

DOUBLE EXCENTRIC TYPE BUTTERFLY VALVE WITH ELECTRIC ACTUATOR BERNARD VP 4201-B04

Ref. : VP 4201-B04.pas

Rev. G

Date: 10/05/2016



PA Ventil AB

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APPLICATION

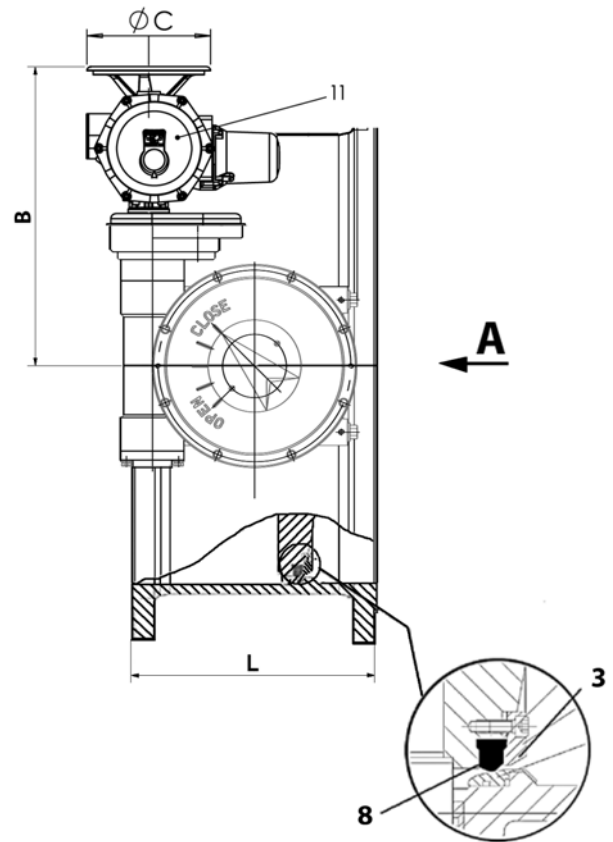
General use : potable water.

GENERAL CHARACTERISTICS

TECWAT type : long pattern.
 Design in according to EN 593.
 Range : from DN 100 to DN 2000.
 Assembling with preferential sense
 Bi-directional on demand.
 Double excentric type.
 Replaceable seat, no wrenking possibility.
 Food epoxy painting.

CONSTRUCTION

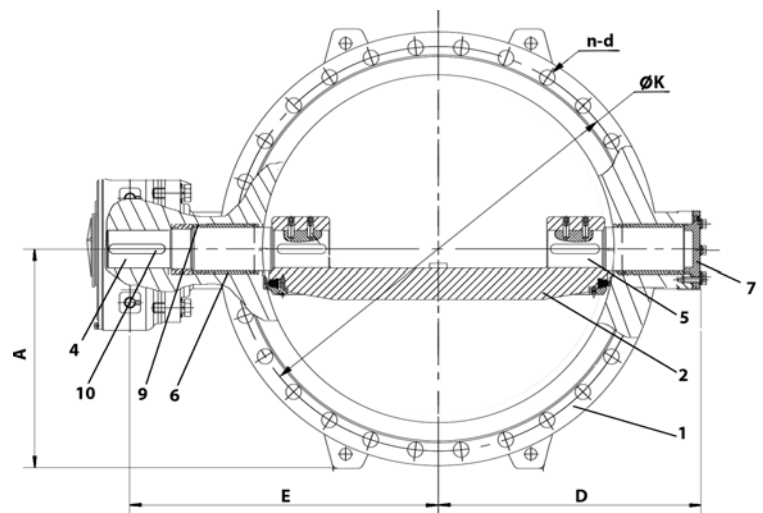
11	1	Electric actuator		BERNARD
10	2	Key	Stainless steel X20Cr13	DIN: 1.4021 ASTM: AISI 420 BS: 420 S 37
9	2	O-ring	EPDM	
8	1	Sealing ring	EPDM	
7	1	Cover free end	Ductile iron EN-GJS-500-7	DIN: GGG 50 ASTM: A536 70-50-05 BS: 1563 EN-JS1050
6	2	Bearing bush	Al-Bronze	
5	1	Shaft free end	Stainless steel X20Cr13	DIN: 1.4021 ASTM: AISI 420 BS: 420 S 37
4	1	Shaft driven end	Stainless steel X20Cr13	DIN: 1.4021 ASTM: AISI 420 BS: 420 S 37
3	1	Retaining ring	Steel	
2	1	Disc	Ductile iron EN-GJS-500-7	DIN: GGG 50 ASTM: A536 70-50-05 BS: 1563 EN-JS1050
1	1	Body	Ductile iron EN-GJS-500-7	DIN: GGG 50 ASTM: A536 70-50-05 BS: 1563 EN-JS1050
Rep.	Nb.	Designation	Material	



VIEW A

DIMENSIONS

DN	L	A	B	ØC	D	ØK	E	n-d	Actuator type	Weight (kg)	
mm	inch										
100	4"	190	117	376	300	133	180	284	8-Ø19	ASM6	47
150	6"	210	147.5	376	300	164	240	315	8-Ø23	ASM6	52
200	8"	230	175	413	300	198	295	392	8-Ø23	ASM6	67
250	10"	250	202.5	413	300	219	350	413	12-Ø23	ASM6	82
300	12"	270	227.5	454	400	254	400	511	12-Ø23	ASM6	116
350	14"	290	257.5	454	400	279	460	536	16-Ø23	ASM10	142
400	16"	310	287.5	466	400	320	515	632	16-Ø28	ASM10	200
450	18"	330	312.5	466	400	359	565	662	20-Ø28	ASM10	231
500	20"	350	340	592.5	300	393	620	713	20-Ø28	ASM6	281
600	24"	390	395	589.5	400	450	725	780	20-Ø31	ASM10	416
700	28"	430	452.5	589.5	400	530	840	798	24-Ø31	ASM10	578
800	32"	470	512.5	620.5	400	614	950	891	24-Ø34	ASM10	802
900	36"	510	562.5	695.5	300	675	1050	950	28-Ø34	ASM16	1052
1000	40"	550	620	705	300	748	1160	1039	28-Ø37	ASM10	1420
1200	48"	630	732.5	764.5	300	865	1380	1181	32-Ø41	ST14	2055
1400	56"	710	842.5	817	300	1015	1590	1338	36-Ø44	ST14	3067
1600	64"	790	962.5	817	300	1161	1820	1463	40-Ø50	ST14	3794
1800	72"	870	1062.5	917	300	1324	2020	1712	44-Ø50	ST14	5389
2000	80"	950	1167.5	964	450	1437	2230	1817	48-Ø50	ST30	7436



WORKING CONDITIONS

Maximum working pressure : 10 bar.
 Maximum temperature : + 80 °C.

STANDARDS

Design according to EN 593.
 Test procedures are established according to standards EN 12266-1 and API 598.
 Face to face according to standard EN 558-1 serie 14.
 Connections according to standard EN 1092-2 ISO PN10.
 Optional certificat of health conformity (ACS) by request.



The photographs and technical art works are not contractual. The specifications of the presented products are open to modifications without previous advice.