

Type VUPSL
pilot operated check valves

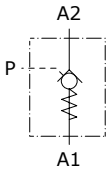
- Single acting

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

	VUPSL 14 (1)	VUPSL 38	VUPSL 12	VUPSL 34	VUPSL 100
Nominal flow	25 l/min *(6.6 US gpm)*	40 l/min *(10.6 US gpm)*	60 l/min *(15.9 US gpm)*	90 l/min *(23.8 US gpm)*	130 l/min *(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^3/min *(0.015 in^3/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)*

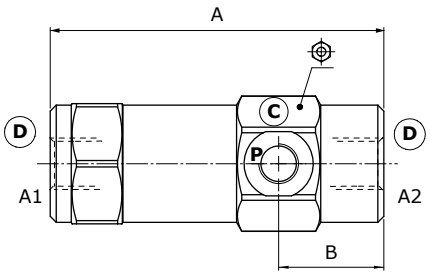
NOTE - For different conditions, please contact Walvoil Sales Dpt.

(1) 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*

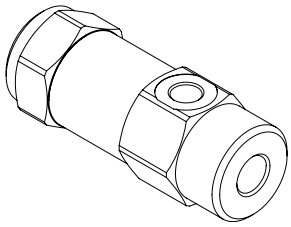
Valve type	A	B	
VUPSL 14	103-*4.05*	*32.5-1.28*	36
VUPSL 38	111-*4.37*	*35-1.38*	40
VUPSL 12	122-*4.8*	*38-1.5*	42
VUPSL 34	145.5-*5.73*	*44.5-1.75*	55
VUPSL 100	164-*6.46*	*44.5-1.75*	55

Ordering codes and description composition

Port size — Opening pressure

VUPSL 38/p6 /Pa1

Pilot ratio



VUPSL complete valves

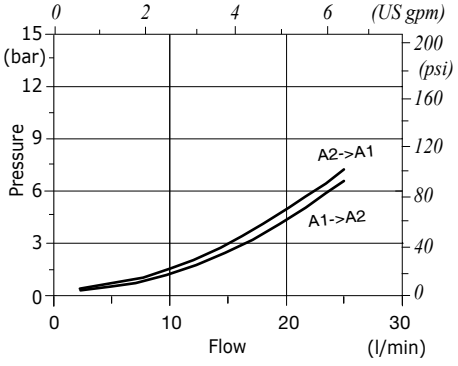
With steel body

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

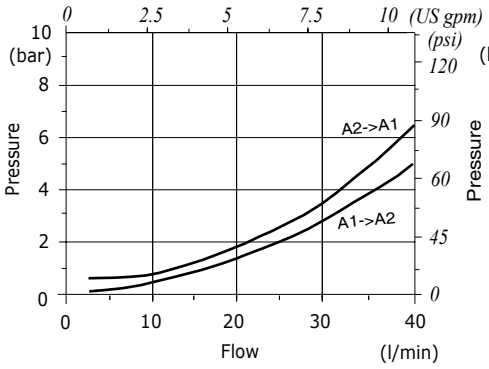
For different configurations or SAE thread please contact our Sales Dpt.

Rating diagrams

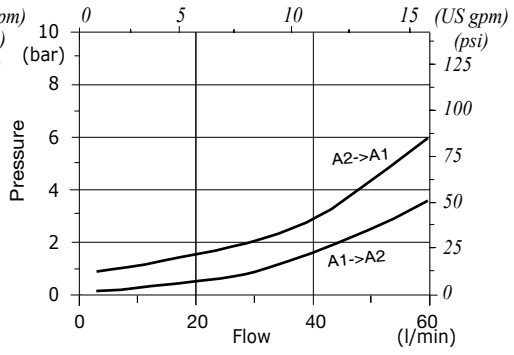
VUPSL 14 pressure drop vs. flow



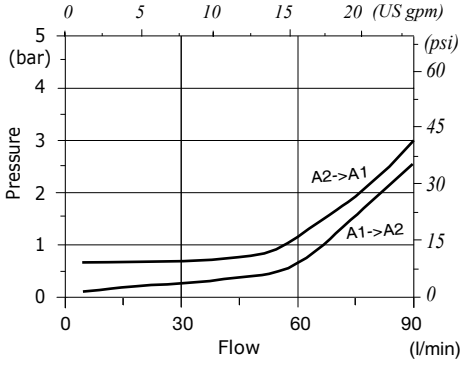
VUPSL 38 pressure drop vs. flow



VUPSL 12 pressure drop vs. flow



VUPSL 34 pressure drop vs. flow



VUPSL 100 pressure drop vs. flow

