

Data sheet

Non return Valve - Danfoss NVD 402

Description



- Closing system: long back axial guiding for reduced displacement
- Sealing guaranteed by a flat seal
- Return spring

Main Data:

- DN 40 - 250
- k_{vs} 47 - 2010 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
- Flange drilling according to EN1092-2

Features:

- Operates in any position
- Minimum head loss
- Silent, reliable sealing, compact
- Exceptional robustness
- Notch provided for cable to submerged pumps until DN 100.

- Approvals:

Ordering

"	DN	Kv (m ³ /h)	PN	PFA (bar)	PS (bar)				Code No.
					L1	L2	G1	G2	
1 ½	40	47	10/16	16	16	16	16	16	065B7470
2	50	99					15		065B7471
2 ½	65	159					12		065B7472
3	80	222					10		065B7473
4	100	396					0.5		065B7474
5	125	619					0.5		065B7475
6	150	890	10	10	10	10	10	065B7476	
8	200	1120						065B7477	
10	250	2010						065B7478	

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.

Dimensions

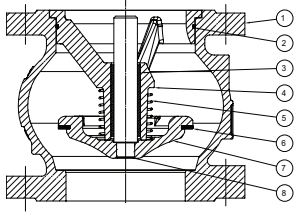
"	A DN	B (mm)	C (mm)	D (mm)	Weight (kg)
1 ½	40	85	80	150	4.2
2	50	100	97	165	5.8
2 ½	65	120	125	185	8.1
3	80	140	150	200	10.2
4	100	170	187	220	14.5
5	125	200	220	250	24
6	150	230	250	285	32
8	200	289	340	340	53
10	250	354	420	405	94

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Design

Pos.	Description	Material	EURO	ANSI
1	Casing DN 40-250	Cast iron / epoxy	EN 1561 EN-GJL-250	ASTM A 48 35 B
2	Ring seal DN 40-250	EPDM	-	-
3	Ring	Bronze	EN 1982 CuSn12-C GS	-
4	Guide DN50 DN 40&60-250	Bronze Cast iron / epoxy	EN 1982 CuSn5Zn5Pb2-C GS EN 1561 EN-GJL-250	ASTM A 48 35 B ASTM A 536
5	Spring	Stainless steel	EN 10270-3 X10CrNi18-8	AISI 302
6	Seal	EPDM	-	-
7	Closing system DN 40, DN 50-65	Brass Bronze	EN 12164 CuZn40Pb2 R360 EN 1982 CuSn5Zn5Pb2-C GS	-
7-8	DN 80-250 Stem Check-Valve	Bronze Ductile iron / epoxy	EN 1982 CuSn5Zn5Pb2-C GS EN 1561 EN-GJL-250	-

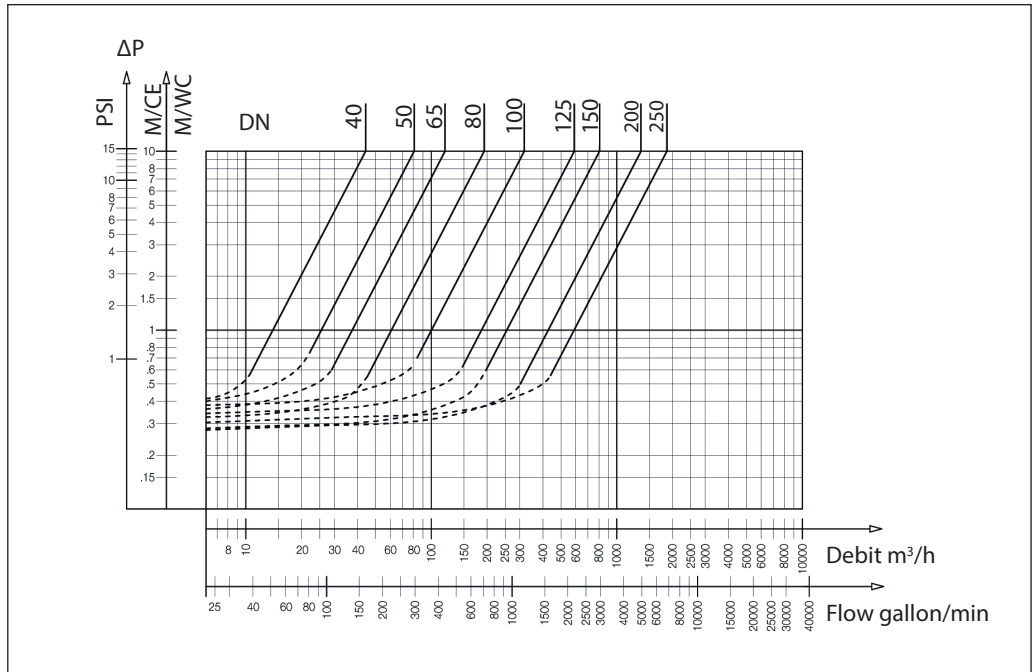


Headloss diagram

DN		Opening pressure in mm/CE				K _v (m ³ /h)	ζ
"	mm	↑	↓	↔	without spring		
1 ½	40	440	210	320	120	47	1.8
2	50	440	220	330	110	99	1
2 ½	65	450	190	320	130	159	1.1
3	80	450	190	320	130	222	1.3
4	100	500	240	370	130	396	1
5	125	510	210	360	150	619	1
6	150	550	210	380	170	890	1
8	200	590	210	400	190	1120	2
10	250	710	210	460	250	2010	1.5

Direction for use:

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



Danfoss A/S

Climate Solutions • danfoss.com • +45 7488 2222

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