

Overview

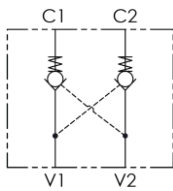
Use and Operation

Dual Pilot Check Valves are used to block the cylinder in both directions. Flow is free in one direction and blocked in the reverse direction until pilot pressure is applied.

Materials and Features

- 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).

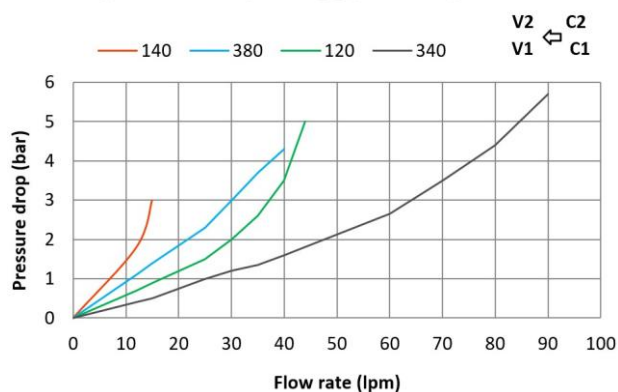
Oil Temperature

Oil Viscosity @ 50Deg C: 30 cSt

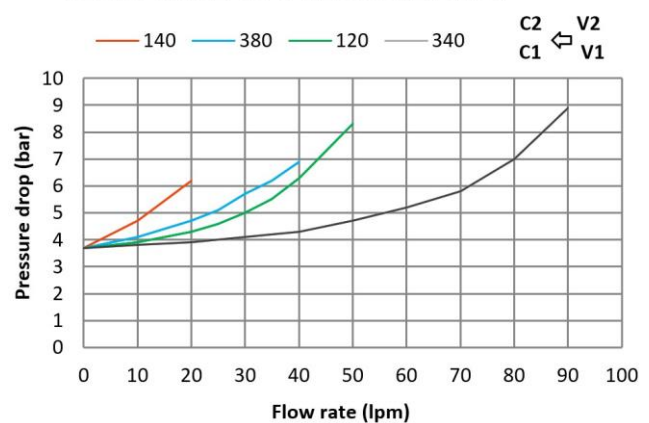
Performance

PRESSURE DROP CURVE

FLOW RATE VS PRESSURE DROP



FLOW RATE VS PRESSURE DROP



Model Code

VRDE	-	-	-	-
Dual 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 provide)	Type Omit = Std

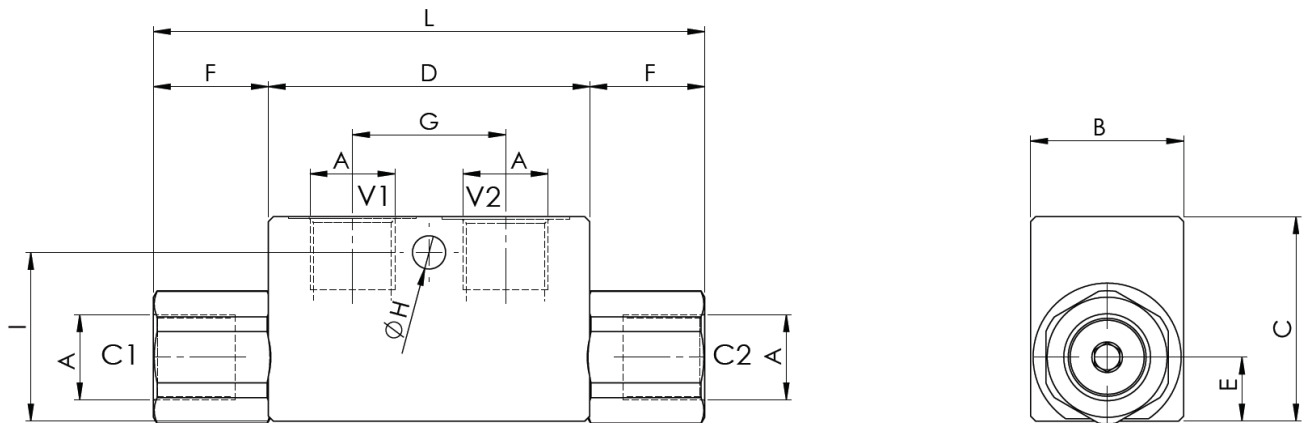
Value Specifications

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

- Required Pilot Ratio can be provided.

Installation Specifications

Unit = Millimeter



TYPE	A	B	C	D	E	F	G	H	I	L	WEIGHT KG
VRDE-140	1/4" BSP	30	40	67	13	21.5	36	7	32.5	110	0.65
VRDE-380	3/8" BSP										0.62
VRDE-120	1/2" BSP	35	50	82	16.5	31.5	36	7	35	145	1.10
VRDE-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.