

CL1 BALL VALVE

PVC-U - PP

FEATURES

The CL1 ball-valves are 2-way full-bore valves intended for current valve applications. This economical valve, PN10, is used to isolate low-pressure water, acid or alkaline fluid networks (cf. Sectoriel's table of resistance of materials). The PTFE seat gaskets guarantee a long service life. The materials used are anti-UV coated. Fully removable model. Wall-mount with optional metal insert.



AVAILABLE VERSIONS

| REFERENCE | BODY | GASKETS |
|-------------|-------|---------|
| 5100SC ---* | PVC-U | EPDM |
| 5101SC ---* | PVC-U | FPM |
| 5110SC ---* | PP | EPDM |
| 5111SC ---* | PP | FPM |

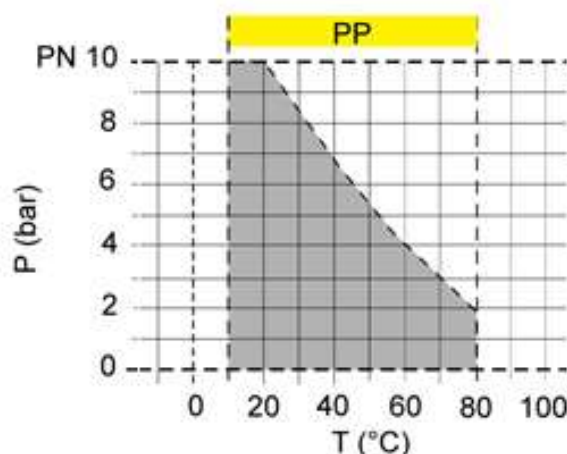
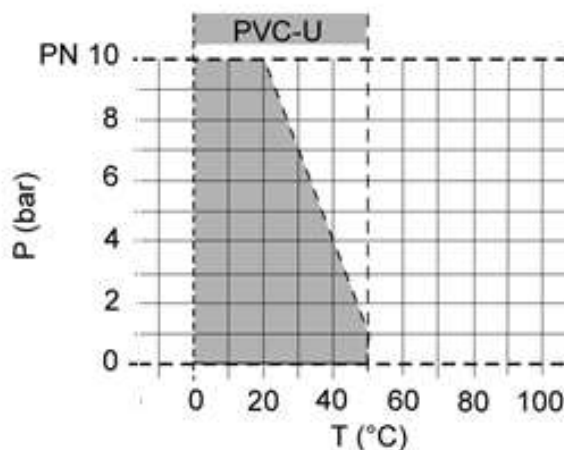
Diameter: DN15 to DN100

Union coupling with female end according to DIN/ISO
Optional BSP thread.



* --- DN of the valve (e.g. CL1 PVC-U/FPM DN25 valve code 5101SC025)

LIMITS OF USE



The limits of each material are valid for the nominal pressures indicated, and for a service life of 25 years. These are indicative values for non-hazardous transported materials (DIN 2403), for which the valve material is resistant. Please contact us for use at temperatures below 0°C (+10°C for PP).

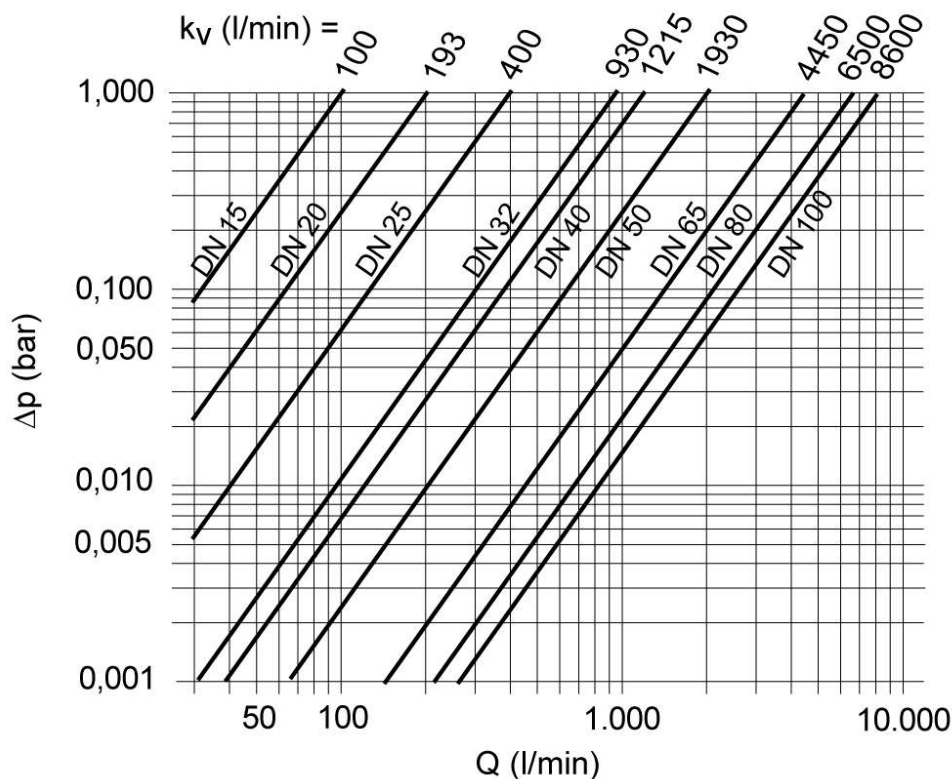
Information given as an indication only, and subject to possible modifications

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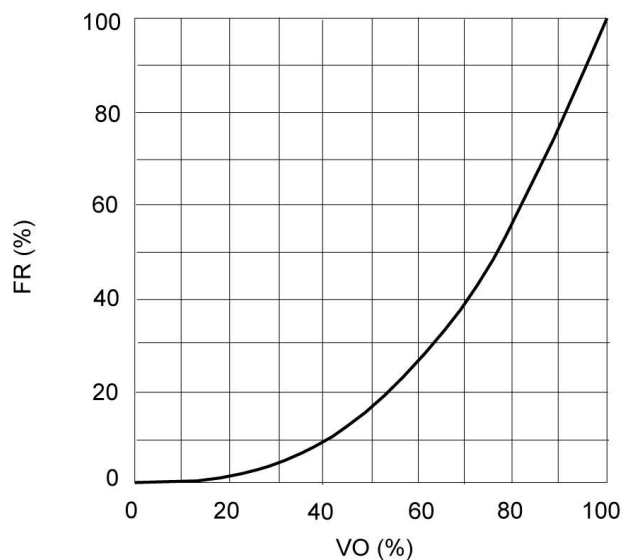
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HYDRAULIC FEATURES

Pressure drop curve (Indicative value for H₂O at 20°C)



ΔP = Pressure drop
 Q = Flow-rate



VO = valve opening
 FR = K_v value

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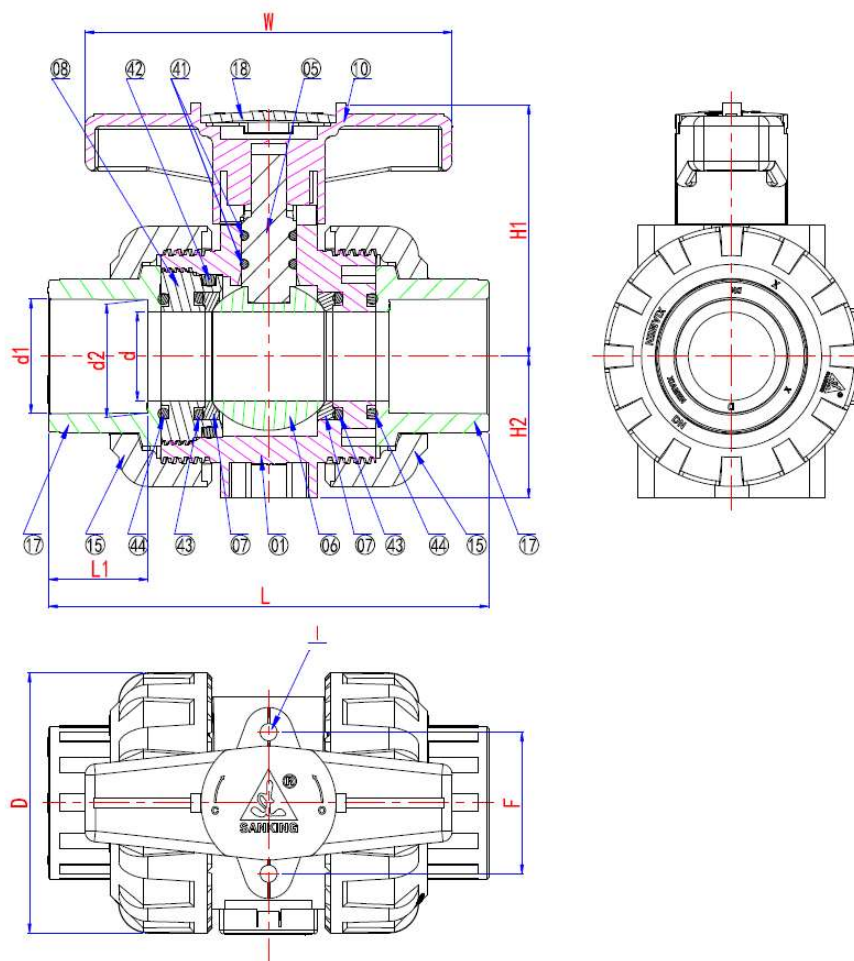
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DIMENSIONS (mm) DN 15 to DN50

| PVC-U | | | | | | | | | | | |
|-------|----|------|------|------|-----|------|-----|------|-------|----|----|
| DN | d | d1 | d2 | D | L | L1 | W | H1 | H2 | F | I |
| 15 | 20 | 20.3 | 20.1 | 54 | 107 | 22.3 | 84 | 52.5 | 27.5 | 31 | M5 |
| 20 | 25 | 25.3 | 25.1 | 63 | 115 | 25.5 | 90 | 59 | 32 | 33 | M5 |
| 25 | 32 | 32.3 | 32.1 | 73.5 | 129 | 28.6 | 106 | 67.5 | 37.25 | 40 | M5 |
| 32 | 40 | 40.3 | 40.1 | 84.5 | 144 | 32 | 116 | 77.5 | 42.75 | 52 | M8 |
| 40 | 50 | 50.3 | 50.1 | 98 | 161 | 35 | 128 | 90 | 50 | 52 | M8 |
| 50 | 63 | 63.3 | 63.1 | 118 | 173 | 38 | 140 | 106 | 60 | 70 | M8 |

| PP | | | | | | | | | | | |
|----|----|------|------|------|-----|------|-----|------|-------|----|----|
| DN | d | d1 | d2 | D | L | L1 | W | H1 | H2 | F | I |
| 15 | 20 | 19.2 | 19 | 54 | 105 | 15 | 84 | 52.5 | 27.5 | 31 | M5 |
| 20 | 25 | 24.2 | 23.9 | 63 | 111 | 16.5 | 90 | 59 | 32 | 33 | M5 |
| 25 | 32 | 31.1 | 30.9 | 73.5 | 124 | 18.5 | 106 | 67.5 | 37.25 | 40 | M5 |
| 32 | 40 | 39 | 38.8 | 84.5 | 138 | 21 | 116 | 77.5 | 42.75 | 52 | M8 |
| 40 | 50 | 48.9 | 48.7 | 101 | 166 | 24 | 128 | 90 | 50 | 52 | M8 |
| 50 | 63 | 61.9 | 61.6 | 123 | 185 | 28 | 140 | 106 | 60 | 70 | M8 |



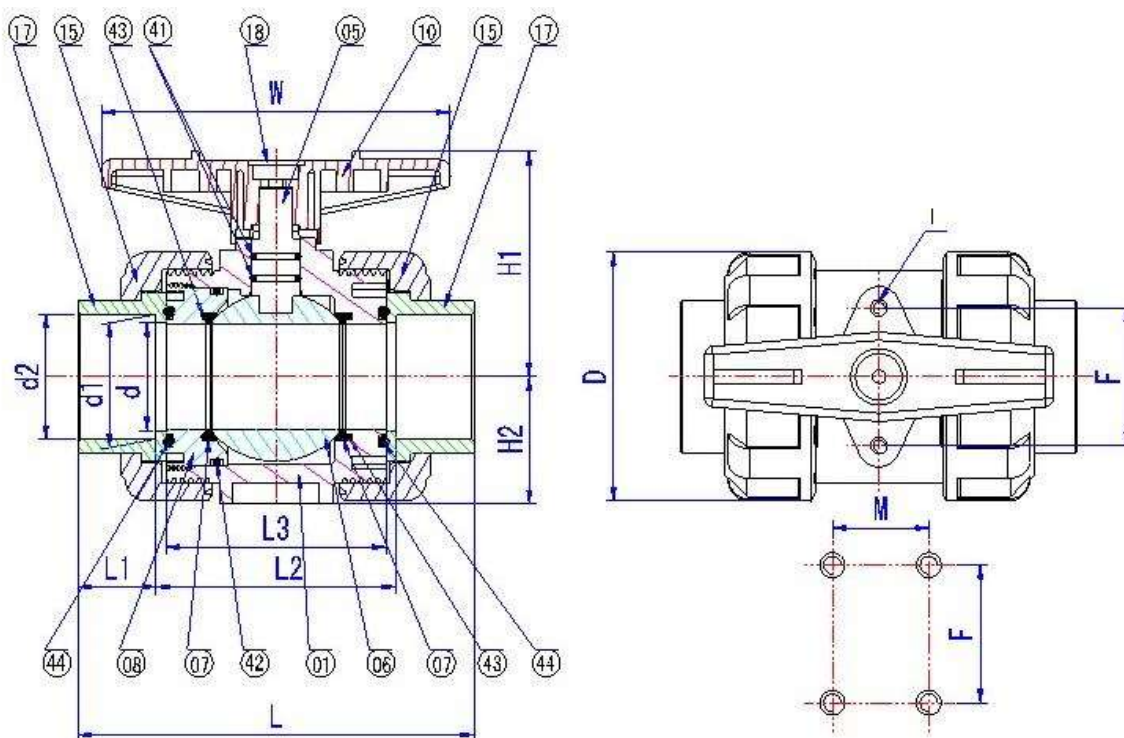
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DIMENSIONS (mm) DN 65 to DN 100

| DN | d | d1 | d2 | D | L | L1 | L2 | L3 | W | H1 | H2 | F | M |
|-----|-----|--------|--------|-----|-------|----|-------|-------|-----|-------|------|-----|----|
| 65 | 75 | 75.30 | 75.10 | 150 | 238.5 | 47 | 144.5 | 132.5 | 210 | 136.5 | 76.5 | 84 | 45 |
| 80 | 90 | 90.40 | 90.10 | 169 | 268 | 51 | 166 | 150 | 235 | 149.5 | 86 | 84 | 45 |
| 100 | 110 | 110.40 | 110.10 | 211 | 318 | 61 | 196 | 172 | 260 | 175 | 107 | 121 | 49 |



CONSTRUCTION

| N° | Item | CL1 PVC-U | CL1 PP | N° | Item | CL1 PVC-U | CL1 PP |
|----|--------------|-----------|--------|----|-----------------|------------|------------|
| 01 | Body | PVC-U | PP | 17 | Collar | PVC-U | PP |
| 05 | Stem | PVC-U | PP | 18 | Cap | ABS | ABS |
| 06 | Ball | PVC-U | PP | 41 | Stem gaskets | EPDM / FPM | EPDM / FPM |
| 07 | Ball gaskets | PTFE | PTFE | 42 | Ring gasket | EPDM / FPM | EPDM / FPM |
| 08 | Support ring | PVC-U | PP | 43 | Closing gaskets | EPDM / FPM | EPDM / FPM |
| 10 | Handle | ABS | ABS | | | | |
| 15 | Union nut | PVC-U | PP | 44 | Union gaskets | EPDM / FPM | EPDM / FPM |

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