

BUTTERFLY VALVE TYPE WAFER

TYPE DVC6730



armatec



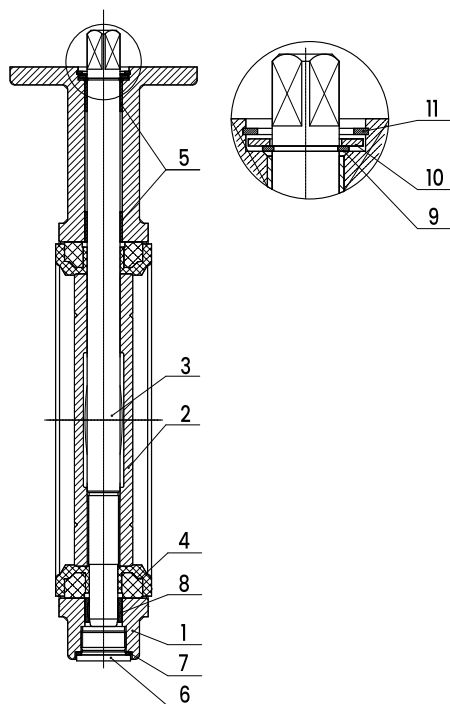
GENERAL

DIMENSION/PRESSURE:	DN50 - DN150 = PN16 DN200 - DN600 = PN10
SURFACE:	C3-POLYESTER POWDER COATING MIN. 200 µm, RAL 5015
FACE TO FACE:	EN558-1 SERIES 20
OPERATION:	FREE STEM
COUNTER FLANGES:	DN50 - DN300 = PN6/10/16/ANSI150 DN350 - DN400 = PN10/16/ANSI150 DN450 - DN600 = PN10
TOP FLANGE:	ISO 5211
CONSTRUCTION:	REPLACEABLE SEAT
APPROVALS:	FDA (EDPM FOOD*), ATEX, WRAS (EPDM*)

OPTIONS

DIMENSION/PRESSURE:	DN200 - DN600 = PN16
COUNTER FLANGES:	DN450 - DN600 = PN16/ANSI150
OPERATION:	HANDLE, GEAR, ACTUATOR (PNEUMATIC/ELECTRIC)

MATERIALS



MATERIAL DISC:	ALU-BRONZE TYPE E6720
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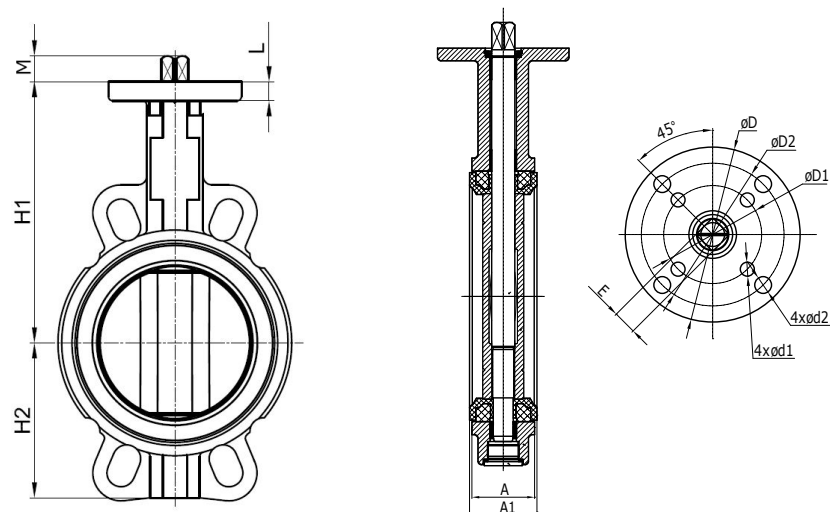
POS	DESCRIPTION	MATERIAL
1	BODY	DUCTILE IRON EN-JS-1030
2	DISC	STAINLESS STEEL CF8M
3	STEM*	STAINLESS STEEL AISI 410 / AISI 431
4	LINER	EPDM FOOD / NBR
5	BUSHING	BRONZE
6	PLUG	GALVANIZES CARBON STEEL
7	SEALING GASKET	PTFE
8	BUSHING	BRONZE
9	CIRCLIP	STÅL 65Mn
10	WASHER	GALVANIZES CARBON STEEL
11	CIRCLIP	STÅL 65Mn

* DN200 - DN600 = AISI 431

DESCRIPTION

- **High quality industrial butterfly valve** available with material certificate EN10204/3.1. Approved for ATEX zone 1/21. The EPDM liner is FDA approved.
- **Seat vulcanized** on a replaceable back-up ring compared to a traditional replaceable seat has several advantages: Exact tolerances produce 100 % tightness and prolong service life - suitable for vacuum and high flow velocity - mounting between flanges without seat displacement.
- **ISO 5211 top flanges** and 45° square stem enable direct mounting of actuator without the use of bracket or coupling.
- **Extended neck for easy isolation.**
- **Self-centering solution** for multiple flange standards DIN PN6/10/16 and ANSI150.
- **Optional** with actuator, gear or handle.

DIMENSIONS



DIM	VALVE				ISO TOP FLANGE						STEM		
[MM]	H1 [MM]	H2 [MM]	A [MM]	A1 [MM]	ISO 5211	øD [MM]	øD1 [MM]	4xød1 [MM]	øD2 [MM]	4xød2 [MM]	L [MM]	M [MM]	E
DN50-PN16	143	72	42,0	46,1	F05/F07	90	70	4xø7	50	4xø7	12	13,5	11
DN65-PN16	156	78	45,0	49,1	F05/F07	90	70	4xø7	50	4xø7	12	13,5	11
DN80-PN16	162	90	45,0	49,1	F05/F07	90	70	4xø7	50	4xø7	12	13,5	11
DN100-PN16	177	105	51,0	55,3	F05/F07	90	70	4xø10	50	4xø7	12	17,5	14
DN125-PN16	190	120	54,5	58,8	F07	90	70	4xø10	-	-	12	17,5	14
DN150-PN16	205	133	54,5	59,1	F07	90	70	4xø10	-	-	12	18,5	17
DN200-PN10	236	160	59,6	64,1	F07/F10	125	102	4xø12	70	4xø10	12	24,5	17
DN250-PN10	267	202	67,0	71,8	F10	125	102	4xø12	-	-	18	24,5	22
DN300-PN10	308	232	75,5	79,5	F10/F12	150	125	4xø14	102	4xø12	18	30,0	27
DN350-PN10	368	272	75,5	79,5	F12/F14	175	140	4xø18	125	4xø14	19	30,0	27
DN400-PN10	400	347	102,0	106,5	F12/F14	175	140	4xø18	125	4xø14	20	30,0	27
DN450-PN10	422	372	114,0	118,5	F14/F16	210	165	4xø22	140	4xø18	20	39,0	36
DN500-PN10	480	402	127	131,5	F14/F16	210	165	4xø22	140	4xø18	22	49,0	46
DN600-PN10	562	467	154	158,5	F16/F25	300	254	8xø18	165	4xø22	22	49,0	46

VALVE DATA

DIM [MM]	TORQUE* [NM]	KVS-VALUE [M³/H]	MAST** [NM]	WEIGHT [KG] FREE STEM
DN50-PN16	13,0	117	96	2,7
DN65-PN16	16,9	190	96	3,6
DN80-PN16	24,7	261	96	3,9
DN100-PN16	36,4	519	173	5,0
DN125-PN16	61,1	884	173	7,0
DN150-PN16	87,1	1366	317	8,0
DN200-PN10	170,3	2713	1122	13,2
DN250-PN10	291,2	4619	2271	19,0
DN300-PN10	417,3	7136	3200	31,0
DN350-PN10	715,0	10308	3200	42,0
DN400-PN10	981,5	14176	3515	63,0
DN450-PN10	1315,6	18775	5511	72,0
DN500-PN10	1755,0	24140	7135	100,0
DN600-PN10	2744,3	37295	12341	190,0

* Torque figures include 30% safety factor.

**Max allowed stem torque

PRESSURE/TEMPERATURE

DIM	MAX. OPERATION PRESSURE [BAR]	LINER	TEMPERATURE [°C]
DN32 - DN150	16	NBR	-10°C til 80°C
		EPDM	-20°C til 120°C
DN200 - DN600	10	NBR	-10°C til 80°C
		EPDM	-20°C til 120°C



Temperature/Pressure

Butterfly valves from DVC is delivered with different pressure levels and with different liner types. Always check the name plate to ensure correct operation. Pressure systems with flanges according to EN1092-1 has some limitations. Be careful not to exceed the allowable pressure/temperature limits, as this may cause damage to personal or equipment.

Rubber seat (NBR, EPDM):

Rubber will over time lose flexibility and compression set. The higher the temperature rubber is installed in, the shorter the expected lifespan is.

Our values for temperature is given to the best of our knowledge, and we advise that valves are tested for lifespan if installation is running near the given temperature limit. If in doubt, please consult us.

Replaceable seat:

The seat is replaceable as it is vulcanized onto a phenol back-up ring.