

Data sheet

Non return valve

VCM 92

3"Vic. outlet

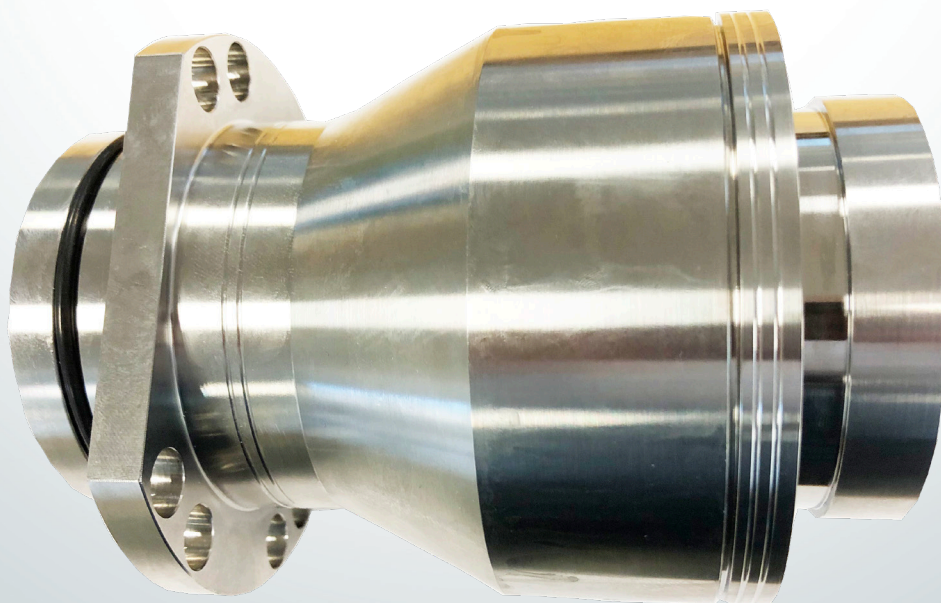


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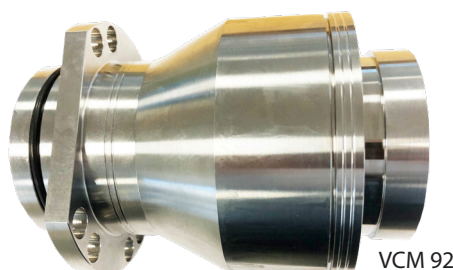
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1. Introduction

The non-return valve is designed for use in Seawater Reverse Osmosis (SWRO) membrane systems. In case the high-pressure pump stops momentarily, the volume of water in the membrane vessel may work as an accumulator and will send flow backwards. In case pumps are placed in parallel, the non-return valve also prevents that water from one pump runs into the parallel-coupled pumps at start-up.

The function of the valve is prepared for easy installation on the high-pressure outlet. Typically used in connection with APP 53 - 92 pumps.

If the recommendations in the manual are not followed, Danfoss reserves the right to void the warranty.



VCM 92

2. Features

The non return valve is designed for use with low viscosity and corrosive fluids such as sea water.

The sealing is a FKM 75 O-ring.

All wetted parts are made of highly corrosion resistant materials such as Super Duplex (EN1.4410/UNS S32750/SAF 2207) stainless steel and carbon reinforced PEEK.

3. Technical data and code numbers

Type	Max. pressure barg (psig)	Flow continuously m ³ /h (gpm)	Opening pressure barg (psig)	Pressure loss at max. flow barg (psig)	Inlet connection	Outlet connection	Code number
VCM 92	83 (1200)	92 (405)	0.05 (7.2)	0.4 (7.8)	Flange with 8 screws M12x25	Victaulic 3"	180H0058

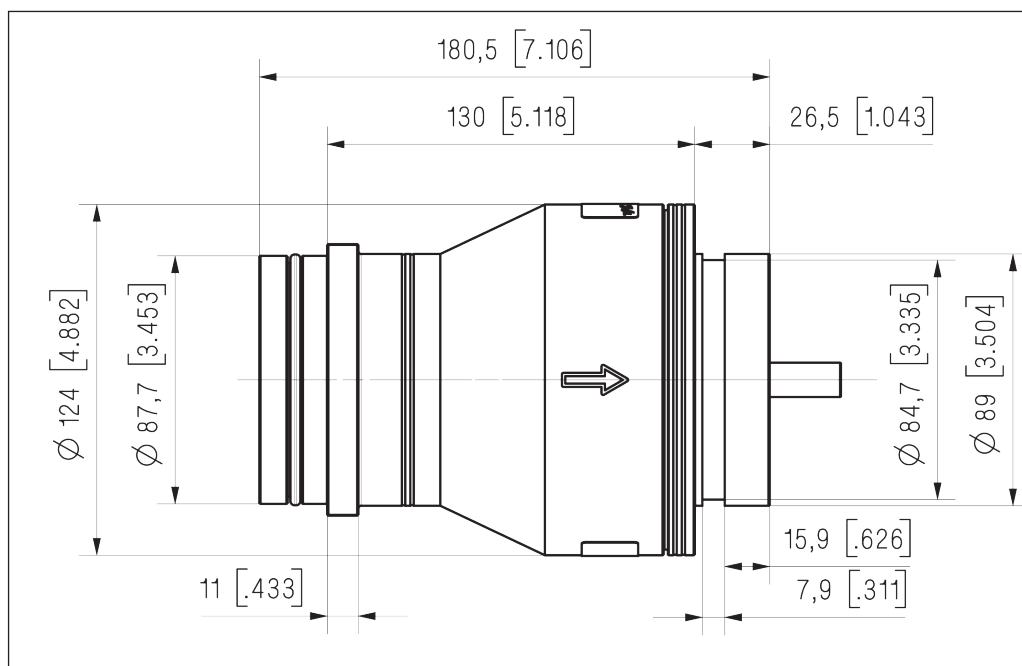
Net weight: 5.2 kg (11.4 lb)
Materials: Superduplex, PEEK, PP, Hasteloy, FKM, NBR
Min. flow continuous: 20 m³/h (88 gpm)

4. Filtration

The fluid must be clean and free from abrasive sediments.

5. Dimensions

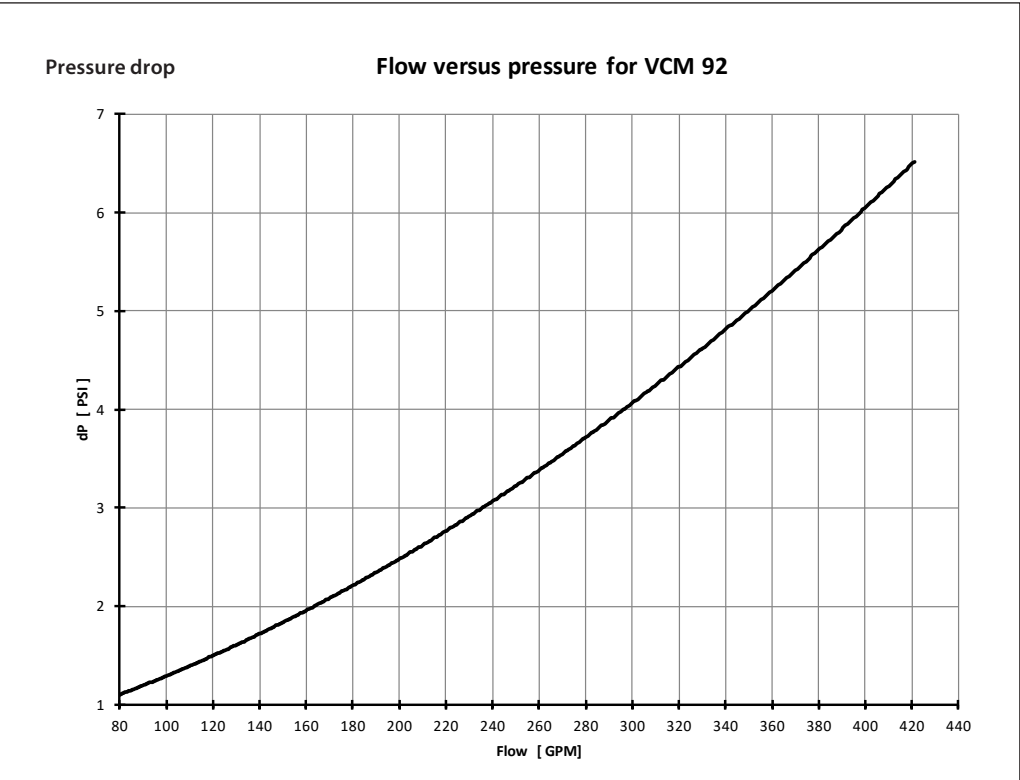
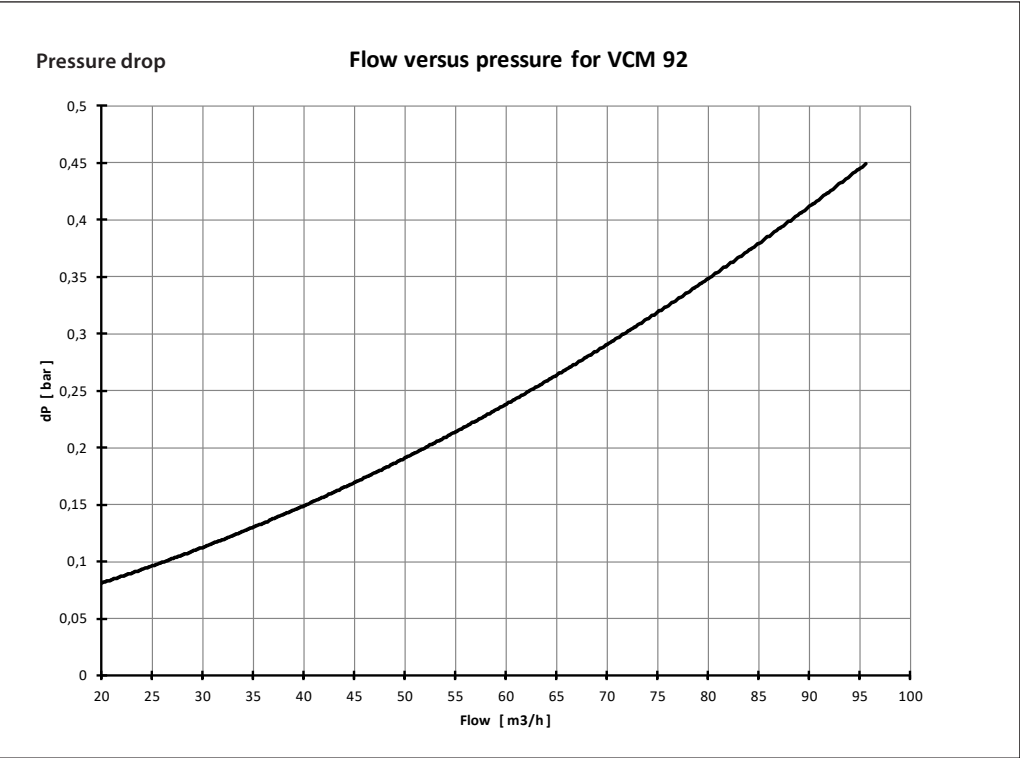
VCM 92
3" Vic
mm [inch]



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6. Flow versus pressure charts

VCM 92





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