

Pressure Reducing Valve

The product designed in consideration of stable operation displays its superior performance under the severe condition of fluid change. It severe pressure reducing from inlet's high pressure to outlet's low pressure. And it is self-acting type valve.

KPR-PL

It usually use in steam and/or gas. The operating is pilot type so the capacity of valve is large. And the outlet pressure change with inlet Pressure change is small.

KPR-HP

It's Air only. Designed to use under high pressure by pilot control Type operating. So the off-set is small and Simply construction and semi-permanent with less malfunction.



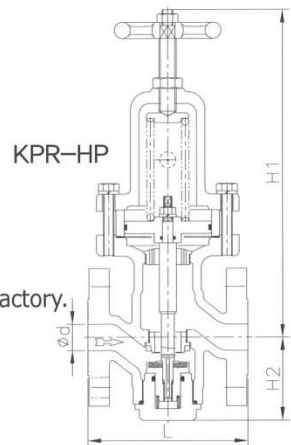
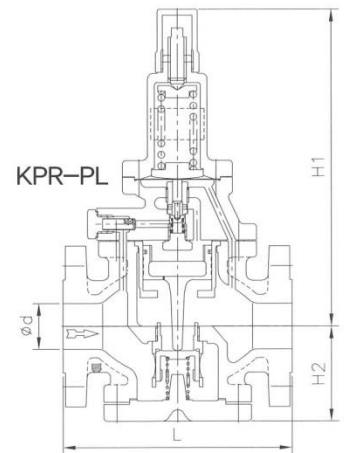
KPR-PL

Specification

| Model | | KPR-PL | KPR-HP |
|---------------------------|------|---------------------------------------|-------------------------------|
| Type | | Pilot | Cylinder |
| Applicable Fluids | | Steam, Air | Air |
| Applicable Press. / Temp. | | 20 kgf/cm ² / 220°C | 40 kgf/cm ² / 80°C |
| Max. Reducing Ratio | | 10 : 1 | 10 : 1 |
| Material | Body | Ductile Cast Iron, Bronze, Cast Steel | Cast Steel |
| | Trim | Stainless Steel | |
| Size | | 15~150mm | 15~50 mm |

Dimensions

| (mm) | | | | | | |
|--------|---------------|-----|-----|-----|-----|----------------|
| Model | Size mm(inch) | d | L | H1 | H2 | Weight Abt(Kg) |
| KPR-PL | 15(1/2") | 15 | 165 | 270 | 68 | 8 |
| | 20(3/4") | 20 | 169 | 270 | 68 | 9 |
| | 25(1") | 25 | 170 | 270 | 68 | 12 |
| | 32(1.1/4") | 32 | 192 | 285 | 90 | 17 |
| | 40(1.1/2") | 40 | 192 | 285 | 90 | 18 |
| | 50(2") | 50 | 210 | 290 | 95 | 22 |
| | 65(2.1/2") | 65 | 290 | 330 | 136 | 30 |
| | 80(3") | 80 | 310 | 360 | 150 | 41 |
| | 100(4") | 100 | 350 | 370 | 170 | 71 |
| | 125(5") | 125 | 390 | 480 | 185 | 86 |
| KPR-HP | 15(1/2") | 15 | 145 | 360 | 75 | 12 |
| | 20(3/4") | 20 | 145 | 360 | 75 | 13 |
| | 25(1") | 25 | 150 | 370 | 78 | 14 |
| | 32(1.1/4") | 32 | 182 | 400 | 96 | 15 |
| | 40(1.1/2") | 40 | 182 | 400 | 96 | 17 |
| | 50(2") | 50 | 210 | 410 | 110 | 18 |



Notes : 1. Also available in JIS, DIN and ANSI. For all other standards please consult factory.

2. Weights(Ductile Cast Iron) are approximate and applied JIS 10K.

3. The flanges shall conform by JIS B2220.

Pressure Reducing Valve

This valve reduce from inlet high pressure to outlet low set pressure. So it can keep the system's required pressure. The valve is self-acting type.

KPR-CY

It is available on both fluid & gas. It is external sensor type. It is an optimum of valve type to use under liquid of high viscosity the maximum reducing rate is large and Simply construction and semi-permanent.

KPR-TU

fluid(liquid) only. The operating is pilot type so the capacity of valve is large. It can use under high temp / press. The operating part is small as used piping line size.



KPR-CY

Specification

| Model | | KPR-CY | KPR-TU |
|---------------------------|------|---------------------------------------|-----------------------|
| Type | | Cylinder | Throttle Unit (Pilot) |
| Applicable Fluids | | Air, Water, Oil | |
| Applicable Press. / Temp. | | 20 kgf/cm ² / 150°C | |
| Max. Reducing Ratio | | 10 : 1 | |
| Material | Body | Ductile Cast Iron, Bronze, Cast Steel | |
| | Trim | Stainless Steel | |
| Size | | 15~80mm | 100~200 mm |

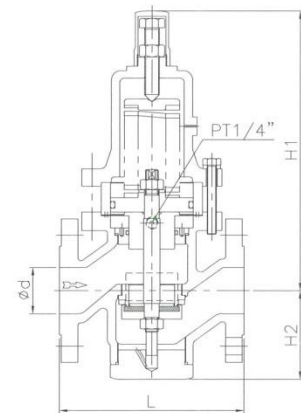
Dimensions

| Model | Size mm(inch) | d | L | H1 | H2 | (mm) |
|--------|------------------|-----|-----|-----|-----|-------------------|
| | | | | | | Weight Awt(Kg) |
| KPR-CY | 15(1/2") | 15 | 136 | 220 | 60 | 7 |
| | 20(3/4") | 20 | 140 | 220 | 60 | 8 |
| | 25(1") | 25 | 150 | 255 | 65 | 14 |
| | 32(1.1/4") | 32 | 190 | 285 | 79 | 19 |
| | 40(1.1/2") | 40 | 190 | 285 | 79 | 21 |
| | 50(2") | 50 | 200 | 303 | 86 | 23 |
| | 65(2.1/2") | 65 | 230 | 410 | 92 | 38 |
| KPR-HP | 80(3") | 80 | 262 | 415 | 125 | 49 |
| | 100(4") | 100 | 350 | 390 | 170 | 71 |
| | 125(5") | 125 | 390 | 400 | 185 | 86 |
| | 150(6") | 150 | 456 | 430 | 222 | 108 |
| | 200(8") | 200 | 543 | 445 | 242 | 135 |

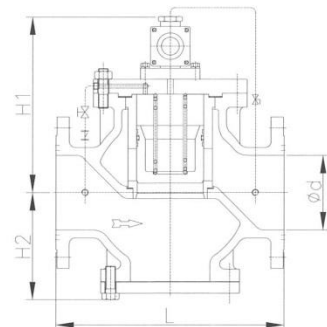
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KPR-HP