



**Type VUPSL**  
**pilot operated check valves**

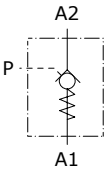
- Single acting

Technical specifications and diagrams are measured with mineral oil ISO VG32 at 50°C (122°F) temperature.

|                                            | VUPSL 14 <sup>(1)</sup>                                                      | VUPSL 38                  | VUPSL 12                  | VUPSL 34                  | VUPSL 100                  |
|--------------------------------------------|------------------------------------------------------------------------------|---------------------------|---------------------------|---------------------------|----------------------------|
| Nominal flow                               | 25 l/min<br>(6.6 US gpm)                                                     | 40 l/min<br>(10.6 US gpm) | 60 l/min<br>(15.9 US gpm) | 90 l/min<br>(23.8 US gpm) | 130 l/min<br>(34.3 US gpm) |
| Max. pressure                              | 350 bar (5100 psi)                                                           | 350 bar (5100 psi)        | 350 bar (5100 psi)        | 300 bar (4350 psi)        | 260 bar (3750 psi)         |
| Oil leakage                                | 0.25 cm <sup>3</sup> /min (0.015 in <sup>3</sup> /min) at 210 bar (3050 psi) |                           |                           |                           |                            |
| Fluid                                      | mineral based oil                                                            |                           |                           |                           |                            |
| Viscosity                                  | from 10 to 200 cSt                                                           |                           |                           |                           |                            |
| Max. level of contamination                | 18/16/13 ISO4406                                                             |                           |                           |                           |                            |
| Fluid temperature                          | with NBR seals: from -28°C (-18°F) to 100°C (212°F)                          |                           |                           |                           |                            |
| Environmental temp. for working conditions | from -40°C (-40°F) to 100°C (212°F)                                          |                           |                           |                           |                            |
| Weight                                     | steel 0.69 kg (1.52 lb)                                                      | 0.93 kg (2.05 lb)         | 1.08 kg (2.38 lb)         | 2.316 kg (5.10 lb)        | 2.355 kg (5.19 lb)         |

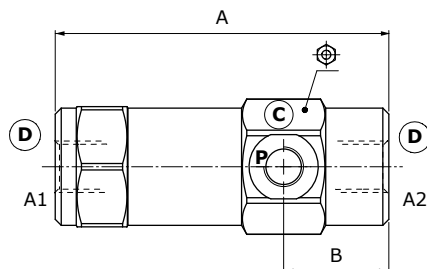
NOTE - For different conditions, please contact Walvoil Sales Dpt.

<sup>(1)</sup> VUPSL14 valve require the bonded seal cod. 440068 on port P.



### Dimensions

| Valve type | P    | D    |
|------------|------|------|
| VUPSL 14   | G1/4 | G1/4 |
| VUPSL 38   | G1/4 | G3/8 |
| VUPSL 12   | G1/4 | G1/2 |
| VUPSL 34   | G1/4 | G3/4 |
| VUPSL 100  | G1/4 | G1   |

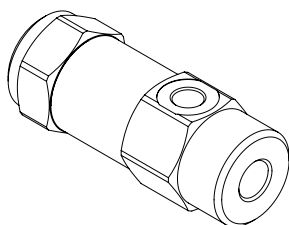


Dimensions are in mm-in

| Valve type | A          | B         | C  |
|------------|------------|-----------|----|
| VUPSL 14   | 103-4.05   | 32.5-1.28 | 36 |
| VUPSL 38   | 111-4.37   | 35-1.38   | 40 |
| VUPSL 12   | 122-4.8    | 38-1.5    | 42 |
| VUPSL 34   | 145.5-5.73 | 44.5-1.75 | 55 |
| VUPSL 100  | 164-6.46   | 44.5-1.75 | 55 |

### Ordering codes and description composition

Port size      Opening pressure  
**VUPSL 38/p6 /Pa1**  
 Pilot ratio



#### VUPSL complete valves

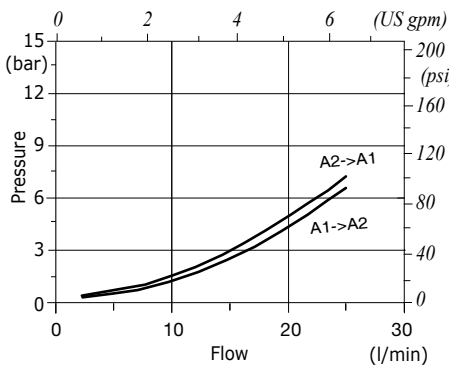
With steel body

| TYPE               | CODE       | DESCRIPTION                  |
|--------------------|------------|------------------------------|
| VUPSL 14/p9,5/Pa1  | 1401010100 | G1/4 port, pilot ratio 1:9.5 |
| VUPSL 38/p6/Pa1    | 1401020100 | G3/8 port, pilot ratio 1:6   |
| VUPSL 12/p4,3/Pa1  | 1401030100 | G1/2 port, pilot ratio 1:4.3 |
| VUPSL 34/p4,4/Pa1  | 1401040100 | G3/4 port, pilot ratio 1:4.4 |
| VUPSL 100/p3,5/Pa1 | 1401050100 | G1" port, pilot ratio 1:3.5  |

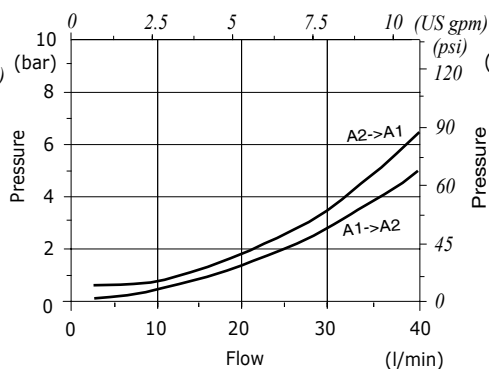
For different configurations or SAE thread please contact our Sales Dpt.

### Rating diagrams

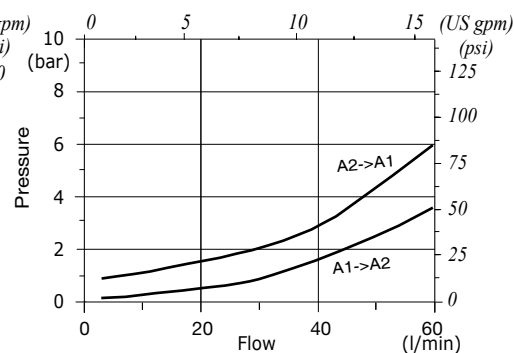
VUPSL 14 pressure drop vs. flow



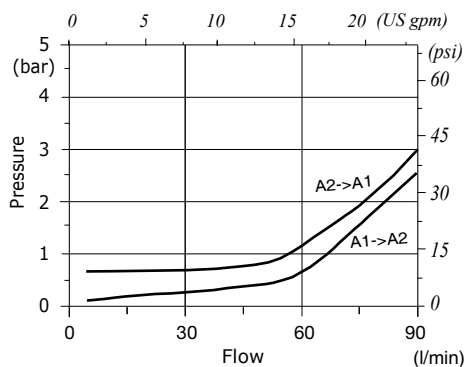
VUPSL 38 pressure drop vs. flow



VUPSL 12 pressure drop vs. flow



VUPSL 34 pressure drop vs. flow



VUPSL 100 pressure drop vs. flow

