

Type VUC check valves

- Poppet type

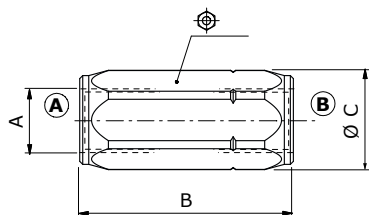
Technical specifications and diagrams are measured with mineral oil ISO VG32 at 50°C (122°F) temperature.

		VUC 14	VUC 38	VUC 12	VUC 34	VUC 100	VUC 114	VUC 112
Nominal flow		30 l/min <i>(7.9 US gpm)</i>	50 l/min <i>(13.2 US gpm)</i>	90 l/min <i>(23.8 US gpm)</i>	130 l/min <i>(34.3 US gpm)</i>	180 l/min <i>(47.6 US gpm)</i>	250 l/min <i>(66 US gpm)</i>	380 l/min <i>(100 US gpm)</i>
Max. pressure		400 bar <i>(5800 psi)</i>	400 bar <i>(5800 psi)</i>	350 bar <i>(5100 psi)</i>	300 bar <i>(4350 psi)</i>	270 bar <i>(3900 psi)</i>	250 bar <i>(3600 psi)</i>	200 bar <i>(2900 psi)</i>
Oil leakage				0.25 cm³/min <i>(0.015 in³/min)</i> at 210 bar <i>(3050 psi)</i>				
Fluid				mineral based oil				
Viscosity				from 10 to 200 cSt				
Max. level of contamination				18/16/13 ISO4406				
Fluid temperature				<i>with NBR seals:</i> from -20°C <i>(-4°F)</i> to 80°C <i>(176°F)</i>				
Environmental temp. for working conditions				-40°C <i>(-40°F)</i> to 100°C <i>(212°F)</i>				
Weight	<i>Steel</i>	0.10 kg <i>(0.22 lb)</i>	0.18 kg <i>(0.40 lb)</i>	0.31 kg <i>(0.68 lb)</i>	0.56 kg <i>(1.23 lb)</i>	0.91 kg <i>(2.01 lb)</i>	1.48 kg <i>(3.26 lb)</i>	2.37 kg <i>(5.22 lb)</i>

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



Dimensions



Dimensions are in mm-in

Valve type	A	B	Ø C	Ø
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	84 - 3.31	40 - 1.57	36
VUC 100	1	106 - 4.17	49 - 1.93	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

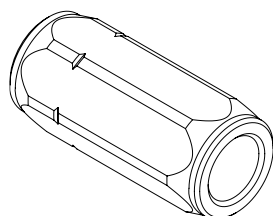
Ordering codes and description composition

Port size Opening pressure (bar)

VUC14/Pa0,5 FO

- without hole

FO with metering hole



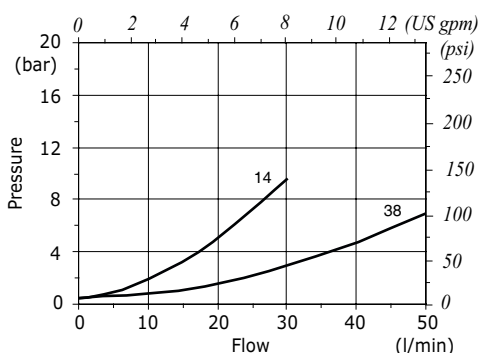
VUC complete valves

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

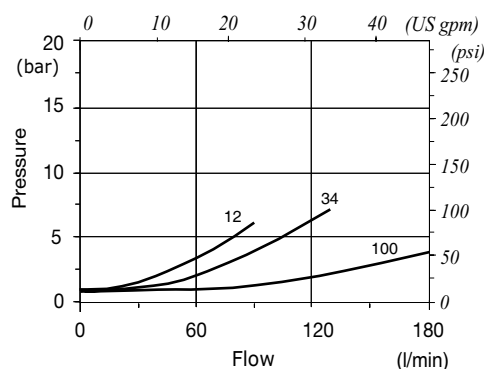
For different configurations and SAE thread please contact our Sales Dpt.

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)

