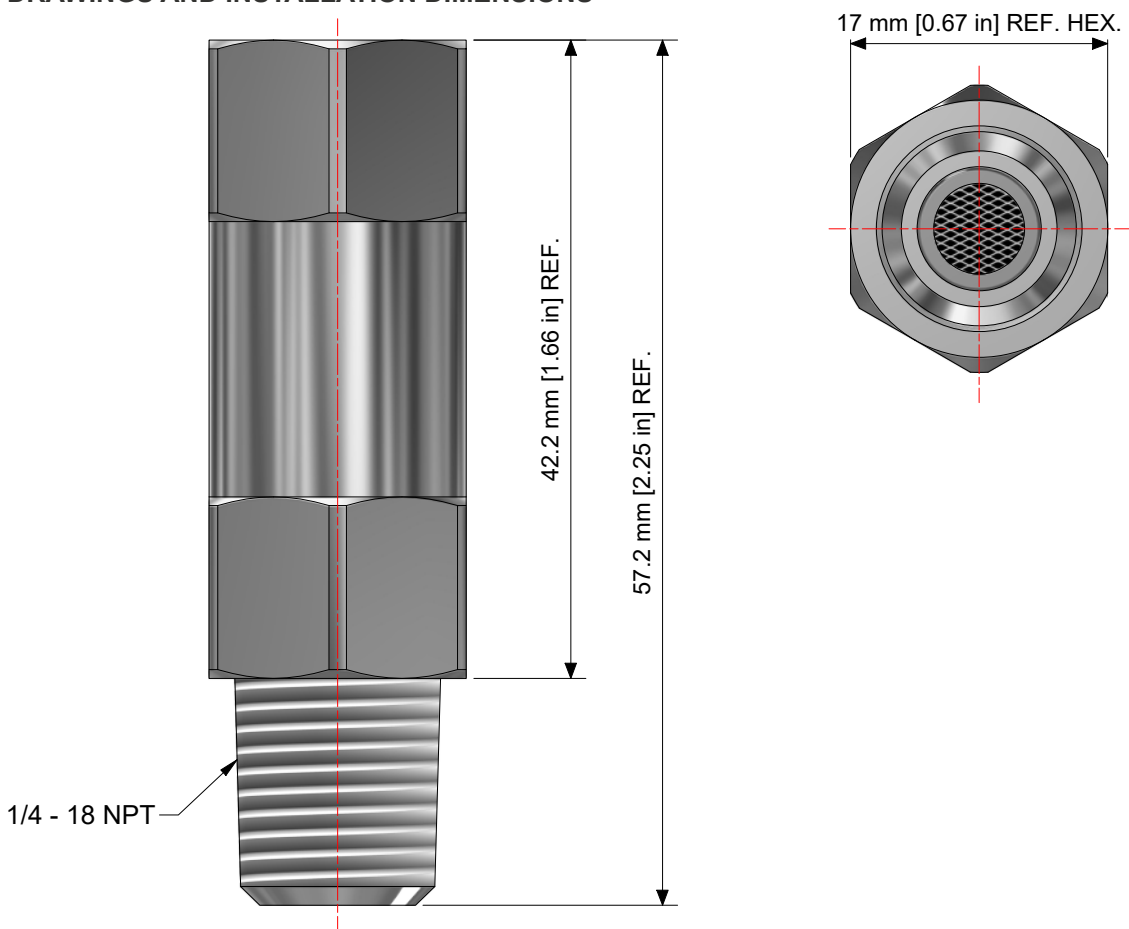
PRESSURE TECH

● Gas ● Liquid | Cracking Pressure: Up to 60 bar (870 psi)

CLEANLINESS STANDARDS & SURFACE FINISH

All components are precision-cleaned to meet stringent cleanliness levels of 1mg/m², in accordance with ASTM G93/G93M, ASTM F331-13, and ISO 15001:2011. Brass products are electroplated as standard to enhance durability and corrosion resistance.

DRAWINGS AND INSTALLATION DIMENSIONS



P&ID



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

Units 1-2, Graphite Way, Hadfield, Glossop, Derbyshire, UK, SK13 1QH

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

DESIGNED, MANUFACTURED AND BUILT IN THE UK

© 2026 Pressure Tech Ltd. All Rights Reserved.

091026

PAGE:
2 OF 3

RLF300 Datasheet

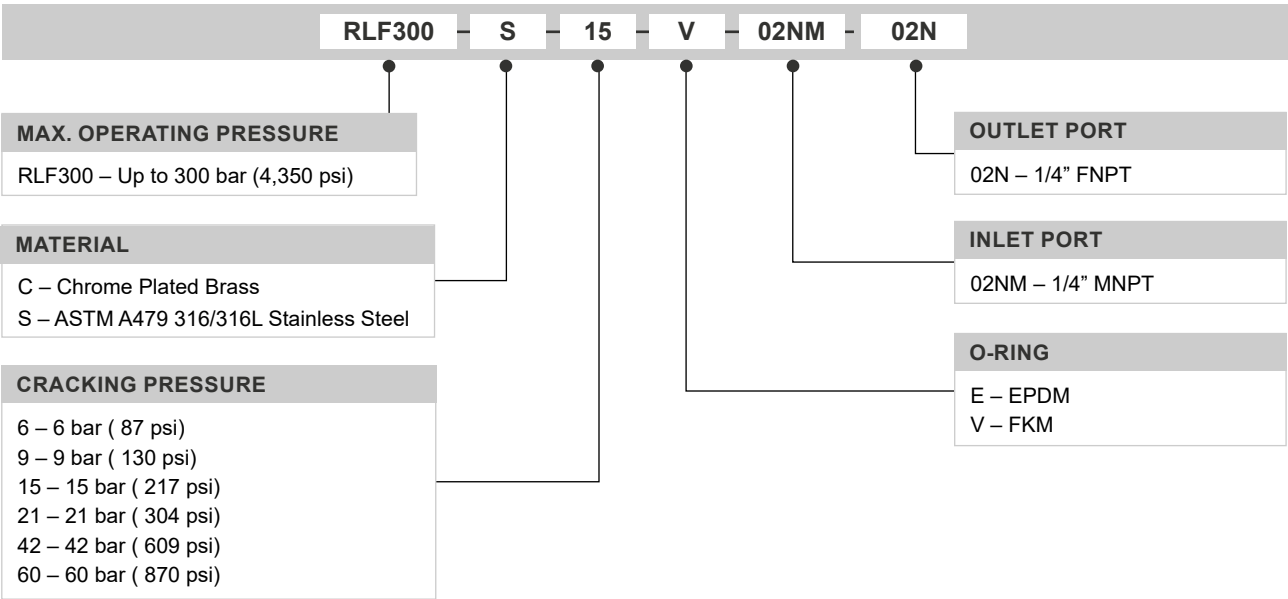
RELIEF VALVE



● Gas ● Liquid | Cracking Pressure: Up to 60 bar (870 psi)

ORDERING INFORMATION

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



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
Units 1-2, Graphite Way, Hadfield, Glossop, Derbyshire, UK, SK13 1QH
+44 (0)1457 899 307 | sales@pressure-tech.com | www.pressure-tech.com
DESIGNED, MANUFACTURED AND BUILT IN THE UK
© 2026 Pressure Tech Ltd. All Rights Reserved.

091026

PAGE:
3 OF 3