

# SINGLE/DOUBLE OVERCENTRE VALVES FLANGEABLE ON DANFOSS MOTORS OMP / OMR



## VBCDF SE OMP/OMR VBCDF DE OMP/OMR

**Flow Upto 50 LPM**  
**Pressure 350 Bar**

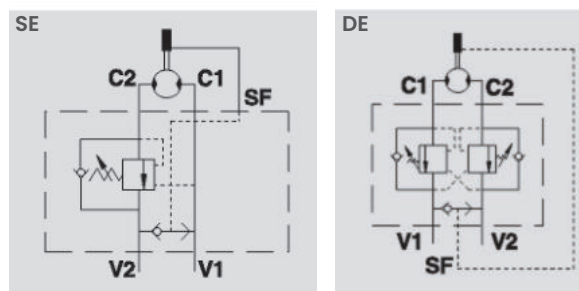


### Description & Operation

These valves are used to control motor rotation 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 OMP-OMR motors and provides a maximum safety, very low pressure drops and solid 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.

Connect V1 and V2 to the pressure flow, C1 to the free flow side of the motor and flange C2 to the actuator's side you want the flow to be blocked. V1 and V2 ports are reversible.



Hydraulic Symbol

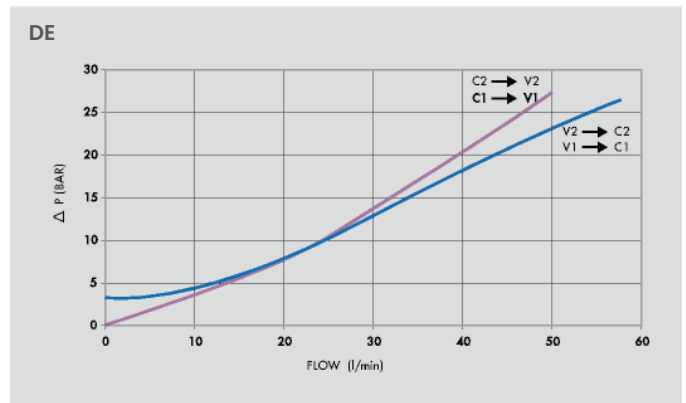
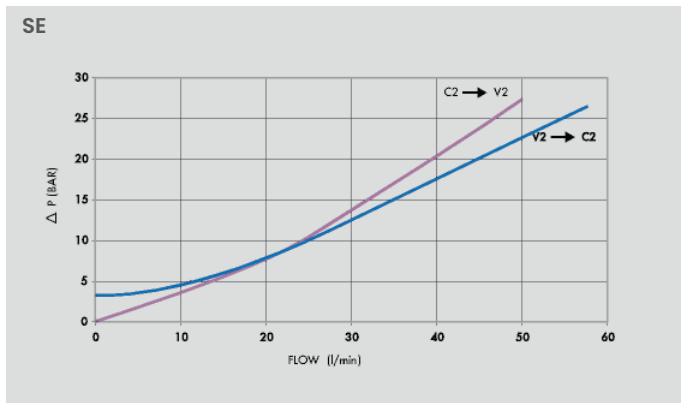
### Technical Data

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

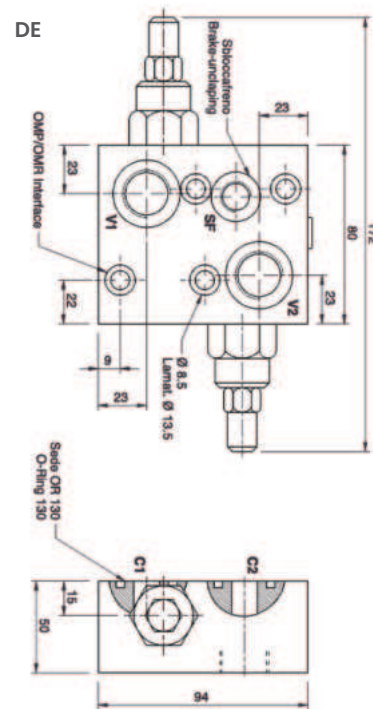
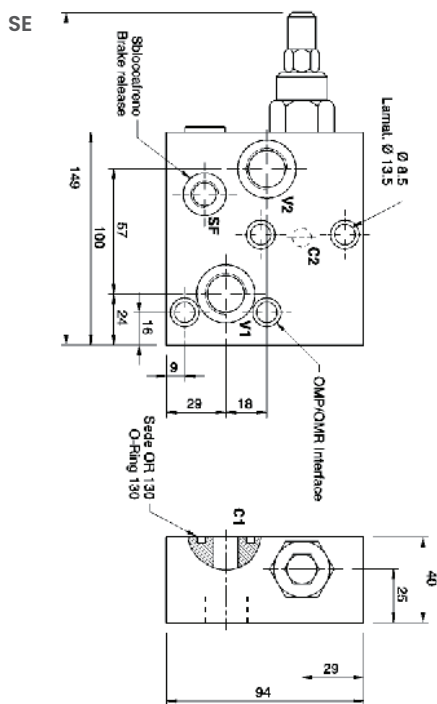
### Specifications

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

**Performance Curve**



**Dimensional Drawing**



**Ordering Details**

Code	Type	V1-V2	SF	C1-C2	Weight Kg
		GAS	GAS	mm	
R-V0415	VBCDF 1/2" SE OMP-OMR	G 1/2"	/	$\varnothing 9$	2.686
R-V0415/SF	VBCDF 1/2" SE OMP-OMR SF	G 1/2"	G 1/4"	$\varnothing 9$	2.686
R-V0425	VBCDF 1/2" DE OMP-OMR	G 1/2"	/	$\varnothing 9$	2.708
R-V0425/SF	VBCDF 1/2" DE OMP-OMR SF	G 1/2"	G 1/4"	$\varnothing 9$	2.708

**On Request**

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

**OVER CENTER VALVES**