

ENGINEERING
TOMORROW



Data sheet

Non return valve

VCM 46
2½ Vic outlet



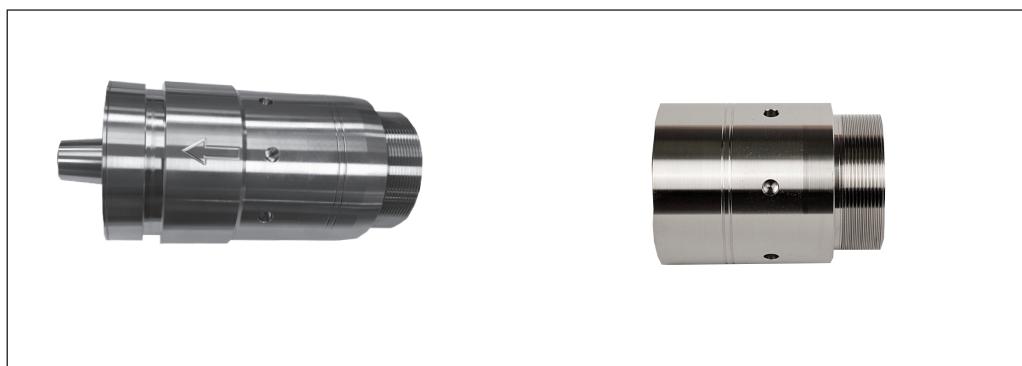
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1. Introduction

The valve incorporates a conical poppet design, which ensures sealing when used with a low viscosity medium such as water. Typically used in connection with APP 38 - 46 pumps.

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



VCM 46 2½ Vic

Extension for 46 2½ Vic

The non return valve is produced in Super Duplex stainless steel W. Nr. 1.4410.

The sealing is a NBR O-ring.

The valve is available for flows up to 45 m³/h or 766 l/min (202) gpm.

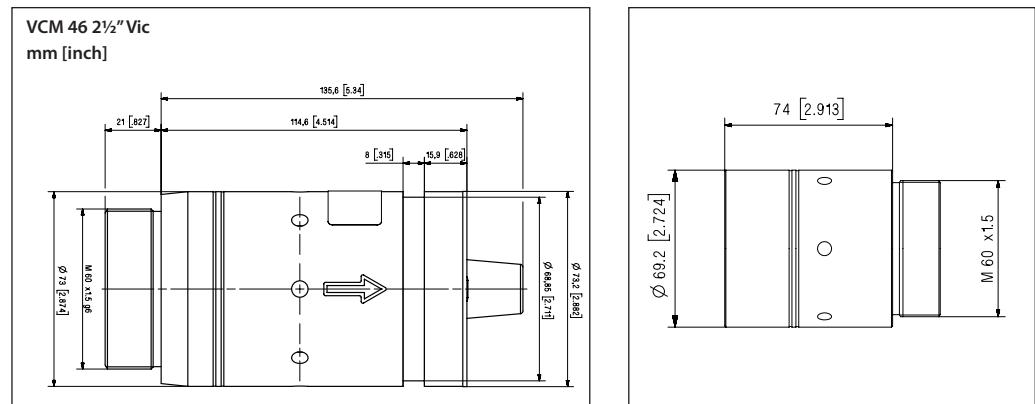
3. Technical data and code numbers

Type	Max. pressure barg (psig)	Flow continuously l/min (gpm)	Opening pressure barg (psig)	Pressure loss at max. flow barg (psig)	Inlet connection	Outlet connection	Code number	
VCM 46	124 (1800)	766 (202)	0.2 (2.9)	0.55 (8.0)	M60 x 1½	Vic. 2½" (73 mm) Style 77DX ¹⁾	180H0059	
Important! Due to the design and dimensions of an APP 46 pump, bell-housing and IEC motor, a dampening flange on the bell-housing is standard when an IEC 315 motor is selected. If this dampening flange for some reason is deselected, an extension for the non-return valve may be needed in order to mount the pipe or hose with Victaulic clamps.						M60 x 1½	M60 x 1½	180Z0624

¹⁾ The installation instruction for style 77DX is located in the Victaulic document I-100 Field Installation Handbook (<http://static.victaulic.com>)

4. Filtration

The fluid must be clean and free from abrasive sediments.

5. Dimensions

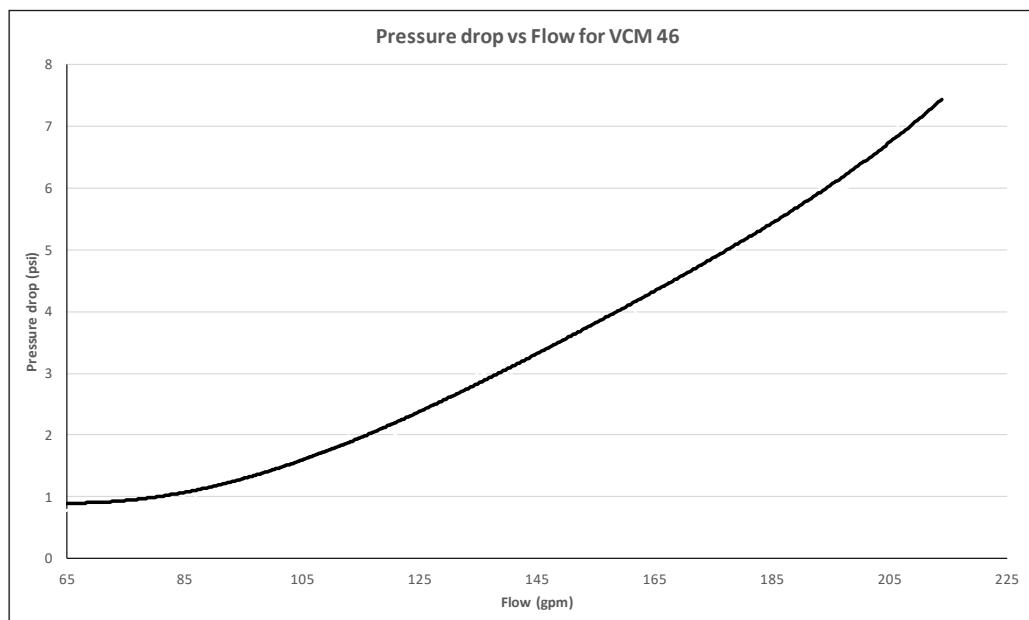
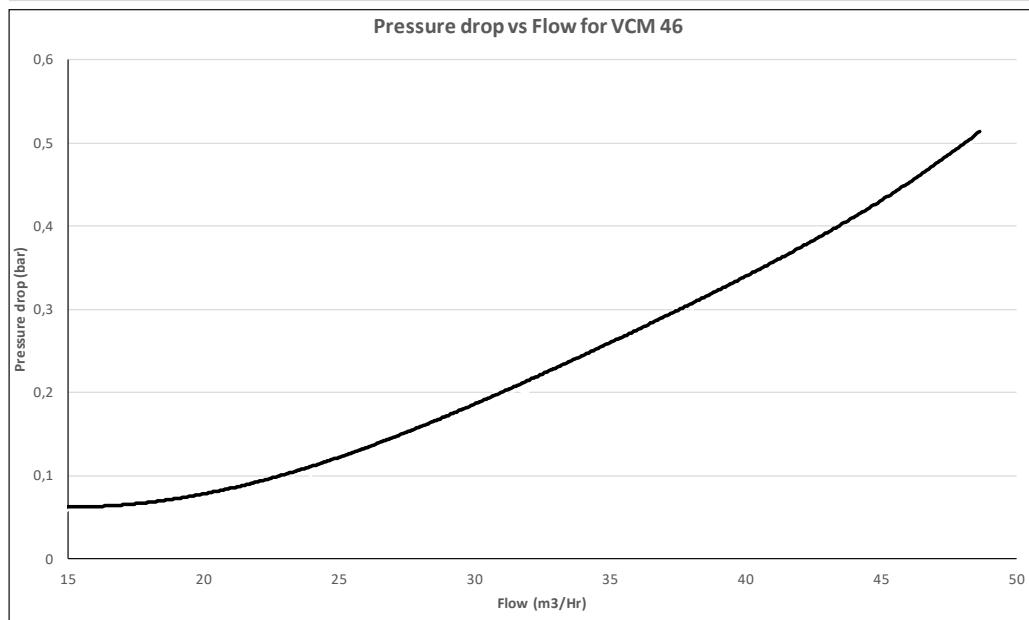
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Non return valve VCM 46 2½ Vic

6. Flow versus pressure charts

6.1 VCM 46

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