

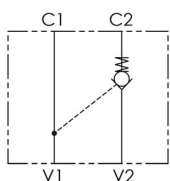
Overview

Use and Operation

Single Pilot Operated Check Valves are used to allow flow in one direction while blocking flow in the opposite direction. The valve remains closed in the reverse direction until pilot pressure is applied, which then allows flow in the reverse direction.

- Body : Zinc plated steel.
- Internal Parts : Hardened and ground steel.
- Seals : BUNA N Standard.
- Leakage : Guided poppet – negligible leakage.

Symbol



Connection

Connect V1 and V2 to the supply and C1 and C2 to the actuator.

On Request

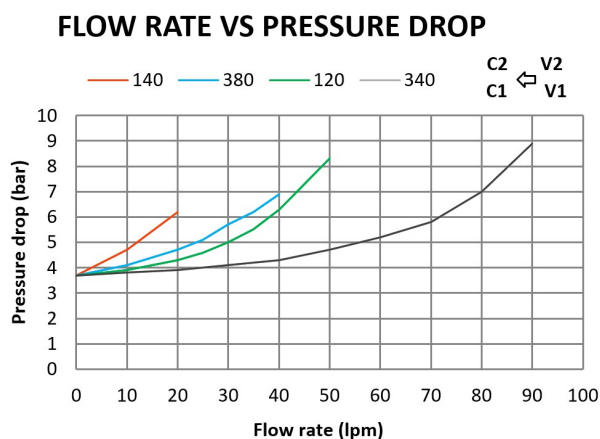
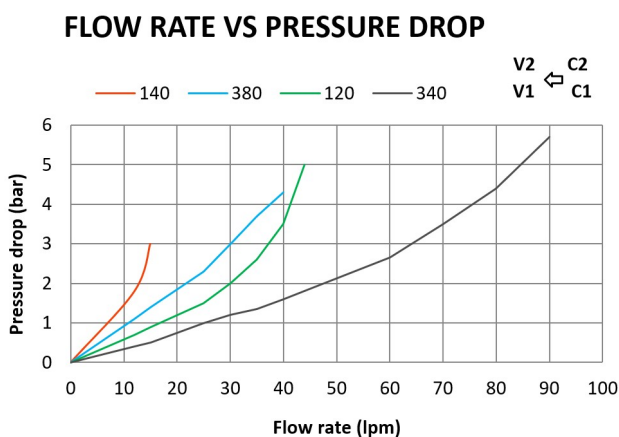
- Without seal on pilot piston.
- 1 Bar spring.
- 8 Bar Spring (Optional).

Oil Temperature

Oil Viscosity @ 50Deg C: 30 cSt

Performance

PRESSURE DROP CURVE



Model Code

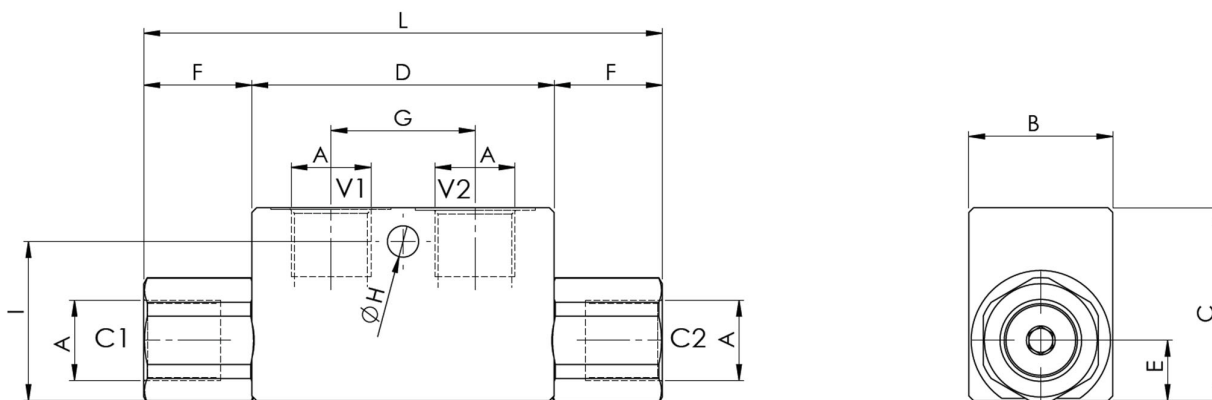
VRSE	-	-	-	-
Single Pilot Check Valve	Size 140 = 1/4" BSP 380 = 3/8" BSP 120 = 1/2" BSP 340 = 3/4" BSP	Cracking Pressure 1 = 1 Bar (Std)	Pilot Ratio Omit = Std (Other options can be provided)	Type Omit = Std

Value Specifications

TYPE	PILOT RATIO (Std)	MAX FLOW Lt. / min	MAX PRESSURE Bar
VRSE-140	1:4	20	350
VRSE-380		35	
VRSE-120		65	
VRSE-340	1:2.9	90	

Installation Specifications

Unit = Millimeter



TYPE	A	B	C	D	E	F	G	H	I	L	WEIGHT KG
VRSE-140	1/4" BSP	30	40	67	13	21.5	36	7	32.5	110	0.65
VRSE-380	3/8" BSP										0.62
VRSE-120	1/2" BSP	35	50	80	16.5	31.5	36	7	35	143	1.10
VRSE-340	3/4" BSP	40	60	100	21	46.5	50	8.5	45	193	2.00

Note : Where measurements are critical request certified drawings. We reserve the right to change specifications without notice.