

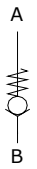
Type VUC
check valves

- Poppet type

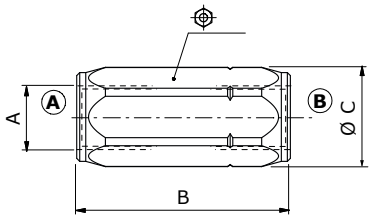
Technical specifications and diagrams are measured with mineral oil ISO VG32 at 50°C *(122°F)* temperature.

		VUC 14	VUC 38	VUC 12	VUC 34	VUC 100	VUC 114	VUC 112
Nominal flow		30 l/min *(7.9 US gpm)*	50 l/min *(13.2 US gpm)*	90 l/min *(23.8 US gpm)*	130 l/min *(34.3 US gpm)*	180 l/min *(47.6 US gpm)*	250 l/min *(66 US gpm)*	380 l/min *(100 US gpm)*
Max. pressure		400 bar *(5800 psi)*	400 bar *(5800 psi)*	350 bar *(5100 psi)*	300 bar *(4350 psi)*	270 bar *(3900 psi)*	250 bar *(3600 psi)*	200 bar *(2900 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		-40°C *(-40°F)* to 100°C *(212°F)*						
Weight	*Steel*	0.10 kg *(0.22 lb)*	0.18 kg *(0.40 lb)*	0.31 kg *(0.68 lb)*	0.56 kg *(1.23 lb)*	0.91 kg *(2.01 lb)*	1.48 kg *(3.26 lb)*	2.37 kg *(5.22 lb)*

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



Dimensions



Dimensions are in mm-*in*

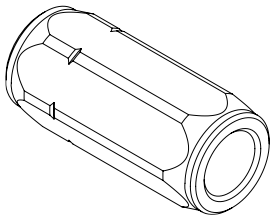
Valve type	A	B	Ø C	⌖
VUC 14	G 1/4	58 - *2.28*	21 - *0.83*	19
VUC 38	G 3/8	62 - *2.44*	27 - *1.05*	24
VUC 12	G 1/2	71 - *2.79*	33 - *1.30*	30
VUC 34	G 3/4	83 - *3.27*	40 - *1.57*	36
VUC 100	1	106 - *4.17*	59 - *2.32*	45
VUC 114	G 1 1/4	127 - *5*	61 - *2.40*	55
VUC 112	G 1 1/2	138 - 5.43	72 - *2.83*	65

Ordering codes and description composition

Port size — Opening pressure (bar)

VUC14/Pa0,5 FO

- without hole
FO with metering hole



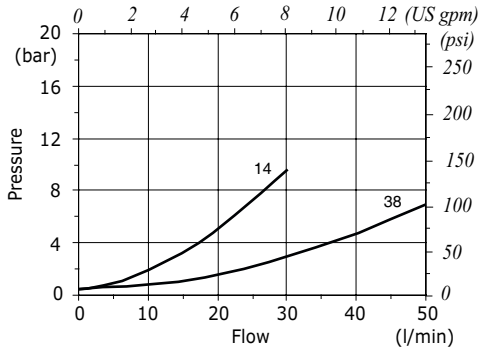
VUC complete valves

TYPE	CODE	DESCRIPTION
VUC14/Pa0,5	1312510100	Steel body, opening pressure 0.5 bar *(7.25 psi)*, G1/4 thread
VUC38/Pa0,5	1312520100	Steel body, opening pressure 0.5 bar *(7.25 psi)*, G3/8 thread
VUC12/Pa0,5	1312530100	Steel body, opening pressure 0.5 bar *(7.25 psi)*, G1/2 thread
VUC34/Pa0,5	1312540100	Steel body, opening pressure 0.5 bar *(7.25 psi)*, G3/4 thread
VUC100/Pa0,5	1312550100	Steel body, opening pressure 0.5 bar *(7.25 psi)*, G1 thread
VUC114/Pa0,5	1312560100	Steel body, opening pressure 0.5 bar *(7.25 psi)*, G1 1/4 thread
VUC112/Pa0,5	1312570100	Steel body, opening pressure 0.5 bar *(7.25 psi)*, G1 1/2 thread

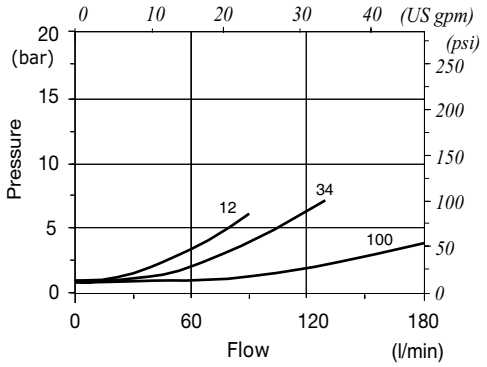
For different configurations and SAE thread please contact our Sales Dpt.

Rating diagrams

VUC14-VUC38 pressure drop vs. flow
opening pressure 0.5 bar *(7.25 psi)*



VUC12-VUC34-VUC100 pressure drop vs. flow
opening pressure 0.5 bar *(7.25 psi)*



VUC114-VUC112 pressure drop vs. flow
opening pressure 0.5 bar *(7.25 psi)*

