1113-1114 BUTTERFLY VALVE + ADA PNEUMATIC ACTUATOR

MAIN CHARACTERISTICS

The double excentric 1113-114 + actuator is a high performance butterfly valve. It is dedicated to the automatic shut-off of high pressure fluids 'lines and high or low temperatures applications like steam, bitumen, thermal oil, alkaline,..This valve has a one way flow but the in-line tightness is bi-directional. The stem of the one-piece disc is fitted with bearings and has got an anti-static device. The fire-safe design makes it applicable for oil and gas applications. The ISO 5211 standardized mounting pad allows an easy actuation of the valve. The actuation with pneumatic actuator is available both with double effect and spring return types. Numerous options and accessories are available.

CE 0036 | 3.1 Cert. | Ex | SÉCU FEU

AVAILABLE MODELS

1113 : carbon steel body

1114 : stainless steel body

Size 50 to 300, Face to face according to ISO 5752 serial 20

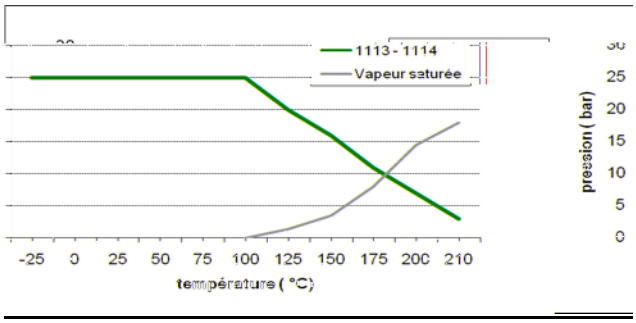
Wafer mounting for EN 1092 PN 25 RF flanges

Double effect and spring return actuators



LIMITS OF USE

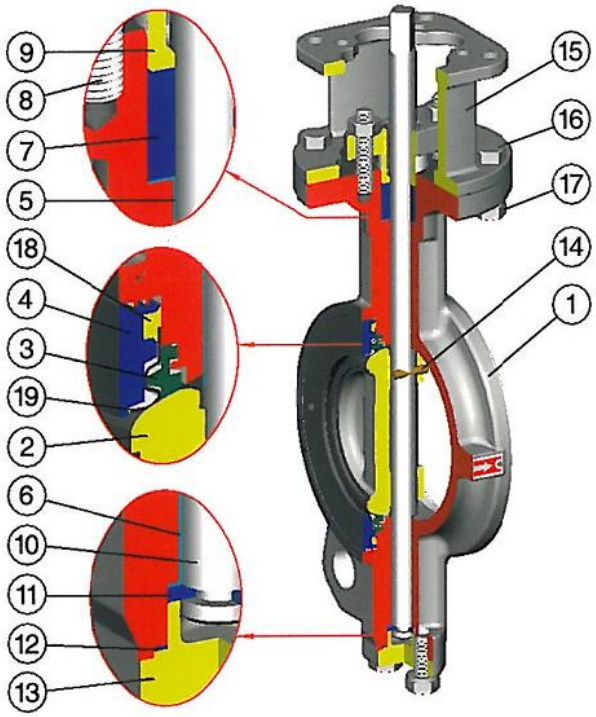
Pressure : PS	25 bar
Temperature of fluid : TS	CS : -25°C / +210°C SS : -30°C / +210°C
Room temperature	-30°C / +100°C
Compressed air feeding	mini 6 bar / maxi 10 bar



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REGULATIONS AND STANDARDS OF CONSTRUCTION

	Standard
P.E.D. CE 97/23	Cat.III Module H - CE 0035
ATEX directive	EN 13463-1 : II 2G/D
Body sizing	API 609 et MSS SP-68
Body materials	EN 1503-2
Material certificate	EN 10204
Flanges' dimensions	EN 1092-1
Face to face dimensions	ISO 5752 série 20
In-line tighness	ANSI/FCI 70-2
Final testing	ISO 5208 et MSS SP-61
Fire safe	API 607/5 – ISO 10497-5
Motorization connection	ISO 5211
Pilot solenoid connection	NAMUR
LSB connection	VDI/VDE 3845
Safety Integrated Level 3 (actuator)	EN 61508

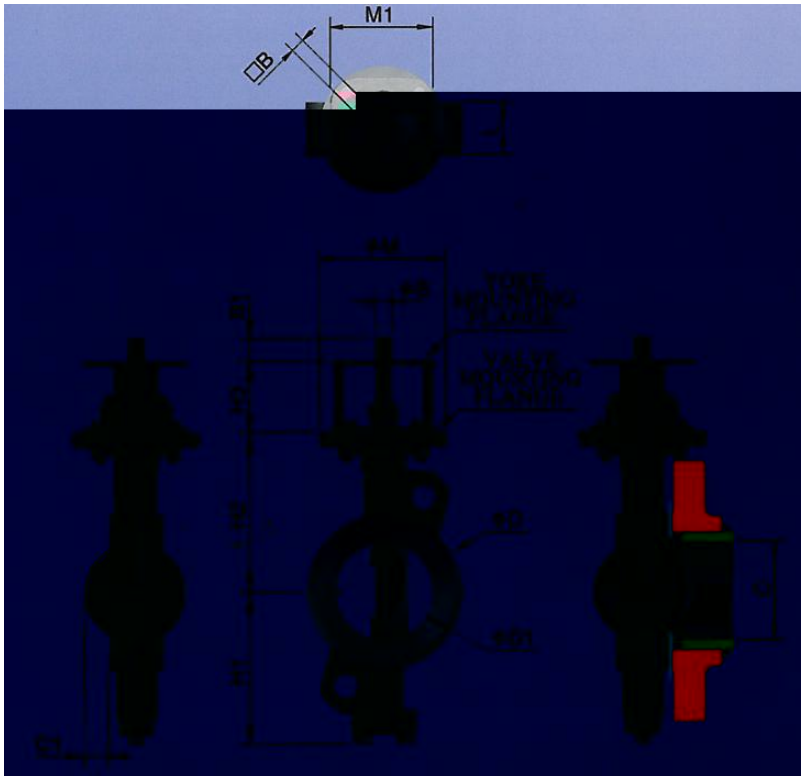


CONSTRUCTION

Num	Item	Material CS 1113	Material SS 1114
1	Body	Carbon steel 1.609	Stainless steel 1.4408
2	Disc	Stainless steel 1.4408	
3	Seat	PTFE + 15 % graphite	
4	Retainer	Stainless steel 1.4308	
5	Bushing	PTFE + stainless steel	
6	Bushing	PTFE + stainless steel	
7	Packing	Graphite	
8	Stud	ASTM A 193 B8	
9	Gland	Stainless steel 1.4308	
10	Stem	Stainless steel 364 630	
11	Thurst ring	Stainless steel ASTM A240 Gr. 316	
12	Seal	Graphite	
13	Bottom cover	Carbon steel 1.609	Acier inoxydable 1.4408
14	Pin	ASTM A 182 F316	
15	Yoke	Carbon steel 1.609	Stainless steel 1.4408
16	Bolt	ASTM A 193 B8	
17	Nut	ASTM A 194 B8	
18	Gasket	Graphite	
19	Metal seat	Stainless steel ASTM A240 Gr. 316	

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DIMENSIONS (mm)



Size	L	H1	H2	H3	Ø D	Ø D1	C	C1	Weight (Kg)
50	43	99	118	60	92	37	49	2	3,9
65	46	110	125	60	108	63	62	15	4,5
80	47	128	140	70	126	78	78	22	7
100	53	150	157	70	153	95	93	25	9
125	57	163	170	70	184	118	120	36	12
150	56	176	185	70	212	143	149	50	13,5
200	62	206	220	80	268	188	196	70	22
250	68	238	260	80	326	236	243	90	32
300	78	269	290	100	375	282	289	106	48

FLOW COEFFICIENT Kv (m^3/h)

Size	50	65	80	100	125	150	200	250	300
Kv	56	119	222	358	615	1709	1709	2649	4059

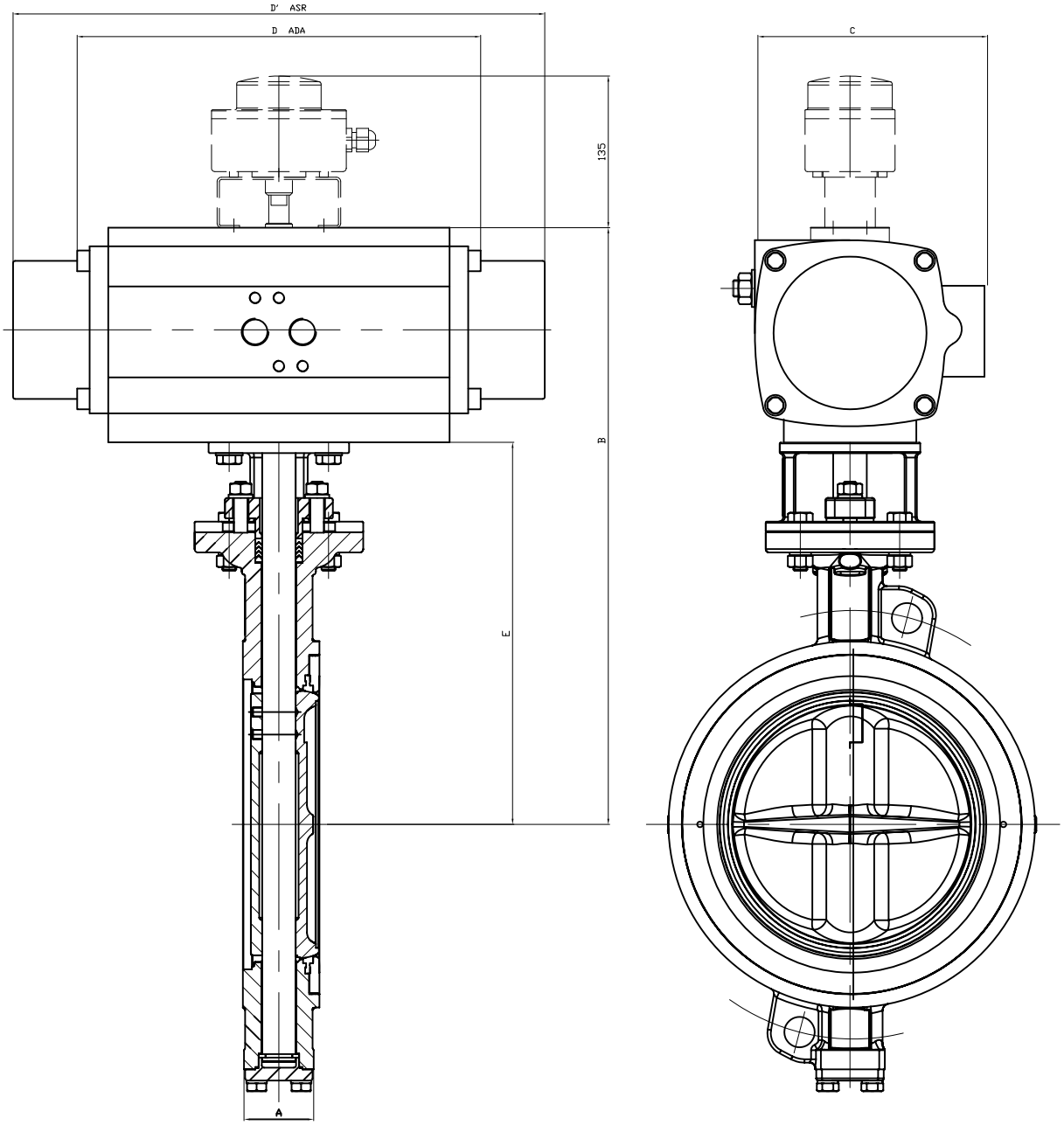
MOTORIZATION WITH ADA ACTUATOR

The ACTREG actuators are sized for following operating conditions:

- rack and pignion anodized aluminium actuator,
- 1,3 minimum safety factor on nominal torque value of the valve,
- dry, non-lubricated 6 bar compressed air,
- max. differential pressure upstream/downstream ΔP=10 bar,

The mounting of the actuator on the valve is in stainless steel and according to standard EN 15081.

Size	Double effect	V (liters)	Time (s)*	Spring return	V (liters)	Time (s)*
50	DA 40	1,9	1	SR 80	2	1
65	DA 40	1,9	1	SR 80	2	1
80	DA 80	3,6	1	SR 130	3,3	1
100	DA 80	3,6	1	SR 200	4,8	1



DN	65		80		100		125		150		200		250		300	
ACTREG	ADA40	ASR80	ADA80	ASR130	ADA80	ASR200	ADA200	ASR300	ADA300	ASR500	ADA300	ASR500	ADA500	ASR850	ADA500	ASR850
A	46		47		53		57		56		62		68		78	
B	270	292	317	327	334	362	375	392	407	424	452	469	509	531	559	581
C	91	111	111	122	111	135.5	135.5	152.5	152.5	173	152.5	173	173	191.5	173	191.5
D	158	-	177	-	177	-	225	-	273	-	273	-	304	-	304	-
D'	-	217	-	258	-	299	-	348.5	-	397	-	397	-	473	-	473
E	185		210		227		240		255		300		340		390	

				Changement de titre	05/04/2013	A
Ech: /	Date :14/02/2011	Dessiné par : E.D.	Tolérances générales : +/- 0.2	Modifications	Date	REV.
LAURIDSEN industri				Matière :		
				Poids (Kg) :		
				Traitement : SANS		
				Plan n° Ens 1079A		