



Butterfly valves

NVD 402

Features & benefits

- Operates in any position
- Minimum head loss
- Silent, reliable sealing, compact
- Exceptional robustness
- Notch provided for cable to submerged pumps until DN 100
- Closing system: long back axial guiding for reduced displacement
- Sealing guaranteed by a flat seal
- Return spring

Ordering

Product code numbers

Type	Diameter [mm]	Kvs values [m³/h]	Pressure nominal [bar]	Code number
NVD 402	40	47.00	16	065B7470
NVD 402	50	99.00	16	065B7471
NVD 402	65	159.00	16	065B7472
NVD 402	80	222.00	16	065B7473
NVD 402	100	396.00	16	065B7474
NVD 402	125	619.00	16	065B7475
NVD 402	150	890.00	16	065B7476
NVD 402	200	1120.00	10	065B7477
NVD 402	250	2010.00	10	065B7478

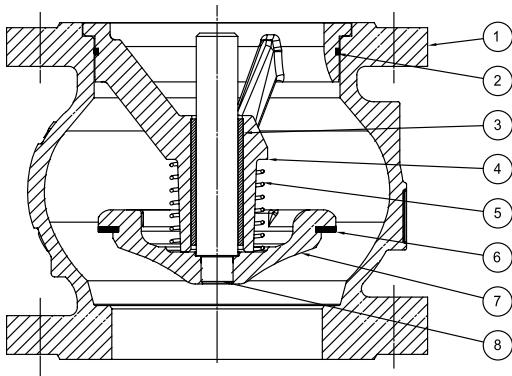
Code No.	"	PFA (bar)	PS (bar)			
			L ₁	L ₂	G ₁	G ₂
065B7470	1 ½	16	16	16	16	16
065B7471	2	16	16	16	16	16
065B7472	2 ½	16	16	16	15	16
065B7473	3	16	16	16	12	16
065B7474	4	16	16	16	10	16
065B7475	5	16	16	16	0.5	16
065B7476	6	16	13	16	0.5	16
065B7477	8	10	10	10	10	10
065B7478	10	10	10	10	10	10

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.



Product details

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	-

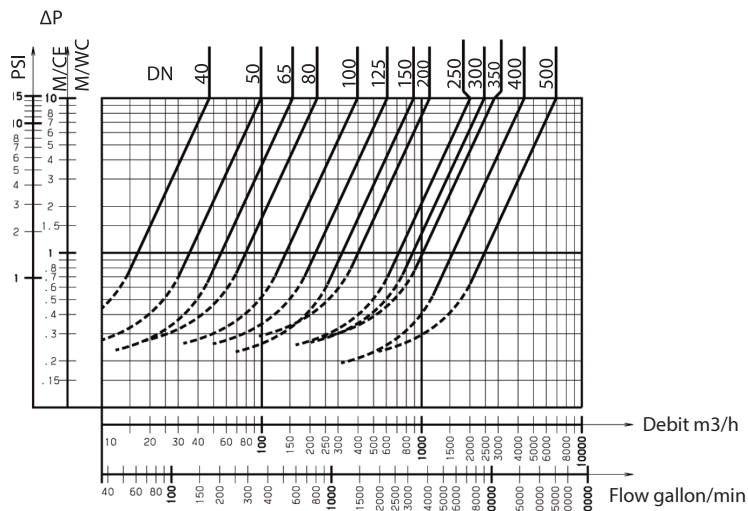
Performance and environmental conditions

Headloss diagram

DN	Opening pressure (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

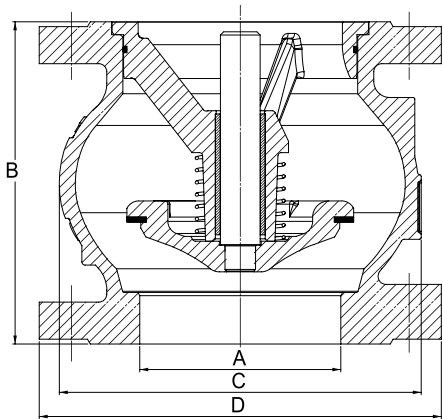
Direction for use:

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





Dimensions



	A	B	C	D	Weight
"	DN	(mm)	(mm)	(mm)	(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

Certificates, declarations and approvals

The list contains all certificates, declarations, and approvals for this product type. Individual code number may have some or all of these approvals, and certain local approvals may not appear on the list.

When you click on the link you will be directed to the latest version of the 'Declaration of Conformity'. Products developed and sold before this date of issue conform to the directives/standards in force at the time of their sale.

Approval type	Title	Issuer	Approval topic
Export Control Declaration	Butterfly valves	Danfoss	
EU Declaration	Danfoss EU BF23208651651en-000801	Danfoss	Pressure
Pressure Safety Certificate	LR 0094_PED_MAD_4002911 ENG Rev 03	LR - Lloyd's Register	Pressure
EU Declaration	Packaging EU Declaration of Conformity 260707EN0801	Danfoss	Packaging

Contact details

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