

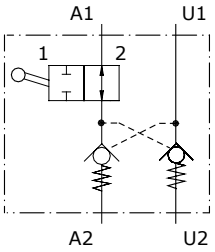
Type VBPDL/R
pilot operated check valves

- Double acting
- Check valve by pass type

Technical specifications and diagrams are measured with mineral oil of 46 cSt viscosity at 40°C *(104°F)* temperature.

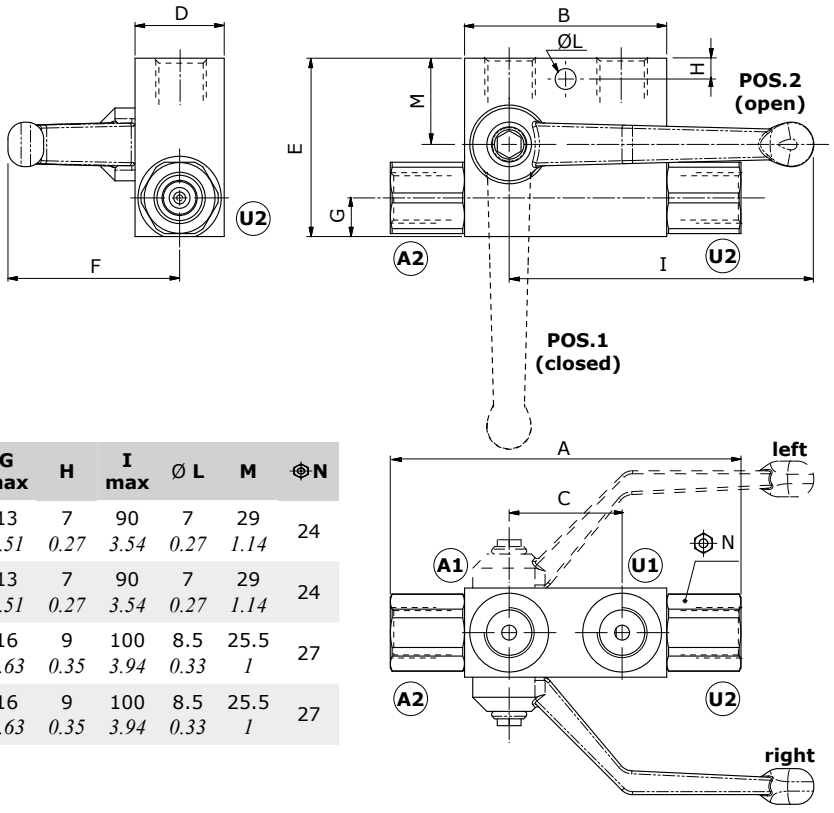
	VBPDL/R/..14	VBPDL/VP/R/..38	VBPDL/R/..38	VBPDL/VP/R/..12
Nominal flow	25 l/min *(6.6 US gpm)*	25 l/min *(6.6 US gpm)*	50 l/min *(13.2 US gpm)*	50 l/min *(13.2 US gpm)*
Max. pressure	350 bar *(5100 psi)*	350 bar *(5100 psi)*	300 bar *(4350 psi)*	300 bar *(4350 psi)*
Oil leakage	0.25 cm^3/min *(0.015 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 -20°C *(-4°F)* to 80°C *(176°F)*			
Environmental temp. for working conditions	from -40°C *(-40°F)* to 100°C *(212°F)*			
Weight *steel*	0.95 kg *(2.09 lb)*	0.95 kg *(2.09 lb)*	1.12 kg *(2.47 lb)*	1.12 kg *(2.47 lb)*

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



Dimension

Valve type	All ports
VBPDL/R/..14	G1/4
VBPDL/VP/R/..38	G3/8
VBPDL/R /..38	G3/8
VBPDL/VP/R/..12	G1/2



Dimensions are in mm-*in*

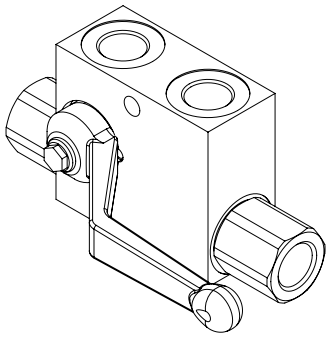
Valve type	A	B	C	D	E	F max	G max	H	I max	Ø L	M	N
VBPDL/R/..14	118 *4.64*	68 *2.68*	38 *1.50*	30 *1.18*	60 *2.36*	65 *2.56*	13 *0.51*	7 *0.27*	90 *3.54*	7 *0.27*	29 *1.14*	24
VBPDL/VP/R/..38	118 *4.64*	68 *2.68*	38 *1.50*	30 *1.18*	60 *2.36*	65 *2.56*	13 *0.51*	7 *0.27*	90 *3.54*	7 *0.27*	29 *1.14*	24
VBPDL/R/..38	143 *5.63*	80 *3.15*	40 *1.57*	30 *1.18*	60 *2.36*	60 *2.36*	16 *0.63*	9 *0.35*	100 *3.94*	8.5 *0.33*	25.5 *1*	27
VBPDL/VP/R/..12	143 *5.63*	80 *3.15*	40 *1.57*	30 *1.18*	60 *2.36*	60 *2.36*	16 *0.63*	9 *0.35*	100 *3.94*	8.5 *0.33*	25.5 *1*	27

Ordering codes and description composition

D - right
S - left

Port size

VBPDL/R/ D 14



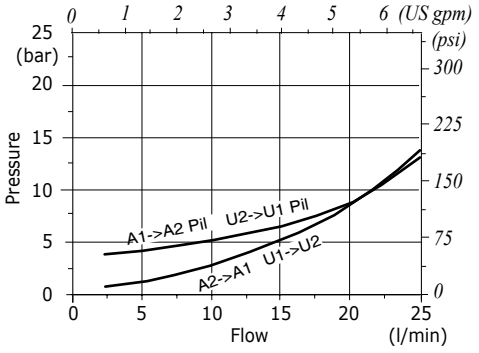
VBPDLR complete valves

TYPE	CODE	DESCRIPTION
VBPDL/R/S 14/p4,5/Pa4/ac	1425312100	Steel body, opening press. 4 bar *(58 psi)*, pilot ratio 1:4.5, G1/4 ports, left lever
VBPDL/R/D 14/p4,5/Pa4/ac	1425312101	As prevoius with right lever
VBPDL/R/S 38/p4/Pa4/ac	1425322100	Steel body, opening press. 4 bar *(58 psi)*, pilot ratio 1:4, G3/8 ports, left lever
VBPDL/R/D 38/p4/Pa4/ac	1425322101	As prevoius with right lever
VBPDL/VP/R/S 38/p4,5/Pa4/ac	1425322102	Steel body, opening press. 4 bar *(58 psi)*, pilot ratio 1:4, G3/8 ports, left lever
VBPDL/VP/R/D 38/p4,5/Pa4/ac	1425322103	As prevoius with right lever
VBPDL/VP/R/S 12/p4/Pa4/ac	1425332100	Steel body, opening press. 4 bar *(58 psi)*, pilot ratio 1:4, G1/2 ports, left lever
VBPDL/VP/R/D 12/p4/Pa4/ac	1425332101	As prevoius with right lever

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

Rating diagram

VBPDL/R/..14 pressure drop vs. flow



VBPDL/R/..38 pressure drop vs. flow

