

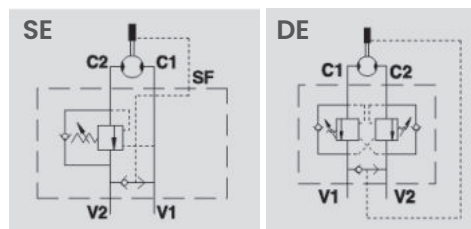
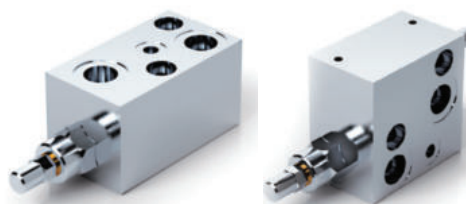


VBCDF SE OMS
VBCDF DE OMS

Flow Upto 50 LPM
Pressure 350 Bar

Description & Operation

These valves are used to control the motor rotation movements and block in one direction (SE) or in both directions (DE). In order to have the descent of a load under control and avoid the load's weight being carried away the valve will prevent any cavitation of the actuator. Direct flange is ideal for Danfoss type OMS motor and provides maximum safety, very low pressure drops and robust installation. Valve setting must be at least 1.3 times more than the load pressure in order to enable the valve to close even when subjected to the maximum load pressure. In-line mounting
Connect V1 and V2 to the supply, C1 to the free flow side of the motor and C2 to the motor's side you want the flow to be blocked.



Hydraulic Symbol

Technical Data

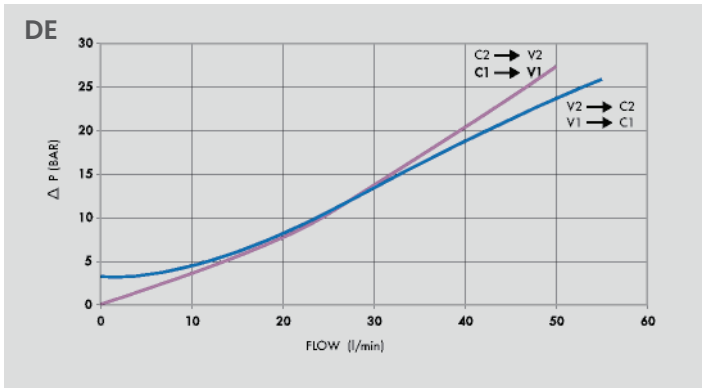
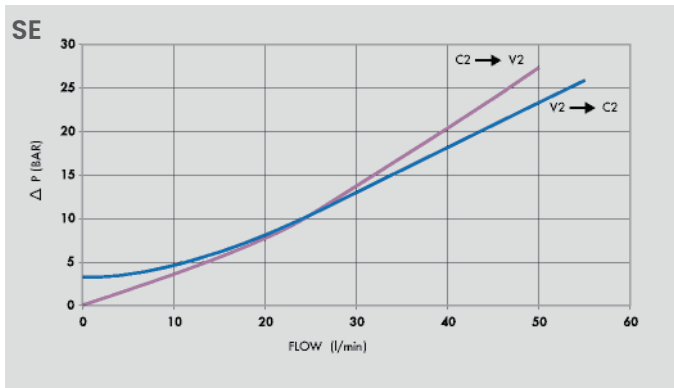
Maximum Flow	50 LPM
Maximum Pressure	350 Bar
Body Material	Steel
Internal parts	Hardened and Ground steel
External Component treatment	Zn/Fe - standard (96h) / Zn/Ni (720h)
Oil Temperature	50 Deg. C
Fluids	Mineral based or synthetics with lubricating properties
Viscosity	30 cSt
Standard Sealing	NBR-Buna N
Filtration	20/18/15 ISO 4406 (Max. Filtration admitted)
Orientation / Mounting	Inline
Weight	See Ordering details
Standard Pressure Setting	320 Bar

Specifications

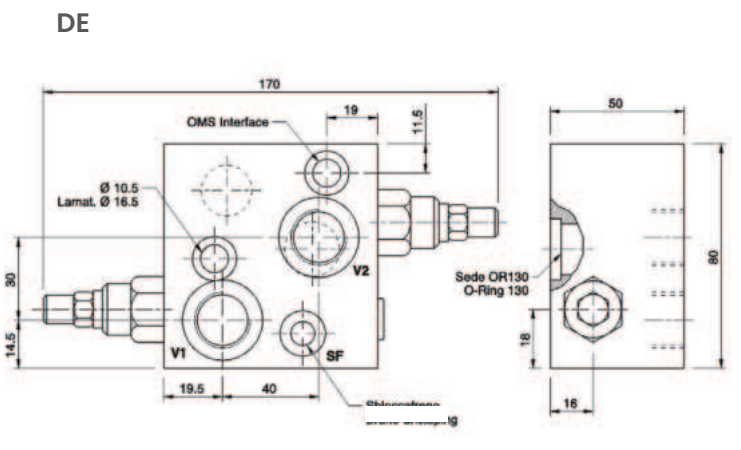
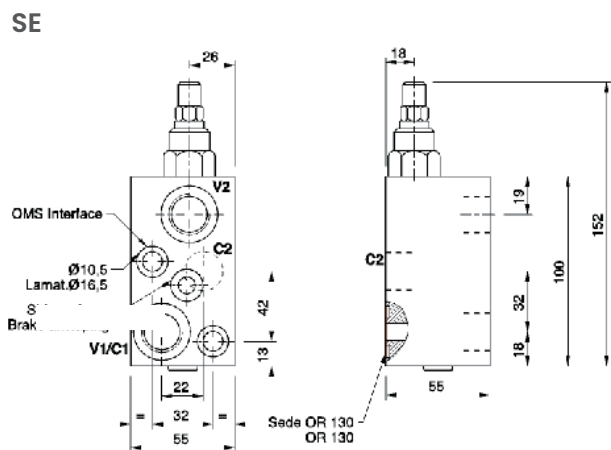
Type	Pilot Ratio	Max.Flow	Max.Pressure
		LPM	Bar
VBCDF 1/2" SE OMS	1:4.5	50	350
VBCDF 1/2" SE OMS SF	1:4.5	50	350
VBCDF 1/2"DE OMS	1:4.5	50	350
VBCDF 1/2"DE OMS SF	1:4.5	50	350

OVER CENTER VALVES

Performance Curve



Dimensional Drawing



Ordering Details

Code	Type	V1-V2	SF	C1-C2	Weight
		GAS	GAS	mm	
R-V0416	VBCDF 1/2" SE OMS	G 1/2"	/	Ø9	1.700
R-V0416/SF	VBCDF 1/2" SE OMS SF	G 1/2"	G 1/4"	Ø9	1.700
R-V0426	VBCDF 1/2" DE OMS	G 1/2"	/	Ø9	2.150
R-V0426/SF	VBCDF 1/2" DE OMS SF	G 1/2"	G 1/4"	Ø9	2.150

On Request

- Other pressure settings available
- Sealing cap (CODE/P) and arranged for sealing cap (CODE/PP)

OVER CENTER VALVES