

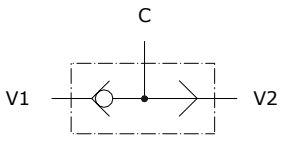
Type VT
shuttle valves

- Shuttle valves
- Ball type

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

		VT 14	VT 38	VT 12	VT 34	VT 100
Nominal flow		35 l/min *(9.3 US gpm)*	50 l/min *(13.2 US gpm)*	90 l/min *(23.8 US gpm)*	140 l/min *(37 US gpm)*	180 l/min *(47.6 US gpm)*
Max. pressure		350 bar *(5100 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		-40°C *(-40°F)* to 100°C *(212°F)*				
Weight	*Steel*	0.27 kg *(0.59 lb)*	0.464 kg *(1.02 lb)*	0.74 kg *(1.63 lb)*	1.406 kg *(3.1 lb)*	1.87 kg *(4.12 lb)*

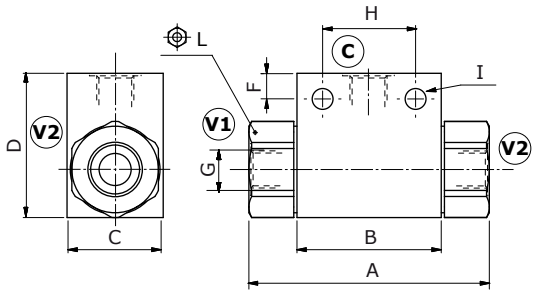
NOTE - For different conditions, please contact Walvoil Sales Dpt.



Dimensions

Dimensions are in mm-*in*

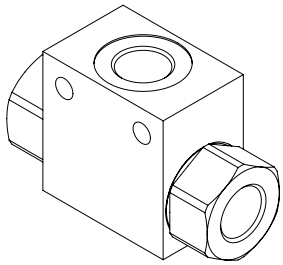
Valve type	A	B	C	D	E	F	G	H	I	L
VT 14	69 *2.71*	36 *1.42*	25 *0.98*	35 *1.38*	22.5 *0.88*	7 *0.27*	G 1/4	25 *0.98*	6 *0.24*	22
VT 38	75 *2.95*	45 *1.77*	30 *1.18*	45 *1.77*	30 *1.18*	8 *0.31*	G 3/8	29 *1.14*	6.5 *0.25*	27
VT 12	94 *3.7*	57 *2.24*	35 *1.38*	50 *1.97*	32 *1.26*	9 *0.35*	G 1/2	36 *1.42*	5.5 *0.22*	30
VT 34	*100* *3.94*	65 *2.56*	50 *1.97*	60 *2.36*	37.5 *1.48*	6.5 *0.25*	G 3/4	50 *1.97*	6.5 *0.25*	41
VT 100	126 *4.96*	80 *3.15*	50 *1.97*	80 *3.15*	54.5 *2.14*	11 *0.43*	G 1	60 *2.36*	10.5 *0.41*	46



Ordering codes and description composition

Port size

VT 14



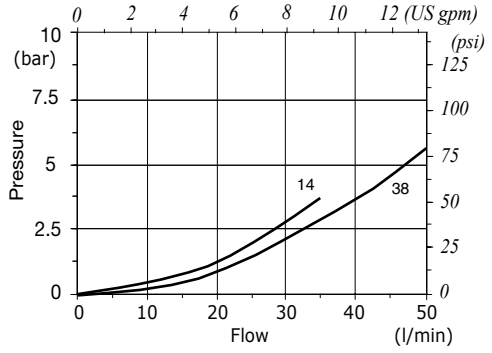
1 VT complete valves

TYPE	CODE	DESCRIPTION
VT14	1323012100	Steel body, G1/4 ports
VT38	1323022100	Steel body, G3/8 ports
VT12	1323032100	Steel body, G1/2 ports
VT34	1323042100	Steel body, G3/4 ports
VT100	1323052100	Steel body, G1 ports

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

Rating diagrams

VT14-38 pressure drop vs. flow



VT12-34-100 pressure drop vs. flow

