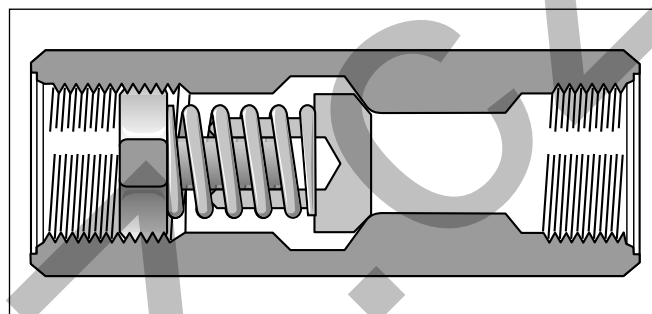
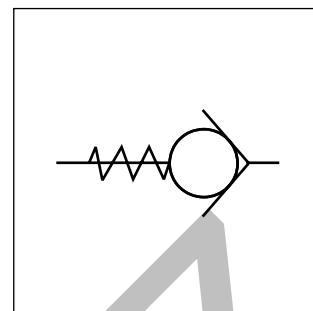


Manatrol check valves of series C for pipe mounting provide free flow in one direction and block flow in the counter direction. Depending on material specification, these valves are suited for use in hydraulic and pneumatic systems.

Specific poppets and poppet guides ensure reliable functional integrity even at high flow rates and/or pulsations.



Technical data

| Size | | | 200 | 400 | 600 | 800 | 1200 | 1600 |
|--------------------------|-------|---------|-----|-----|-----|-----|------|------|
| Max. operating pressure | steel | [bar] | 350 | 350 | 350 | 350 | 350 | 210 |
| | brass | [bar] | 140 | 140 | 140 | 140 | 140 | 34 |
| Pressure drop Δp | | [bar] | 10 | 10 | 10 | 10 | 1 | 1 |
| Flow Q | | [l/min] | 40 | 65 | 110 | 155 | 112 | 160 |

Ordering code

☐
Thread type

☒
C
Pipe mounting

☐
Port size

☐
Body

☐
Opening pressure

| Code | Thread |
|----------|-------------|
| omit | NPTF |
| 9 | BSPP |

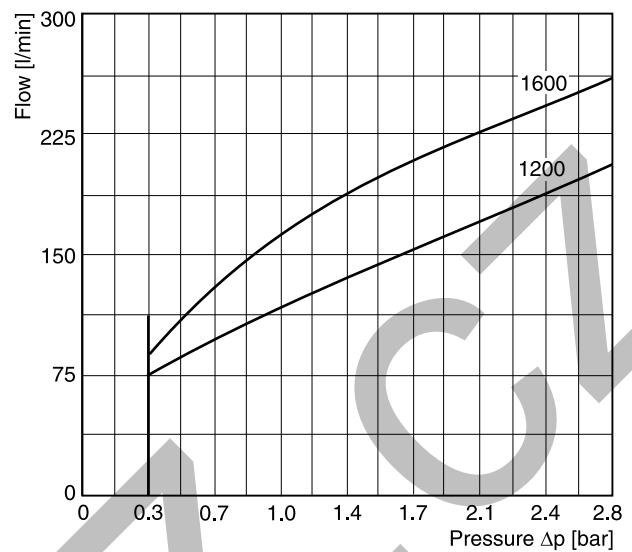
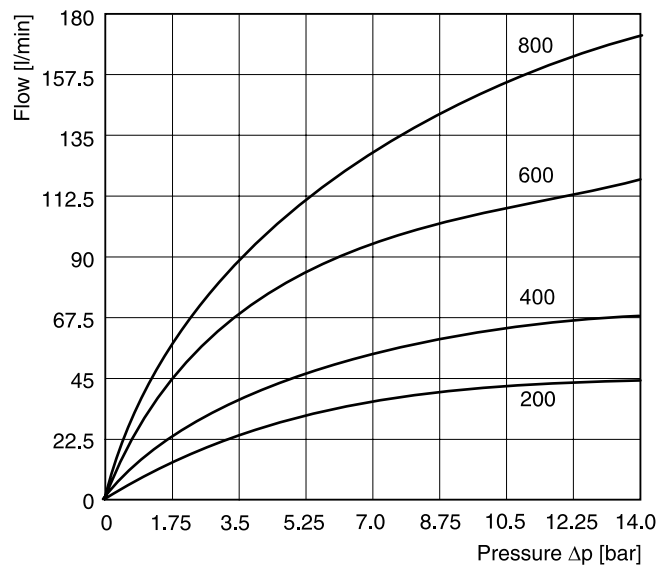
| Code | Size |
|-------------|------------|
| 200 | 1/8 |
| 400 | 1/4 |
| 600 | 3/8 |
| 800 | 1/2 |
| 1200 | 3/4 |
| 1600 | 1 |

| Code | Pressure [bar] |
|------|----------------|
| omit | 0.35 |
| 65 | 4.5 |

| Code | Body |
|----------|--------------|
| S | Steel |
| B | Brass |

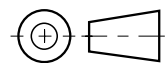
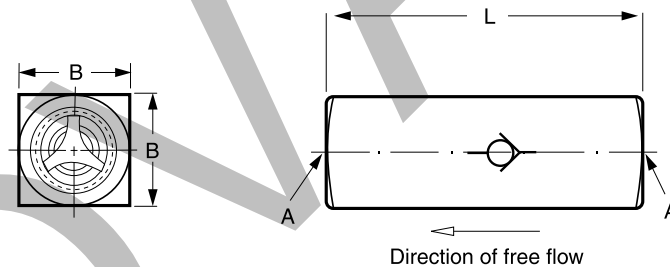
Bold letters =
Short-term availability

$\Delta p/Q$ performance curves



All characteristic curves measured with HLP46 at 50 °C.

Dimensions



| Size | Threaded connection R* | | Dimensions [mm] | | Weight [kg] |
|--------|------------------------|---------------|-----------------|-----|-------------|
| | G thread | NPTF thread | B | L | |
| C 200 | R 1/8" | 1/8-27 NPTF | 16 | 51 | 0.05 |
| C 400 | R 1/4" | 1/4-18 NPTF | 21 | 66 | 0.2 |
| C 600 | R 3/8" | 3/8-18 NPTF | 25 | 70 | 0.2 |
| C 800 | R 1/2" | 1/2-14 NPTF | 32 | 87 | 0.6 |
| C 1200 | R 3/4" | 3/4-14 NPTF | 38 | 99 | 0.9 |
| C 1600 | R 1" | 1-11-1/2 NPTF | 45 | 127 | 1.5 |

* For alternative thread design, see ordering code.