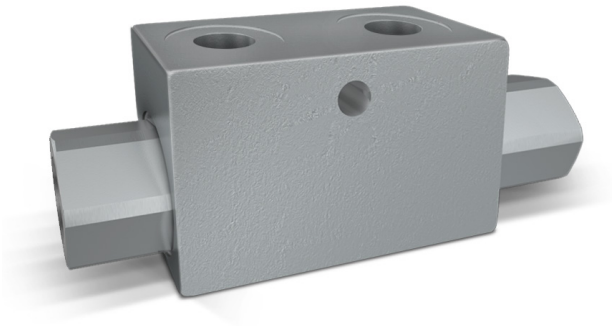
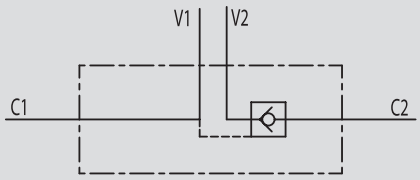
# VALVOLE DI BLOCCO PILOTATE A SEMPLICE EFFETTO A 4 VIE

TIPO / TYPE
**VBPSE**



SCHEMA IDRAULICO
HYDRAULIC DIAGRAM




## SINGLE PILOT OPERATED CHECK VALVES

**IMPIEGO:**
Valvola utilizzata per bloccare in posizione un cilindro in un solo senso, consentendo il flusso in una direzione ed impedendolo in senso contrario fino a quando non viene applicata la pressione di pilotaggio.

**MATERIALI E CARATTERISTICHE:**
Corpo: acciaio zincato
Componenti interni: acciaio temprato termicamente e rettificato
Guarnizioni: BUNA N standard
Tenuta: a cono guidato. Non ammette trafilamenti

**MONTAGGIO:**
Collegare V1 e V2 all'alimentazione, C1 al lato dell'attuatore con flusso libero e C2 al lato dell'attuatore dove si desidera la tenuta.

**A RICHIESTA**
- senza guarnizione OR sul pilota
- molla 1 Bar
- molla 8 Bar

**USE AND OPERATION:**
These valves are used to block the cylinder in one direction. The flow is free in one direction and blocked in the reverse direction until pilot pressure is applied.

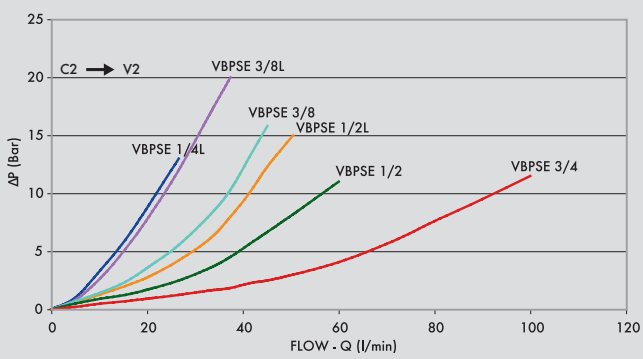
**MATERIALS AND FEATURES:**
Body: zinc-plated steel
Internal parts: hardened and ground steel
Seals: BUNA N standard
Poppet type: any leakage.

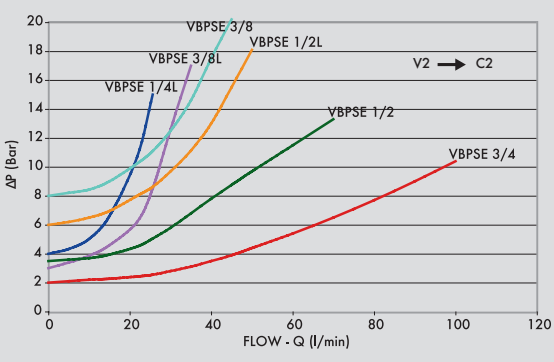
**APPLICATIONS:**
Connect V1 and V2 to the pressure flow, C1 to the free flow side of the actuator and C2 to the actuator's side you want the flow to be blocked.

**ON REQUEST**
- without seal on pilot piston
- 1 Bar spring
- 8 Bar spring

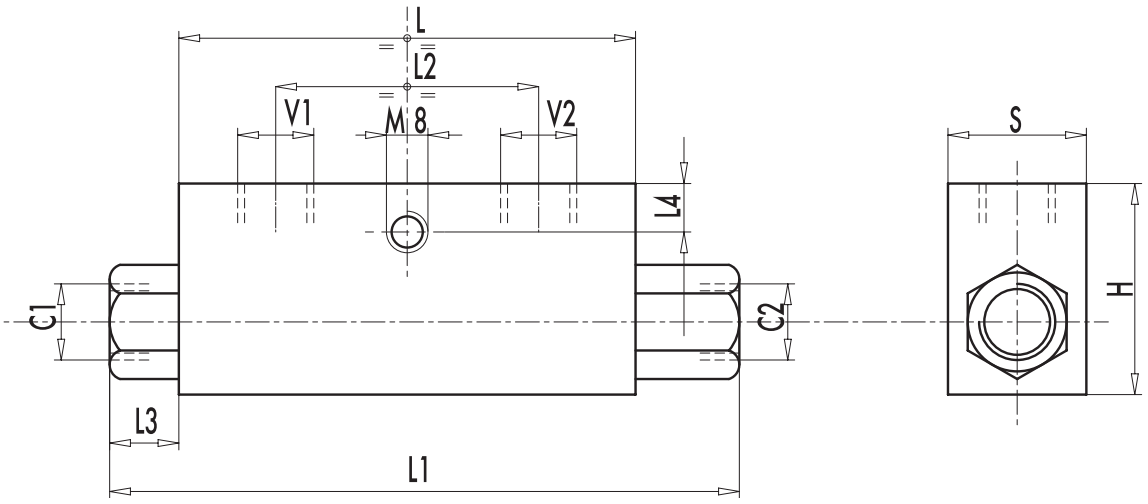
PERDITE DI CARICO
PRESSURE DROPS CURVE

Temperatura olio: 50°C - Viscosità olio: 30 cSt
Oil temperature: 50° C - Oil viscosity: 30 cSt



| CODICE<br>CODE | SIGLA<br>TYPE | RAPP. PILOT<br>PILOT RATIO | PORTATA MAX<br>MAX FLOW<br>Lt. / min | PRESSIONE MAX<br>MAX PRESSURE<br>Bar | PRESSIONE APERTURA<br>CRACKING PRESSURE<br>Bar |
|---|---|---|---|---|---|
| **V0220** | VBPSE 1/4" L 4 VIE | 1:5,5 | 20 | 350 | 4 |
| **V0230** | VBPSE 3/8" L 4 VIE | 1:5,5 | 35 | 350 | 3 |
| **V0240** | VBPSE 1/2" L 4 VIE | 1:5 | 50 | 350 | 6 |
| **V0250** | VBPSE 3/8" 4 VIE | 1:5 | 45 | 350 | 8 |
| **V0260** | VBPSE 1/2" 4 VIE | 1:4 | 70 | 350 | 3,5 |
| **V0245** | VBPSE 3/4" 4 VIE | 1:4 | 100 | 350 | 2 |




| CODICE<br>CODE | SIGLA<br>TYPE | V1 - V2<br>C1 - C2<br>GAS - MET | L<br>mm | L1<br>mm | L2<br>mm | L3<br>mm | L4<br>mm | H<br>mm | S<br>mm | PESO<br>WEIGHT<br>kg |
|---|---|---|---|---|---|---|---|---|---|---|
| **V0220** | VBPSE 1/4" L 4 VIE | G 1/4" | 64 | 106,5 | 36 | 18,5 | 8 | 40 | 30 | 0,612 |
| **V0230** | VBPSE 3/8" L 4 VIE | G 3/8" | 80 | 120 | 38 | 16 | 8 | 40 | 30 | 0,706 |
| **V0240** | VBPSE 1/2" L 4 VIE | G 1/2" | 90 | 133 | 45 | 17 | 12,5 | 45 | 35 | 0,994 |
| **V0250** | VBPSE 3/8" 4 VIE | G 3/8" | 90 | 148 | 45 | 25 | 12,5 | 45 | 35 | 1,130 |
| **V0260** | VBPSE 1/2" 4 VIE | G 1/2" | 80 | 134 | 40 | 23 | 18 | 60 | 35 | 1,214 |
| **V0245** | VBPSE 3/4" 4 VIE | G 3/4" | 100 | 182 | 46 | 36 | 12 | 60 | 40 | 1,792 |