

Data sheet

Non return Valve - Danfoss NVD 462

Description



Features:

- Operates in any position
- Silent, reliable sealing, compact
- Exceptional robustness
- Notch provided for cable to submerged pumps up to DN 100
- Closing system : long back axial guiding
- Sealing guaranteed by O-ring.
- Return spring
- Body with integrated one-arm guide

Main Data:

- DN 50 - 200
- k_{VS} 69 - 1031 m³/h
- PN 16 (10)
- Medium:
 - Circulation water, drinking water or chilled glycolic water up to 50%
- Medium Temperature:
 - 10 ... 100 °C
- Flanged connection
- Compliance with Pressure Equipment Directive 2014/68/EU
- Face-to-face dimensions according to EN558-1 14 series
- Approvals:  

Ordering

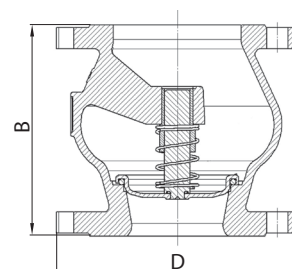
Note:

The indicated pressure for the different categories of fluids (L1/L2/G1/G2) is under no condition a guarantee of use. Therefore, it is essential to validate the use of products under given operating conditions.

DN	Kv (m ³ /h)	PN	PFA (bar)	PS (bar)				Code No.
				L1	L2	G1	G2	
50	69	10/16	16	16	16	16	16	065B7485
65	125					15		065B7486
80	157					12		065B7487
100	350					10		065B7488
125	582					0.5		065B7489
150	710	10	10	13	10	0.5	10	065B7490
200	1031			10		0.5		065B7491

Dimensions

DN	B (mm)	D (mm)	Weight (kg)
50	150	165	6.7
65	170	185	9.3
80	180	200	10.9
100	190	220	14.3
125	200	250	20.9
150	210	285	27.7
200	230	340	40.7

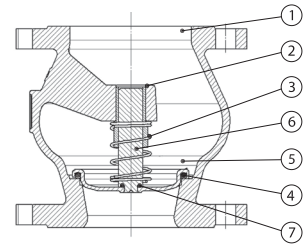


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Design

Pos.	Description	Material	EURO	ANSI
1	Casing	Cast iron	EN-GJL-250	ASTMA4835B
2	Ring	Bronze	CuSn5Zn5Pb2-C	—
3	Spring	Stainless steel	X10CrNi18-8	AISI 420
4	O-ring	EPDM	—	—
5	Cloasing sistem	Brass	CuZn39Pb2	—
6	Steam	Bronze	CuSn5Zn5Pb2-C	—
7	O-ring	EPDM	—	—

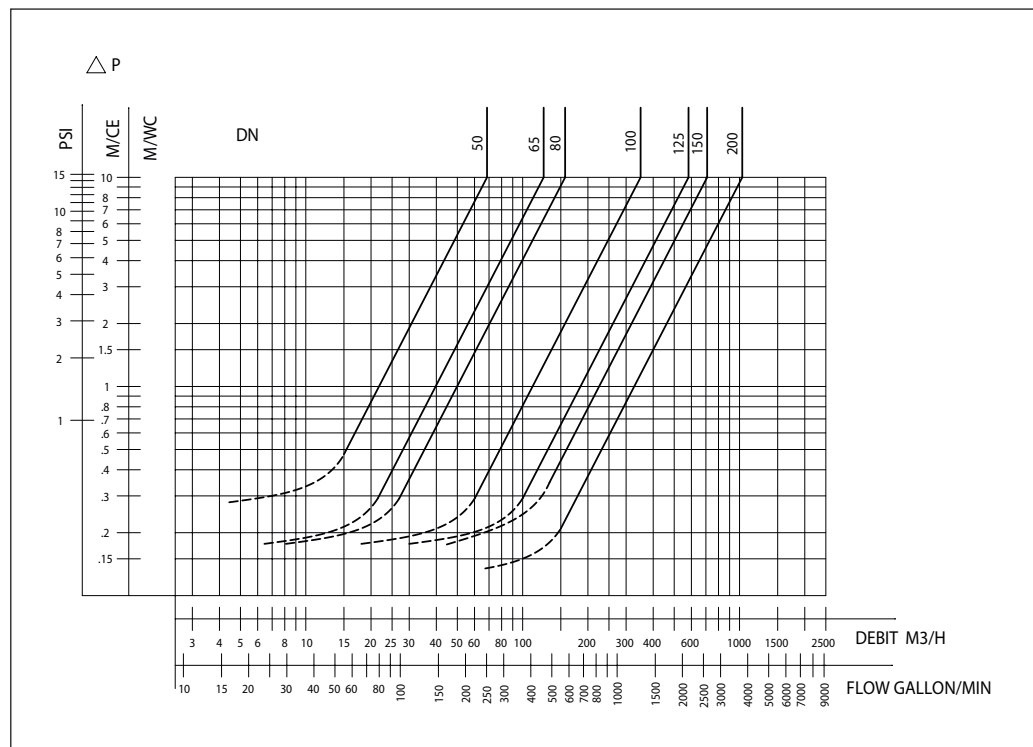


Headloss diagram

DN	Opening pressure (mm)	Kv (m³/h)	ζ
50	between 50 and 200	69	2.1
65		125	1.8
80		157	2.65
100		350	1.3
125		582	1.15
150		710	1.6
200		1031	2.4

Direction for use :

- Solid line : Valve completely open
- Dotted line : opening stage of valve



Danfoss A/S

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