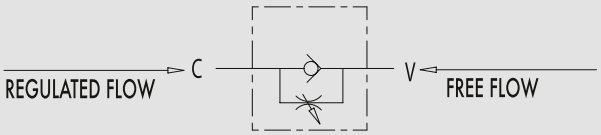
Drosselrückschlagventil - einstellbar

TYPE
VRF

HYDRAULIC DIAGRAM



BARREL FLOW CONTROL VALVES WITH CHECK

USE AND OPERATION:
This valve is used to adjust flow speed of actuators in one direction; flow is free in the reverse one. As pressure compensation is not provided, flow adjustment depends on pressure and oil viscosity.

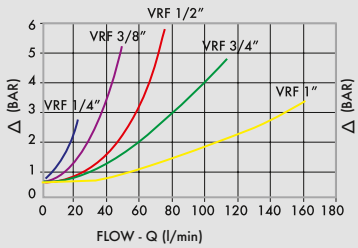
MATERIALS AND FEATURES:
Body: zinc-plated steel
Internal parts: hardened and ground steel
Seal: BUNA N standard
Tightness: by diameter combination. Minor leakage with closed valve

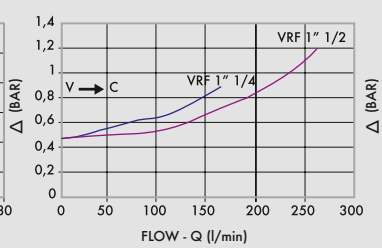
APPLICATIONS:
Connect V to the pressure flow and C to the actuator to set. The flow is adjusted from C to V and free in the reverse direction. When used on actuator with double pilot check valve, VRF has to be mounted between the actuator and the double pilot check valve. Flow adjustment is made by rotating the coupling: by clockwise rotation flow increases and vice versa. Once the flow has been set, lock the nut in order to keep the desired settings even in case of vibrations.

PRESSURE DROPS CURVE

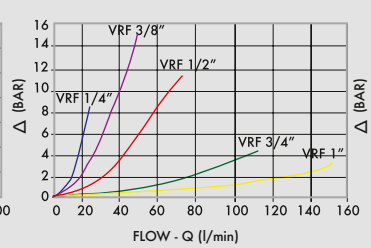
Oil temperature: 50° C - Oil viscosity: 30 cSt

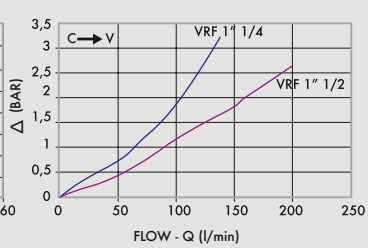
FULLY CLOSED THROTTLE



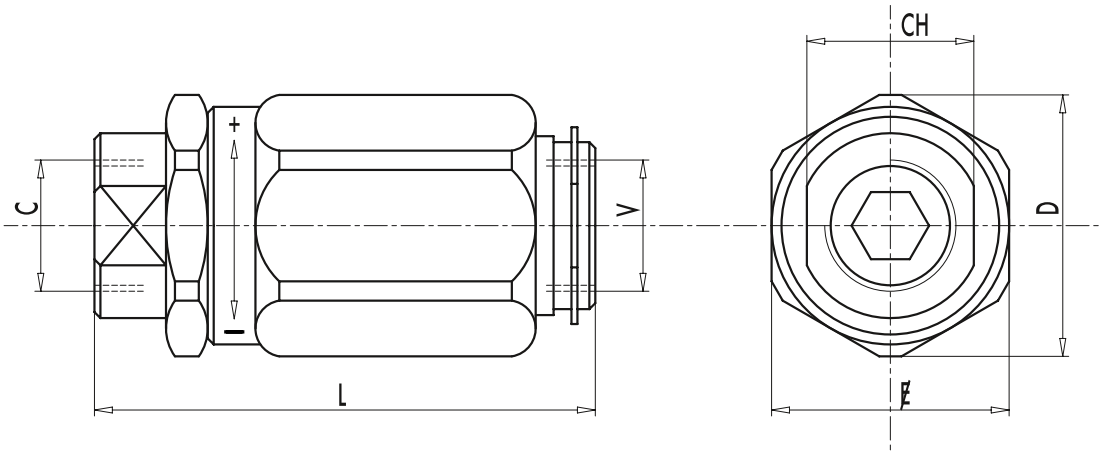


FULLY OPENED THROTTLE





CODE	TYPE	MAX FLOW Lt. / min	MAX PRESSURE Bar	CRACKING PRESSURE Bar
V0540	VRF 1/4"	20	300	0,5
V0550	VRF 3/8"	45	300	0,5
V0560	VRF 1/2"	70	300	0,5
V0570	VRF 3/4"	110	250	0,5
V0580	VRF 1"	160	250	0,5
V0578	VRF 1" 1/4	210	230	0,5
V0579	VRF 1" 1/2	280	230	0,5



CODE	TYPE	V - C GAS	L mm	E mm	CH mm	D mm	WIGHT kg
V0540	VRF 1/4"	G1/4"	66,5	30	19	34	0,274
V0550	VRF 3/8"	G3/8"	73	32	24	36	0,330
V0560	VRF 1/2"	G1/2"	80	38	27	42	0,484
V0570	VRF 3/4"	G3/4"	95	46	32	51	0,824
V0580	VRF 1"	G 1"	109	55	41	60	1,314
V0578	VRF 1" 1/4	G 1" 1/4	135	80	55	85	3,310
V0579	VRF 1" 1/2	G 1" 1/2	149,5	90	62	95	4,760