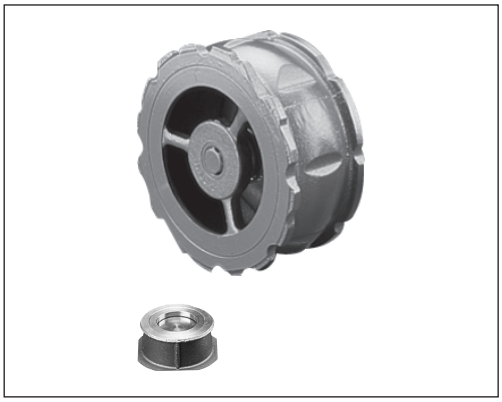
Data sheet

Non return Valve - Danfoss NVD 802

Description



Features:

- Operating position : horizontal and vertical
- Easy to install and dismantle, space-saving
- Minimum head loss
- Does not generate hammering
- Closing system : disc with parabolic edges with return spring ; lateral guiding by 3 or 4 ribs (DN 32 to 100).
- Closing system with back axial guiding and return spring (DN 125 to 200).
- Metal/metal seal (machined trim)
- Using these check valves on networks equipped with piston pumps or compressors is not recommended.

Main Data:

- DN 32 - 200
- k_{VS} 18 - 546 m^3/h
- PN 6/16
- Medium:
  - Circulation water, drinking water or chilled glycolic water up to 50%
- Medium Temperature:
  - 10 … 200°C (DN65 to 200mm : 100°C)
- Mounting between langes PN6/16
- Compliance with Pressure Equipment Directive 2014/68/EU
- Flange drilling according to EN1092-2
- Approvals:

Ordering

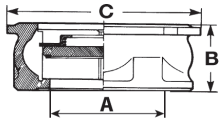
Note:
The indicated pressure for the different categories of fluids (L1/L2/G1/G2) is under no condition a guarantee of use.
Therefore, it is essential to validate the use of products under given operating conditions.

"	DN	Kv (m3/h)	PN	PFA (bar)	PS (bar)				Code No.
					L1	L2	G1	G2	
1 ¼	32	18	6/16	16	16	16	16	16	**065B7520**
1 ½	40	28							**065B7521**
2	50	40,1							**065B7522**
2 ½	65	72,5					15		**065B7523**
3	80	111					12		**065B7524**
4	100	182					10		**065B7525**
5	125	302	16				0,5		**065B7526**
6	150	370			13				**065B7527**
8	200	546			10				**065B7528**

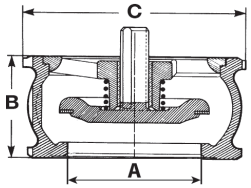
Dimensions

"	A DN	B (mm)	C (mm)	D (mm)	Weight (kg)
1 ¼	32	28	78	84	0,35
1 ½	40	31,5	88	94	0,52
2	50	40	98	109	0,73
2 ½	65	46	118	129	1,52
3	80	50	134	144	2,17
4	100	60	154	162	3,35
5	125	90	-	194	8,55
6	150	106	-	218	12,70
8	200	140	262	273	23,40

DN 1"¼ to 4"



DN 5"to 8"

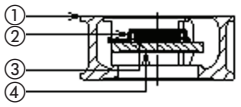


VD.BO.O2.02 © Danfoss 05/2019

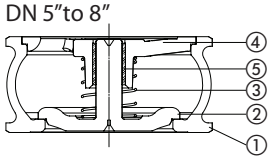
Design

Pos.	Description	Material	EURO	ANSI
1	Casing DN32 to 50 Casing	DZR brass	CuZn35Pb2Al-C	
	DN65 to 100	Cast iron + epoxy ext.	EN-GJL-250	ASTM A 48 35 B
	Casing DN125 to 200	Cast iron + epoxy ext.	EN-GJS-400-15	ASTM A 536 60-40-18
2	Closing system DN32 to 100	Stainless steel	X2CrNiMo17-12-2	AISI 316L
	Closing system DN125 to 200	Cast iron + epoxy	EN-GJL-250	ASTM A 48 35 B
3	Spring	Stainless steel	X10CrNi18-8	AISI 302
4	Stop guide DN32	Stainless steel	X2CrNiMo17-12-2	AISI 316L
	Stop guide DN40 to 100	Stainless steel	X2CrNi18-9	AISI 304L
	Stop guide DN125 to 200	Cast iron + epoxy	EN-GJL-250	ASTM A 48 35 B
5	Ring DN125 to 200	Bronze	CuSn12-C	

DN 1"¼ to 4"



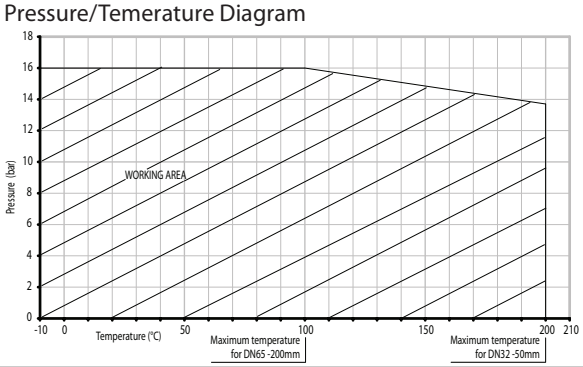
DN 5"to 8"



Headloss diagram

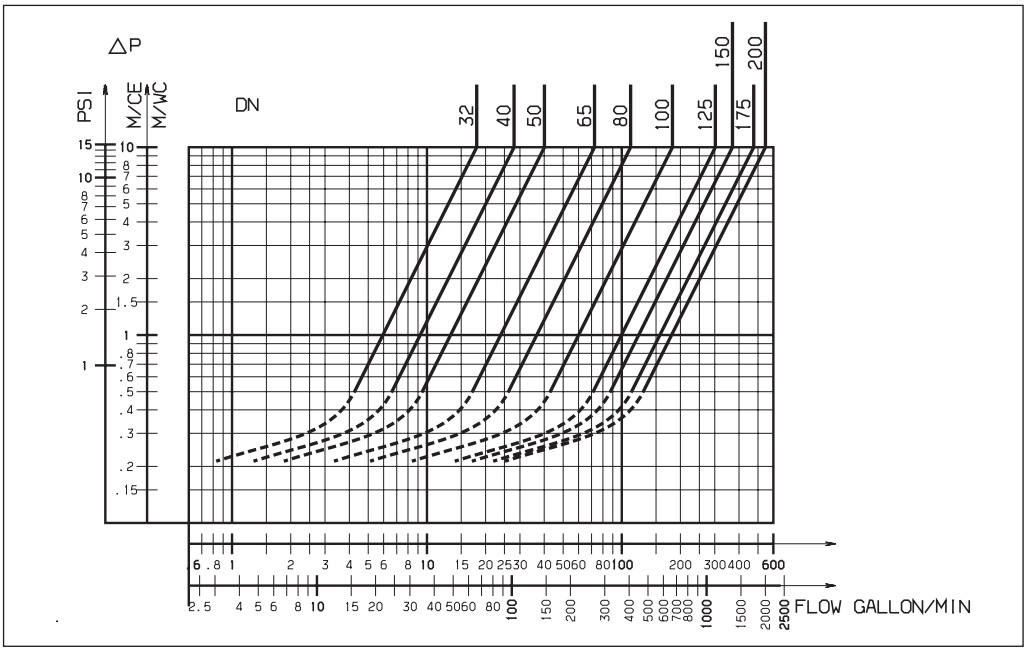
DN		Opening pressure (mm)/WC				K_V (m^3/h)	ζ
"	(mm)	↑	↓	↔	Without spring		
1 ¼	32	190	130	160	30	18,00	5,0
1 ½	40	200	120	160	40	28,00	5,1
2	50	210	110	155	50	40,10	6,1
2 ½	65	210	100	155	55	72,50	5,3
3	80	226	95	160	65	111,00	5,2
4	100	235	75	205	80	182,00	4,7
5	125	335	75	205	130	302,00	4,2
6	150	360	70	215	145	370,00	5,8
8	200	515	105	310	205	546,00	8,4

Pressure/Temerature Diagram



Direction for use :

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



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