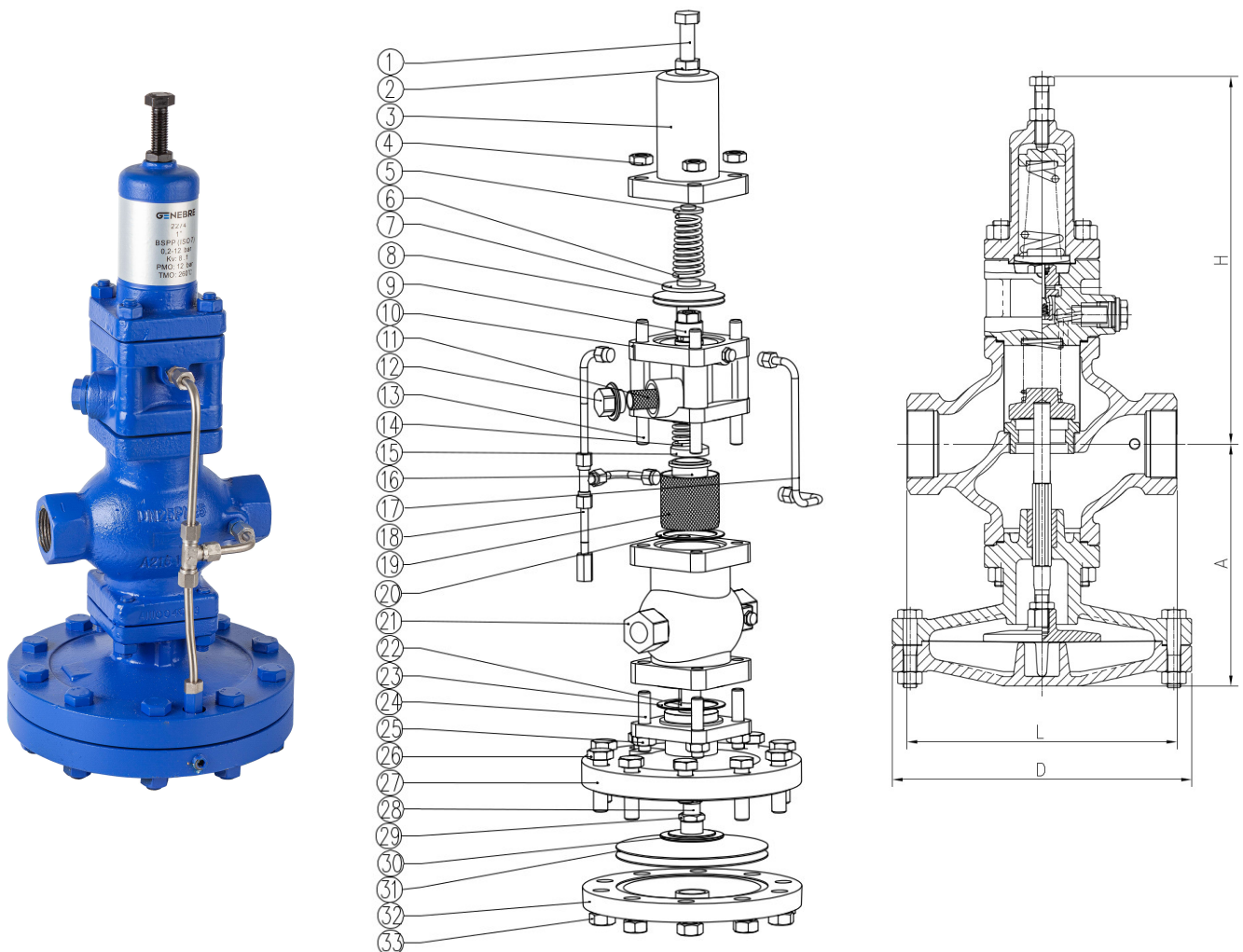


ARTICULO: 2274N

Válvula Reductora de Presión pilotada

Pilot operated Pressure Reducing Valve

| Características | Features |
|--|--|
| 1. Válvula reductora de presión pilotada para aplicaciones de vapor o aire comprimido. | 1. <i>Pilot operated Pressure reducing valve for steam or compressed air applications.</i> |
| 2. Extremos roscados según ASME B1.20.1 NPT. | 2. <i>Threaded ends according to ASME B1.20.1 NPT.</i> |
| 3. Cuerpo en acero al carbono 1.0619 (WCB). | 3. <i>Body in Carbon Steel 1.0619 (WCB).</i> |
| 4. Presión máxima admisible 25 bar. | 4. <i>Maximum allowable pressure 25 bar.</i> |
| 5. Presión máxima de trabajo aguas arriba para vapor saturado 17 bar. | 5. <i>Maximum upstream pressure for saturated steam service 17 bar.</i> |
| 6. Campo de regulación presión aguas abajo de 0.5 a 12 bar (un solo muelle). | 6. <i>Downstream Pressure range of 0.5 to 12 bar (one spring only).</i> |
| 7. Presión diferencial máxima 17 bar. | 7. <i>Maximum differential pressure 17 bar</i> |
| 8. Temperatura de trabajo: 0°C / 260°C. | 8. <i>Working temperature: 0°C / 260°C.</i> |



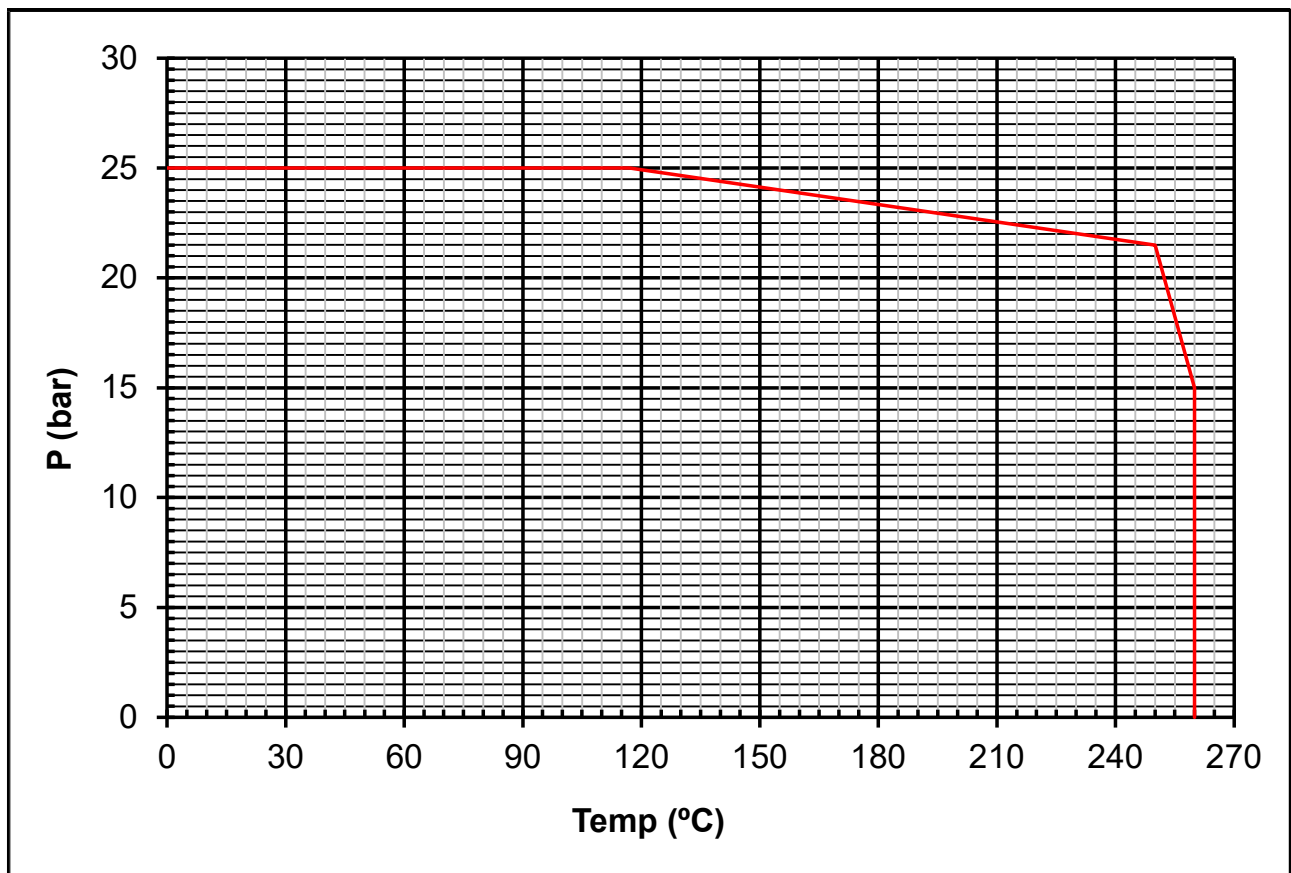
| Nº | Denominación / Name | Material | Acabado Superf. Finishing Surface | Recambios Spare Parts |
|----|--|--|-----------------------------------|---------------------------|
| 1 | Tornillo Regulación / <i>Regulating Bolt</i> | Acero al Carbono / <i>Carbon Steel</i> | Pavonado / <i>Blued</i> | ----- |
| 2 | Tuerca / <i>Nut</i> | Acero al Carbono / <i>Carbon Steel</i> | Pavonado / <i>Blued</i> | ----- |
| 3 | Tapa superior / <i>Upper cover</i> | Acero Fundido / <i>Cast Steel 1.0619 (WCB)</i> | Pintado / <i>Painted</i> | ----- |
| 4 | Tuerca / <i>Nut</i> | Acero al Carbono / <i>Carbon Steel</i> | Pintado / <i>Painted</i> | ----- |
| 5 | Guía Muelle / <i>Spring Guide</i> | Acero Inox / <i>Stainless Steel 2Cr13</i> | ----- | ----- |
| 6 | Regulating Spring / <i>Muelle Regulación</i> | Acero / <i>Steel 50CrVA</i> | ----- | M2274 |
| 7 | Pletina Muelle / <i>Spring Pad</i> | ZCuAl10Fe3 | ----- | ----- |
| 8 | Diafragma / <i>Diaphragm</i> | Acero Inox / <i>SS 12Cr17Ni7</i> | HRC 52-56 | DR2274 |
| 9 | Válvula Piloto / <i>Pilot Valve</i> | Acero Inox / <i>Stainless Steel 2Cr13</i> | ----- | VP2274 |
| 10 | Cámara Válvula Piloto / <i>Pilot Valve Chamber</i> | Acero Fundido / <i>Cast Steel 1.0619 (WCB)</i> | ----- | ----- |
| 11 | Filtro Válvula Piloto / <i>Pilot Valve Strainer</i> | Acero Inox / <i>Stainless Steel 1Cr18Ni9Ti</i> | ----- | FR2274 |
| 12 | Tapón / <i>Plug</i> | Acero Inox / <i>Stainless Steel 2Cr13</i> | ----- | ----- |
| 13 | Espárrago / <i>Stud</i> | Acero al Carbono / <i>Carbon Steel</i> | Pintado / <i>Painted</i> | ----- |
| 14 | Muelle Principal / <i>Main Valve Spring</i> | Acero / <i>Steel 50CrVA</i> | ----- | K2274 |
| 15 | Disco / <i>Disc</i> | Acero Inox / <i>Stainless Steel 2Cr13</i> | ----- | K2274 |
| 16 | Asiento / <i>Seat</i> | Acero Inox / <i>Stainless Steel 2Cr13</i> | ----- | K2274 |
| 17 | Tuberías Control / <i>Control Pipes</i> | Acero Inox / <i>Stainless Steel AISI 304</i> | ----- | ----- |
| 18 | Tuberías Equilibrio / <i>Balancing Pipes</i> | Acero Inox / <i>Stainless Steel AISI 304</i> | ----- | ----- |
| 19 | Filtro Principal / <i>Main Strainer</i> | Acero Inox / <i>SS 1Cr18Ni9Ti</i> | ----- | FP2274 |
| 20 | Junta Cuerpo / <i>Gasket</i> | Inoxidable + Grafito / <i>SS+ Graphite</i> | ----- | JC2274 K2274 FP2274 |
| 21 | Cuerpo / <i>Body</i> | Acero Fundido / <i>Cast Steel 1.0619 (WCB)</i> | Pintado / <i>Painted</i> | ----- |
| 22 | Casquillo / <i>Bushing</i> | Acero Inox / <i>SS 2Cr13</i> | ----- | ----- |
| 23 | Junta Cuerpo / <i>Gasket</i> | Inoxidable + Grafito / <i>SS + Graphite</i> | ----- | JC2274 |
| 24 | Espárrago / <i>Stud</i> | Acero al Carbono / <i>Carbon Steel</i> | Pintado / <i>Painted</i> | ----- |
| 25 | Tuerca / <i>Nut</i> | Acero al Carbono / <i>Carbon Steel</i> | Pintado / <i>Painted</i> | ----- |
| 26 | Tornillo / <i>Bolt</i> | Acero al Carbono / <i>Carbon Steel</i> | Pintado / <i>Painted</i> | ----- |
| 27 | Tapa superior diafragma / <i>Diaphragm upper cover</i> | Acero Fundido / <i>Cast Steel 1.0619 (WCB)</i> | Pintado / <i>Painted</i> | ----- |
| 28 | Eje / <i>Stem</i> | Acero Inox / <i>SS 2Cr13</i> | ----- | ----- |
| 29 | Tuerca / <i>Nut</i> | Acero al Carbono / <i>Carbon Steel</i> | Pintado / <i>Painted</i> | ----- |
| 30 | Plato diafragma / <i>Diaph Tray</i> | Acero Inox / <i>SS 2Cr13</i> | ----- | ----- |
| 31 | Diafragma princ. / <i>Main diaphragm</i> | Acero Inox / <i>SS 12Cr17Ni7</i> | HRC 52-56 | DP2274 |
| 32 | Tapa inferior diafragma / <i>Diaphragm under cover</i> | Acero Fundido / <i>Cast Steel 1.0619 (WCB)</i> | Pintado / <i>Painted</i> | ----- |
| 33 | Tuerca Nut | Acero al Carbono / <i>Carbon Steel</i> | Pintado / <i>Painted</i> | ----- |

DIMENSIONES GENERALES / GENERAL DIMENSIONS

| Ref. | Medida / Size | PN | H | Dimensiones / Dimensions (mm) | | | Kv (m ³ /h)* | Peso / Weight (Kg) |
|----------|---------------|----|-----|-------------------------------|-----|-----|-------------------------|--------------------|
| | | | | A | L | D | | |
| 2274N 04 | 1/2" | 25 | 302 | 150 | 147 | 185 | 2,8 | 14,300 |
| 2274N 05 | 3/4" | 25 | 302 | 155 | 150 | 185 | 5,5 | 14,600 |
| 2274N 06 | 1" | 25 | 308 | 165 | 160 | 210 | 8,1 | 17,100 |
| 2274N 07 | 1 1/4" | 25 | 308 | 175 | 180 | 210 | 12 | 18,400 |
| 2274N 08 | 1 1/2" | 25 | 316 | 196 | 200 | 235 | 17 | 27,100 |
| 2274N 09 | 2" | 25 | 324 | 205 | 230 | 235 | 28 | 30,600 |

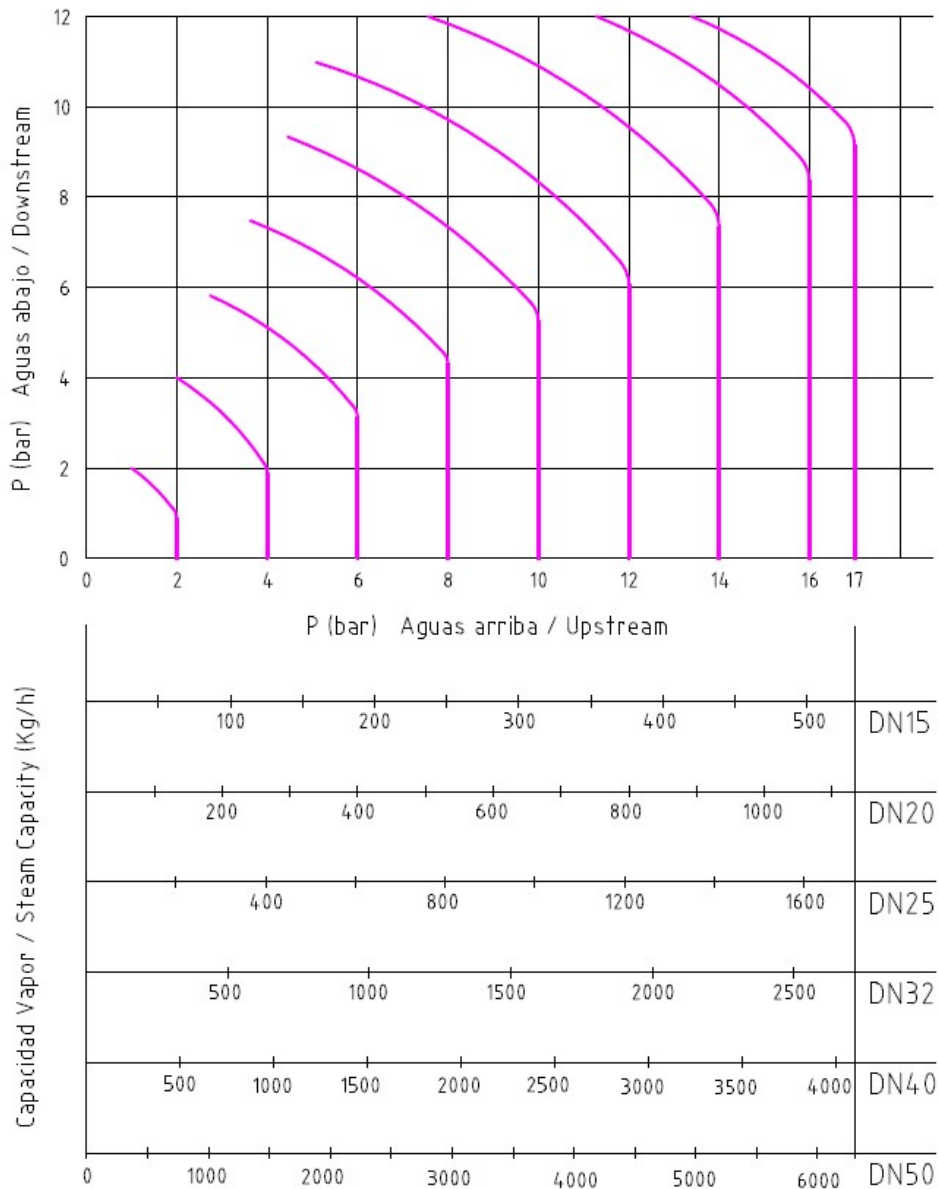
*Caudal de agua a / Water flow at 20 °C (ΔP=1 bar)

CURVA PRESIÓN TEMPERATURA / PRESSURE TEMPERATURE RATING



DIAGRAMAS DE CAPACIDAD / CAPACITY CHARTS

VAPOR - STEAM



Ejemplo: una válvula medida DN40 que reduce de 10 bar (aguas arriba) a 7 bar (aguas abajo) es capaz de circular 2000 Kg/h de vapor, aproximadamente.

Example: a valve size DN40 reducing from 10 bar (upstream) to 7 bar (downstream) is able to flow 2000 Kg/h of steam, approximately.

AIRE COMPRIMIDO – COMPRESSED AIR

