



PN16 Flanged Pressure Sustaining Valve in Stainless Steel

- Direct Acting
- Gauge Included
- 1 - 5 Bar or 4 - 10 Bar Pressure Range
- DN15 – DN150
- Suitable for Temperatures -15°C to 80°C
- Max inlet 25 Bar

> Description

The Type PR4514 Pressure sustaining or back pressure valve is Direct Acting, all stainless steel construction. Available in two choices of back pressure adjustment : 1 – 5 or 4 – 10 Bar and is displayed by a stainless steel pressure gauge, which is included. The maximum inlet pressure is 25 bar with a test pressure of 35 bar. Seals are offered as options in NBR, Viton and EPDM for media of air, water, pure water, light oils and other fluids under 40 centistokes and gases compatible with the appropriate seals. Port connections are flanged PN16 in sizes ranging from ½" up to 6" (DN15 – DN150).

Information

Sustaining or back pressure valves are designed to maintain a pre set back pressure in a system (inlet or upstream pressure). This valve ensures pressures do not fall below the set range and maintain critical systems upstream.

Max. Inlet 25 Bar, Test 35 Bar
Adjustment Range Pressure

- 1 - 5 Bar
- 4 - 10 Bar



Description

The PR4514 is a direct acting pressure sustaining valve used to maintain a pre set back pressure in a system. Sized from ½" to 6" (DN15-DN150) flanged PN16. This stainless steel valve offers multi option choices over range and seal material. Supplied with stainless steel pressure gauge and offering economy and reliability.



Beschreibung

Das PR4514 ist ein direkt wirkendes Druckhalteventil zur Aufrechterhaltung eines voreingestellten Gegendrucks in einem System. Größen von ½" bis 6" (DN15-DN150) mit Flansch PN16. Dieses Edelstahlventil bietet vielfältige Auswahlmöglichkeiten hinsichtlich Bereich und Dichtungsmaterial. Wird mit Edelstahl-Manometer geliefert und bietet Wirtschaftlichkeit und Zuverlässigkeit.



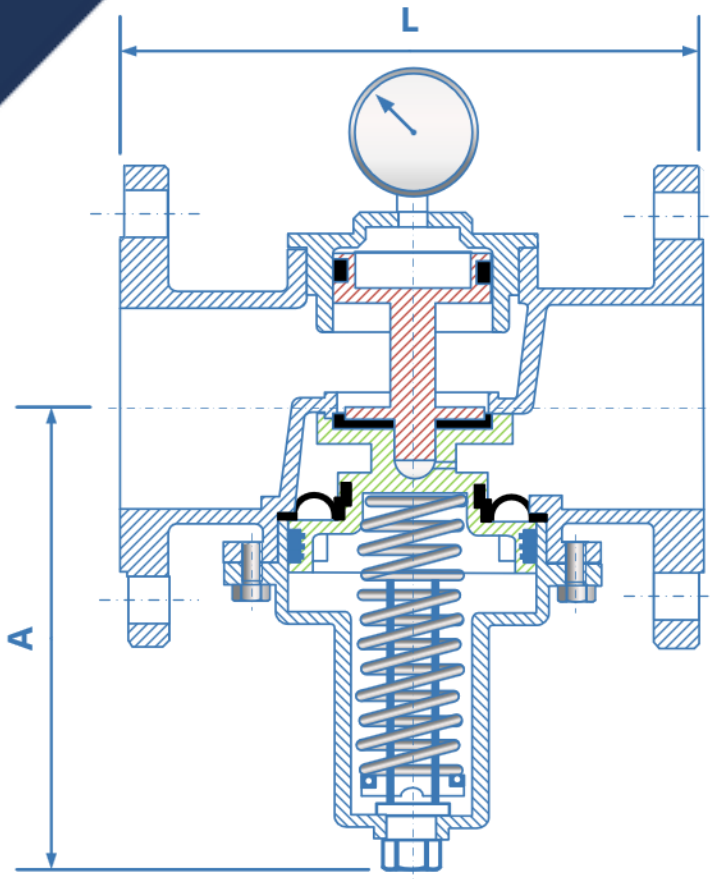
Descripción

La PR4514 es una válvula sostenedora de presión de acción directa que se utiliza para mantener una contrapresión predeterminada en un sistema. Con un tamaño de ½" a 6" (DN15-DN150) con brida PN16. Esta válvula de acero inoxidable ofrece opciones múltiples sobre el rango y el material del sello. Se suministra con manómetro de acero inoxidable y ofrece economía y confiabilidad.



Description

Le PR4514 est une vanne de maintien de pression à action directe utilisée pour maintenir une contre-pression prédéfinie dans un système. Dimensionné de ½" à 6" (DN15-DN150) à bride PN16. Cette vanne en acier inoxydable offre plusieurs choix d'options sur la gamme et le matériau d'étanchéité. Fournie avec un manomètre en acier inoxydable et offrant économie et fiabilité.



Pressure Adjusting Range:
1 - 5 Bar
4 - 10 Bar

Notes

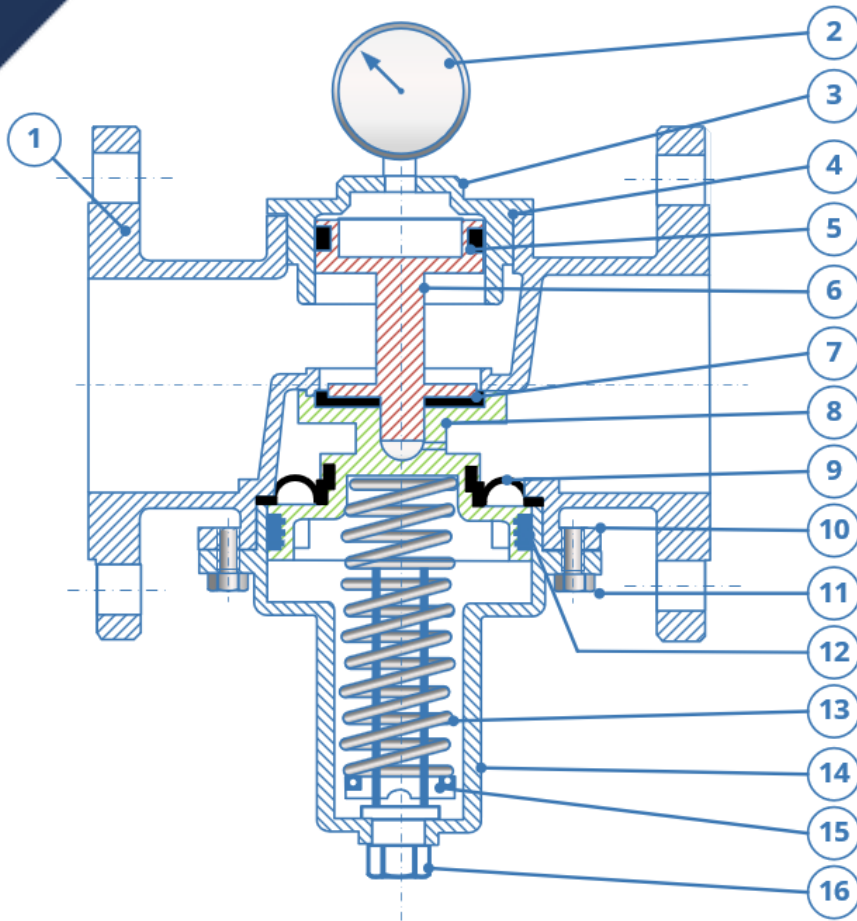
Pressure Gauge Displays Back Pressure
Pressure Test 35 Bar

General dimensions

| Port | L (mm) | A (mm) | Kg |
|-------|--------|--------|------|
| DN15 | 150 | 75 | 2 |
| DN20 | 150 | 82 | 2.8 |
| DN25 | 150 | 82 | 3.5 |
| DN40 | 190 | 115 | 5.9 |
| DN50 | 192 | 115 | 6.5 |
| DN65 | 210 | 185 | 11.5 |
| DN80 | 225 | 185 | 12 |
| DN100 | 250 | 230 | 19 |
| DN150 | 310 | 290 | 45 |

PRESSURE

| Port BSP | Flow Kv L/min | Maximum Inlet (Bar) | Part Number | Outlet Adjustment Range Options (1 - 5) or (4 - 10) |
|-------------|------------------|------------------------|--------------------------------|--|
| 1/2" | 35.75 | 25 | PR4513 + Seal + Pressure Range | |
| 3/4" | 57.2 | 25 | PR4513 + Seal + Pressure Range | |
| 1" | 93 | 25 | PR4513 + Seal + Pressure Range | |
| 1 1/2" | 185.9 | 25 | PR4513 + Seal + Pressure Range | |
| 2" | 243.1 | 25 | PR4513 + Seal + Pressure Range | |
| 2 1/2" | 429 | 25 | PR4513 + Seal + Pressure Range | |
| 3" | 600.6 | 25 | PR4513 + Seal + Pressure Range | |
| 4" | 1072.5 | 25 | PR4513 + Seal + Pressure Range | |
| 6" | 2431 | 25 | PR4513 + Seal + Pressure Range | |



Technical Information

| No. | Description | Material |
|-----|----------------|---------------------|
| 1 | Main Body | 316 Stainless steel |
| 2 | Gauge | Stainless Steel |
| 3 | Upper Cover | 316 Stainless steel |
| 4 | O Ring | NBR or VITON |
| 5 | U Ring | NBR or VITON |
| 6 | Shaft | 316 Stainless steel |
| 7 | Sealing Spacer | NBR or VITON |
| 8 | Set | 316 Stainless steel |
| 9 | Diaphragm | NBR or VITON |
| 10 | U H Spring | NBR or VITON |
| 11 | O Ring | NBR or VITON |
| 12 | Bolt | 304 Stainless steel |
| 13 | Spring | Spring Steel |
| 14 | Lower Cover | 316 Stainless steel |
| 15 | Washer | Brass |
| 16 | Adjusting Stem | 304 Stainless steel |

SEAL MATERIAL

| | |
|------------|--------------------------|
| STANDARD | NBR (80°C) FKM (80°C) |
| On Request | PTFE |



Pressure Adjusting Range:
1 - 5 Bar
4 - 10 Bar

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