Base Load Power Hub (BLPH)

SDV/BDV AND TIGHT SHUT-OFF XV VALVES

VALVE,ACTUATOR AND ASSEMBLY GENERAL ARRANGEMENT DRAWING AND NAMEPLATE DRAWING

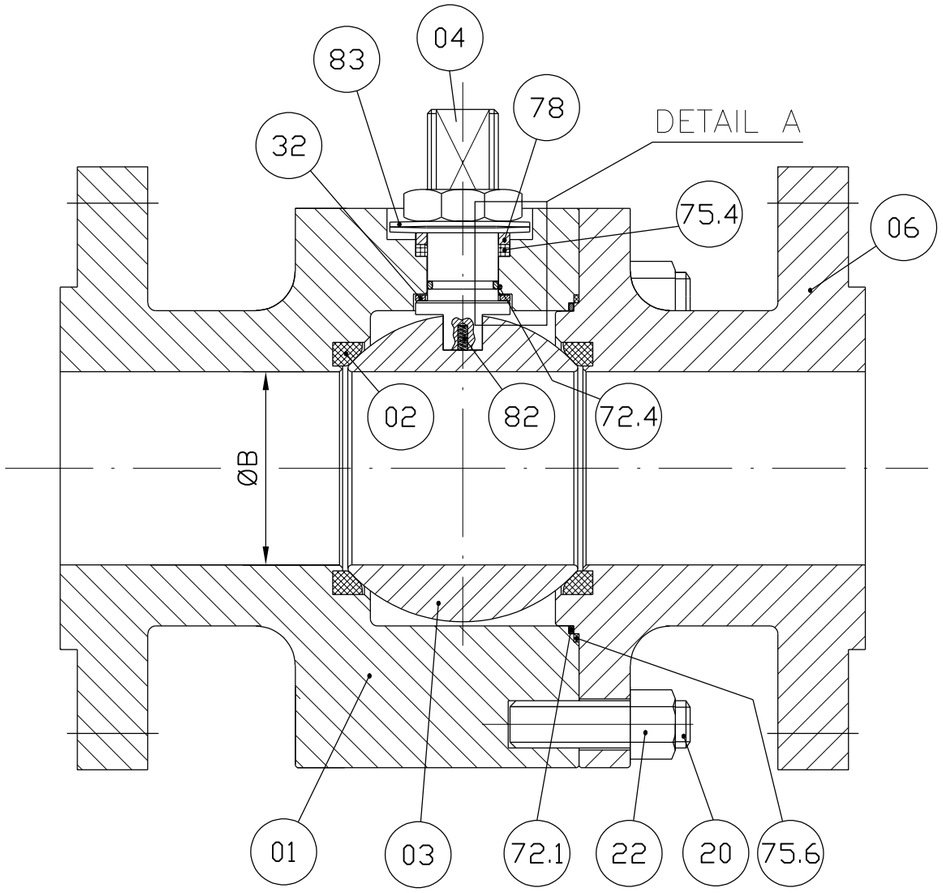
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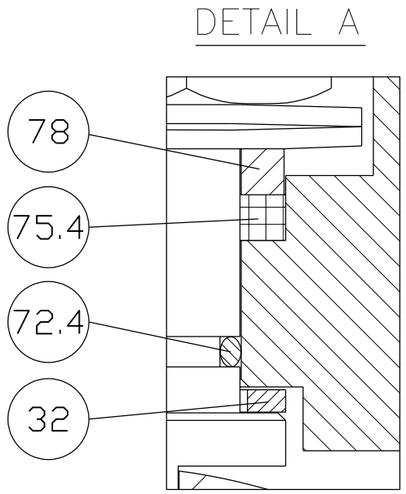
Document Class: 2

04	02/08/2024	Accepted for construction (AFC)	S. Madahar	D. Barcella	L. Mora
03	02/07/2024	Issue for Review (IFR)	S. Madahar	D. Barcella	L. Mora
02	10/05/2024	Issue for Review (IFR)	S. Madahar	D. Barcella	L. Mora
01	16/04/2024	Issue for Review (IFR)	S. Madahar	D. Barcella	L. Mora
00	28/02/2024	Issue for Review (IFR)	S. Madahar	D. Barcella	L. Mora
Rev.	Date	Description	Prepared	Reviewed	Approved

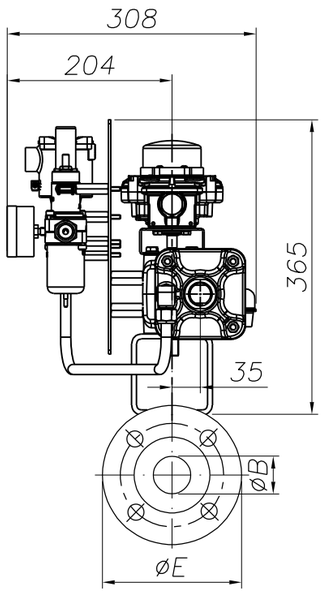
Fluitek Valves

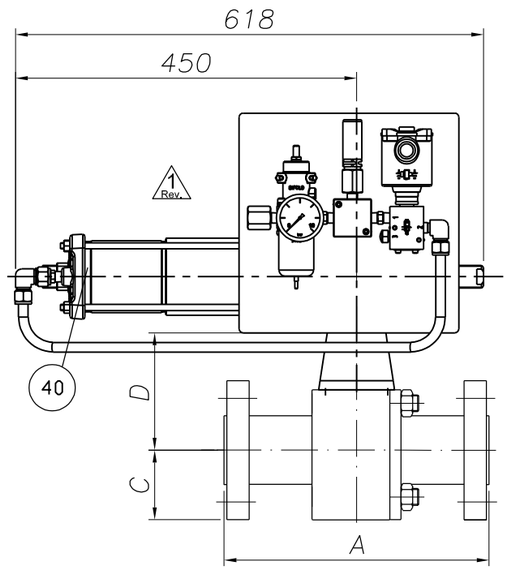
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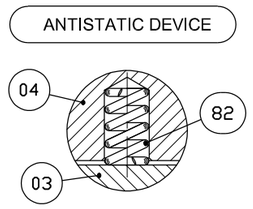




POS.	PART. NAME	MATERIAL
01	BODY	A182 F316/316L
02	SEAT	RPTFE
03	BALL	A182 F316/316L
04	STEM	API 6A CRA UNS N07718
06	CLOSURE	A182 F316/316L
20	STUD	A193 B8M
22	NUT	A194 Gr.8M
32	THRUST BEARING	RPTFE
40	PNEUMATIC ACTUATOR	MFR. STD.
72.1	FLANGE O-RING	VITON GLT/AED
72.4	STEM O-RING	VITON GLT/AED
75.4	STEM GASKET	GRAPHITE
75.6	FLANGE GASKET	GRAPHITE
78	PACKING RING	A479 Tp.316
82	ANTISTATIC DEVICE	INCONEL X750
83	BELLEVILLE WASHER	AISI 301







REMARKS:

- Dimensions are in mm
- Design acc. to API 6D
- Face to face acc. to ASME B16.10/API 6D
- Flange connection acc. to ANSI B16.5
- Antistatic device acc. to API 6D

(*): To Be Confirmed

POS:	ITEM:	DATA SHEET:	TAG:	Q.TY:	SIZE:	CLASS:	ENDS:	A	ØB	C	D(*)	ØE	Valve Weight (kg):	Actuator Weight (kg):	Tot. Weight (kg):
01	10	BS03C01RFH	25-BDV-022	1	1"	300	RF	165	25	62	92	124	7	34	41

1 Rev.

2 Rev.

CUSTOMER :	ROSETTI MARINO S.p.A.		
P.O. N. :	1724000204 123A90A/REV.1		
JOB N. :	240062		

Rev.	DESCRIPTION	DRAWN	DATE	CHK'D	DATE	APPV'D	DATE
3							
2	ISSUED FOR APPROVAL	S.Madahar	22/04/2024	D.Barcella	22/04/2024	L.Mora	22/04/2024
1	ISSUED FOR APPROVAL	S.Madahar	15/04/2024	D.Barcella	15/04/2024	L.Mora	15/04/2024
0	FIRST ISSUE	S.Madahar	26/02/2024	D.Barcella	26/02/2024	L.Mora	26/02/2024

DRAWING NOT IN SCALE

Fluitek Valves

DRAWN: S.Madahar — DATE: 26/02/2024

CHK'D: D.Barcella — DATE: 26/02/2024

APPV'D: L.Mora — DATE: 26/02/2024

DESCRIPTION: **GENERAL ASSEMBLY DRAWING**

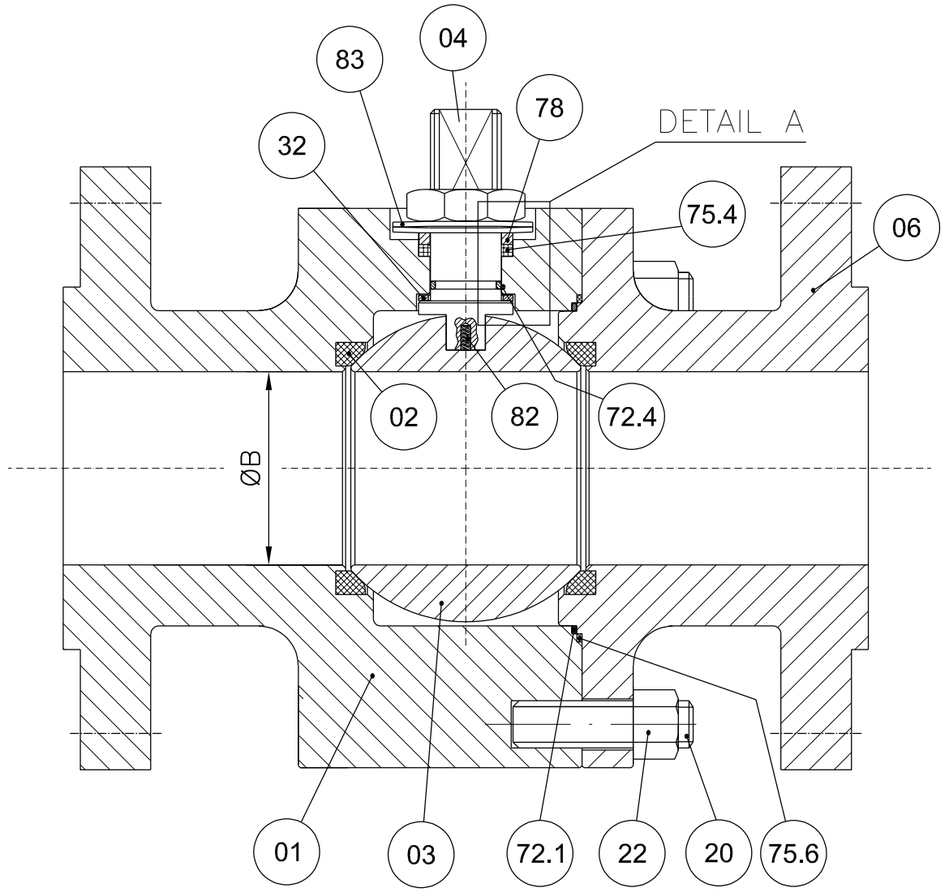
VALVE TYPE: **SPLIT BODY FLOATING BALL VALVE**

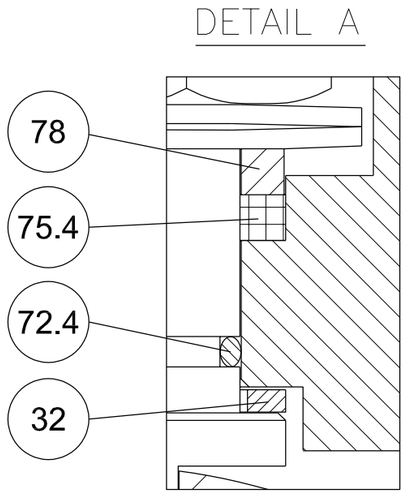
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ALL RIGHTS OF THIS DRAWING ARE RESERVED.

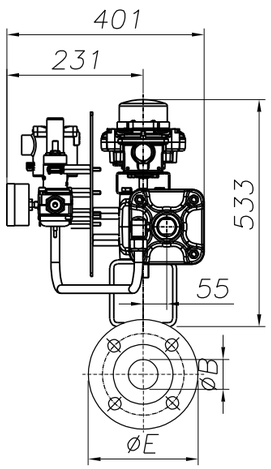
DRAWING NAME: **D240062-01**

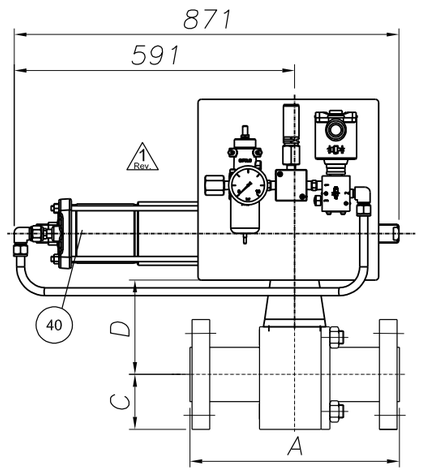
Rev.: 2



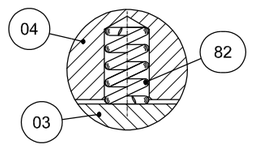


POS.	PART. NAME	MATERIAL
01	BODY	A182 F316/316L
02	SEAT	RPTFE
03	BALL	A182 F316/316L
04	STEM	API 6A CRA UNS N07718
06	CLOSURE	A182 F316/316L
20	STUD	A193 B8M
22	NUT	A194 Gr.8M
32	THRUST BEARING	RPTFE
40	PNEUMATIC ACTUATOR	MFR. STD.
72.1	FLANGE O-RING	VITON GLT/AED
72.4	STEM O-RING	VITON GLT/AED
75.4	STEM GASKET	GRAPHITE
75.6	FLANGE GASKET	GRAPHITE
78	PACKING RING	A479 Tp.316
82	ANTISTATIC DEVICE	INCONEL X750
83	BELLEVILLE WASHER	AISI 301





ANTISTATIC DEVICE



REMARKS:

- Dimensions are in mm
- Design acc. to API 6D
- Face to face acc. to ASME B16.10/API 6D
- Flange connection acc. to ANSI B16.5
- Antistatic device acc. to API 6D

(*): To Be Confirmed

1 Rev.

POS:	ITEM:	DATA SHEET:	TAG:	Q.TY:	SIZE:	CLASS:	ENDS:	A	ØB	C	D(*)	ØE	Valve Weight (kg):	Actuator Weight (kg):	Tot. Weight (kg):
02	20	BA03C01RFH	25-BDV-005	1	4"	300	RF	305	102	127	209	254	74	95	169
03	30	BA03C01RFH	25-BDV-007	1	4"	300	RF	305	102	127	209	254	74	95	169
04	40	BA03C01RFH	25-BDV-010	1	4"	300	RF	305	102	127	209	254	74	95	169
05	50	BA03C01RFH	25-BDV-013	1	4"	300	RF	305	102	127	209	254	74	95	169
06	60	BA03C01RFH	25-BDV-016	1	4"	300	RF	305	102	127	209	254	74	95	169
07	70	BA03C01RFH	25-BDV-019	1	4"	300	RF	305	102	127	209	254	74	95	169

CUSTOMER :	ROSETTI MARINO S.p.A.				
P.O. N. :	1724000204 123A90A/REV.1				
JOB N. :	240062				

Rev.	DESCRIPTION	DRAWN	DATE	CHK'D	DATE	APPV'D	DATE
3							
2	ISSUED FOR APPROVAL	S.Madahar	22/04/2024	D.Barcella	22/04/2024	L.Mora	22/04/2024
1	ISSUED FOR APPROVAL	S.Madahar	15/04/2024	D.Barcella	15/04/2024	L.Mora	15/04/2024
0	FIRST ISSUE	S.Madahar	26/02/2024	D.Barcella	26/02/2024	L.Mora	26/02/2024

DRAWING NOT IN SCALE

Fluitek Valves

DESCRIPTION: **GENERAL ASSEMBLY DRAWING**

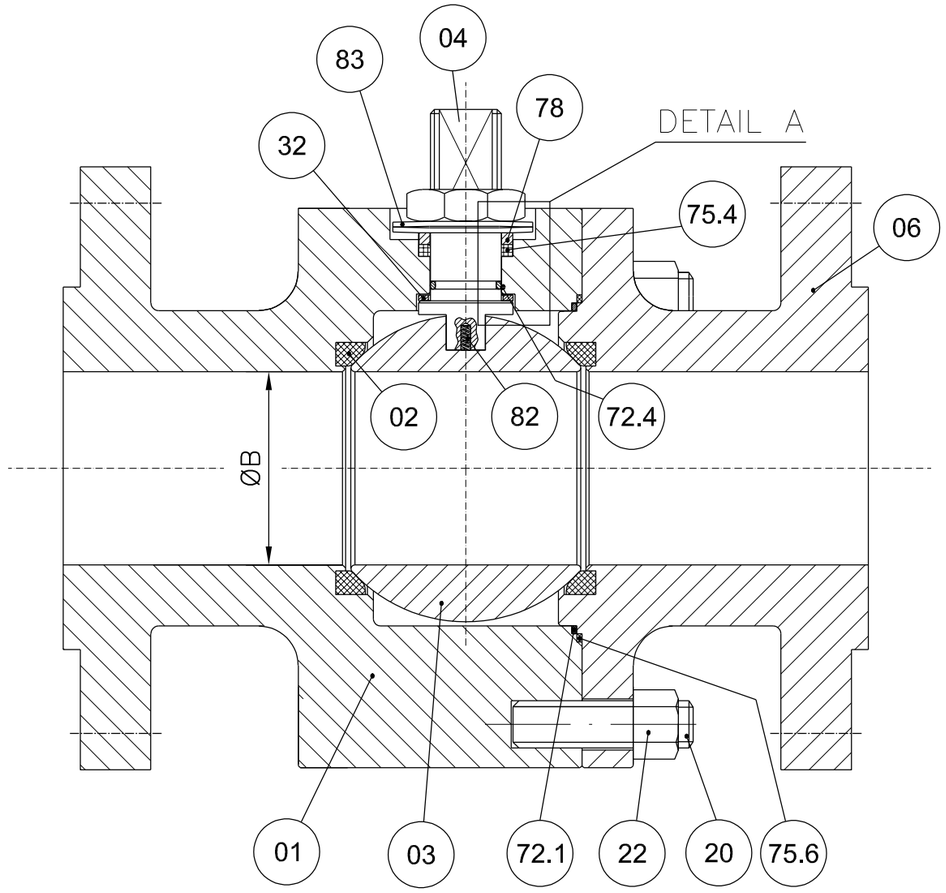
VALVE TYPE: **SPLIT BODY FLOATING BALL VALVE**

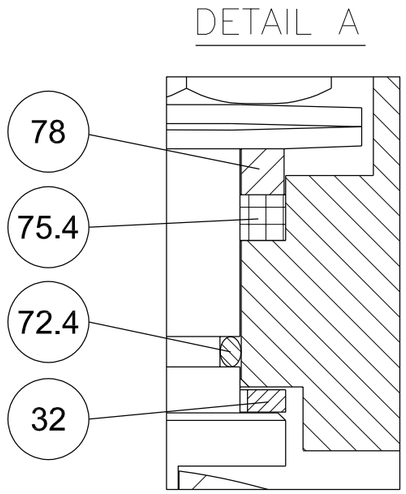
DRAWN: S.Madahar	DATE: 26/02/2024	
CHK'D: D.Barcella	DATE: 26/02/2024	
APPV'D: L.Mora	DATE: 26/02/2024	
SIZE: A3	SCALE: N.A.	DRAWING NAME: D240062-02-03-04-05-06-07

ALL RIGHTS OF THIS DRAWING ARE RESERVED.

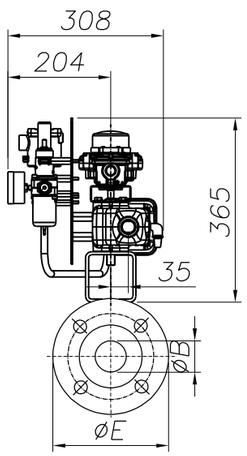
Rev.: 2

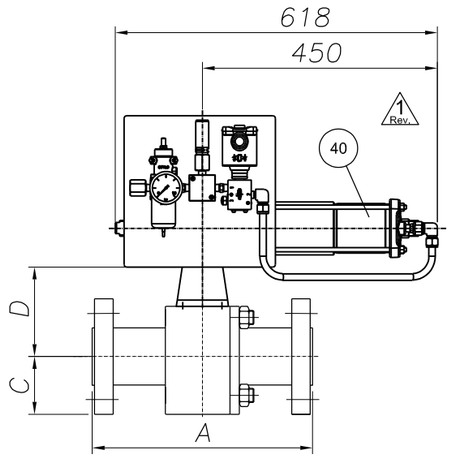
2 Rev.



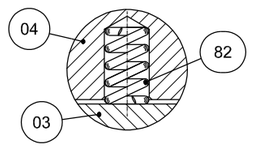


POS.	PART. NAME	MATERIAL
01	BODY	A182 F316/316L
02	SEAT	RPTFE
03	BALL	A182 F316/316L
04	STEM	API 6A CRA UNS N07718
06	CLOSURE	A182 F316/316L
20	STUD	A193 B8M
22	NUT	A194 Gr.8M
32	THRUST BEARING	RPTFE
40	PNEUMATIC ACTUATOR	MFR. STD.
72.1	FLANGE O-RING	VITON GLT/AED
72.4	STEM O-RING	VITON GLT/AED
75.4	STEM GASKET	GRAPHITE
75.6	FLANGE GASKET	GRAPHITE
78	PACKING RING	A479 Tp.316
82	ANTISTATIC DEVICE	INCONEL X750
83	BELLEVILLE WASHER	AISI 301





ANTISTATIC DEVICE



REMARKS:

- Dimensions are in mm
- Design acc. to API 6D
- Face to face acc. to ASME B16.10/API 6D
- Flange connection acc. to ANSI B16.5
- Antistatic device acc. to API 6D

(*): To Be Confirmed

POS:	ITEM:	DATA SHEET:	TAG:	Q.TY:	SIZE:	CLASS:	ENDS:	A	ØB	C	D(*)	ØE	Vlv. WT. (kg):	Act. WT. (kg):	Tot. WT. (kg):
08	80	BS03C01RFH	25-SDV-001	1	1"	300	RF	165	25	62	92	124	7	34	41
10	100	BS03C01RFH△	64-SDV-001	1	1"	300	RF	165	25	62	92	124	7	34	41
11	110	BS03C01RFH	25-XV-004	1	1"	300	RF	165	25	62	92	124	7	34	41
12	120	BS03C01RFH	25-XV-006	1	1"	300	RF	165	25	62	92	124	7	34	41
13	130	BS03C01RFH	25-XV-008	1	1"	300	RF	165	25	62	92	124	7	34	41
14	140	BS03C01RFH	25-XV-009	1	1"	300	RF	165	25	62	92	124	7	34	41
15	150	BS03C01RFH	25-XV-011	1	1"	300	RF	165	25	62	92	124	7	34	41
16	160	BS03C01RFH	25-XV-012	1	1"	300	RF	165	25	62	92	124	2 Rev. 7	34	2 Rev. 41

(*): To Be Confirmed

POS:	ITEM:	DATA SHEET:	TAG:	Q.TY:	SIZE:	CLASS:	ENDS:	A	ØB	C	D(*)	ØE	Vlv. WT. (kg):	Act. WT. (kg):	Tot. WT. (kg):
17	170	BS03C01RFH	25-XV-014	1	1"	300	RF	165	25	62	92	124	7	34	41
18	180	BS03C01RFH	25-XV-015	1	1"	300	RF	165	25	62	92	124	7	34	41
19	190	BS03C01RFH	25-XV-017	1	1"	300	RF	165	25	62	92	124	7	34	41
20	200	BS03C01RFH	25-XV-018	1	1"	300	RF	165	25	62	92	124	7	34	41
21	210	BS03C01RFH	25-XV-020	1	1"	300	RF	165	25	62	92	124	7	34	41
22	220	BS03C01RFH	25-XV-021	1	1"	300	RF	165	25	62	92	124	7	34	41
23	230	BS03C01RFH	25-XV-024	1	1"	300	RF	165	25	62	92	124	7	34	41
28	280	BS01C01RFH	80-XV-001	1	1"	150	RF	127	25	54	95	108	6	34	40

CUSTOMER :	ROSETTI MARINO S.p.A.
P.O. N. :	1724000204 123A90A/REV.1
JOB N. :	240062

Rev.	DESCRIPTION	DRAWN	DATE	CHK'D	DATE	APPV'D	DATE
3							
2	ISSUED FOR APPROVAL	S.Madahar	22/04/2024	D.Barcella	22/04/2024	L.Mora	22/04/2024
1	ISSUED FOR APPROVAL	S.Madahar	15/04/2024	D.Barcella	15/04/2024	L.Mora	15/04/2024
0	FIRST ISSUE	S.Madahar	26/02/2024	D.Barcella	26/02/2024	L.Mora	26/02/2024

DRAWING NOT IN SCALE

Fluitek Valves

DESCRIPTION: GENERAL ASSEMBLY DRAWING

VALVE TYPE: SPLIT BODY FLOATING BALL VALVE

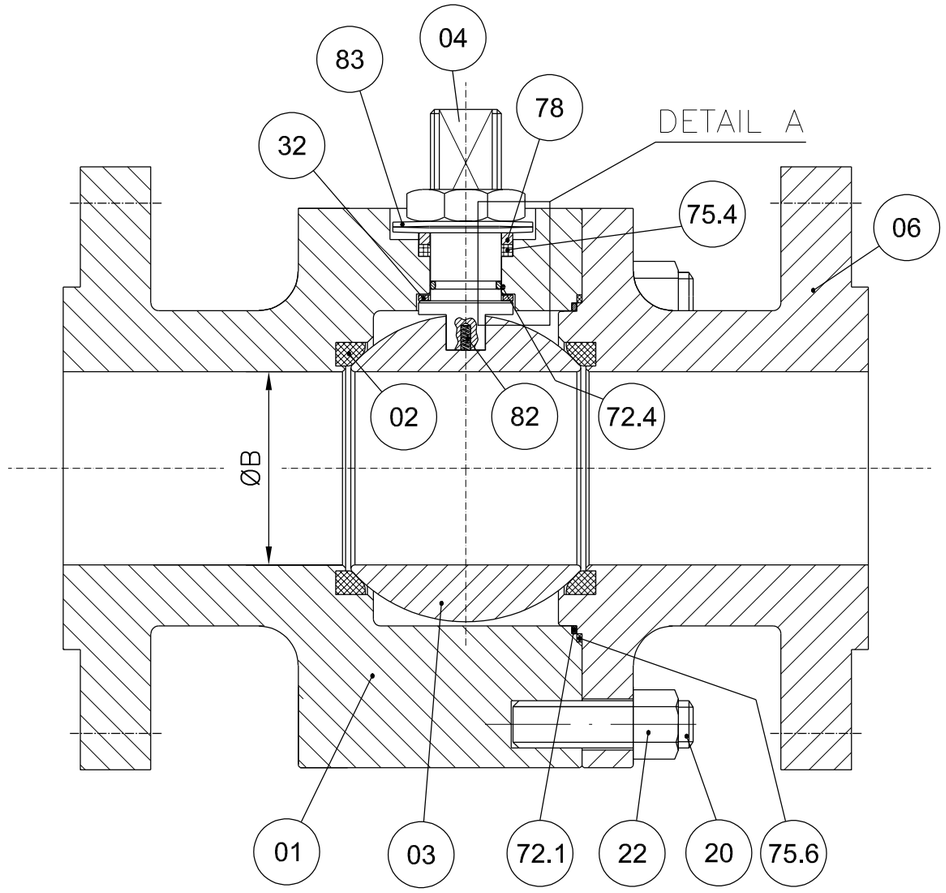
DRAWN: S.Madahar	DATE: 26/02/2024
CHK'D: D.Barcella	DATE: 26/02/2024
APPV'D: L.Mora	DATE: 26/02/2024

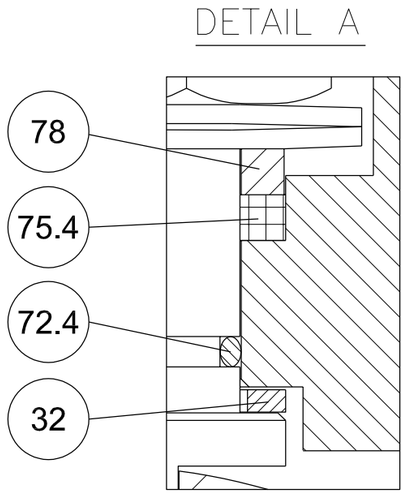
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ALL RIGHTS OF THIS DRAWING ARE RESERVED.

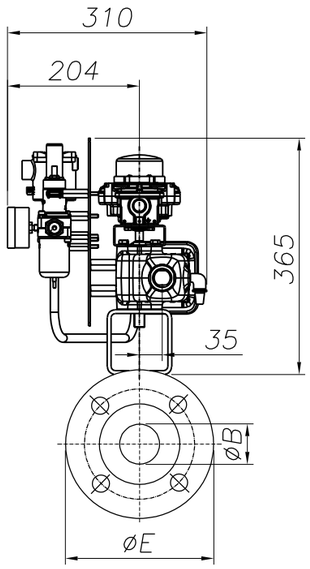
DRAWING NAME: D240062-08

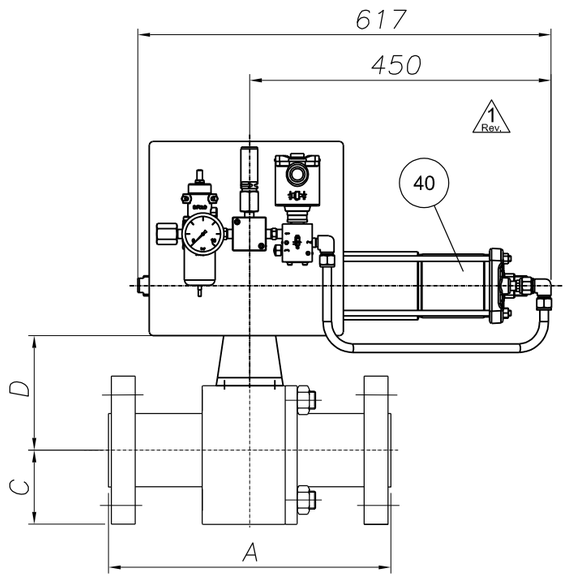
Rev.: 2

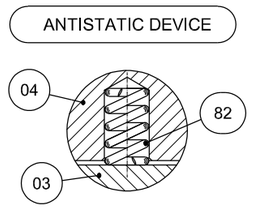




POS.	PART. NAME	MATERIAL
01	BODY	A182 F316/316L
02	SEAT	RPTFE
03	BALL	A182 F316/316L
04	STEM	API 6A CRA UNS N07718
06	CLOSURE	A182 F316/316L
20	STUD	A193 B8M
22	NUT	A194 Gr.8M
32	THRUST BEARING	RPTFE
40	PNEUMATIC ACTUATOR	MFR. STD.
72.1	FLANGE O-RING	VITON GLT/AED
72.4	STEM O-RING	VITON GLT/AED
75.4	STEM GASKET	GRAPHITE
75.6	FLANGE GASKET	GRAPHITE
78	PACKING RING	A479 Tp.316
82	ANTISTATIC DEVICE	INCONEL X750
83	BELLEVILLE WASHER	AISI 301







REMARKS:

- Dimensions are in mm
- Design acc. to API 6D
- Face to face acc. to ASME B16.10/API 6D
- Flange connection acc. to ANSI B16.5
- Antistatic device acc. to API 6D

(*): To Be Confirmed

POS:	ITEM:	DATA SHEET:	TAG:	Q.TY:	SIZE:	CLASS:	ENDS:	A	ØB	C	D(*)	ØE	Valve Weight (kg):	Actuator Weight (kg):	Tot. Weight (kg):
09	90	BS03C01RFH	25-SDV-023	1	1-1/2"	300	RF	190	38	78	146	155	18	36	54

1 Rev.

2 Rev.

CUSTOMER :	ROSETTI MARINO S.p.A.
P.O. N. :	1724000204 123A90A/REV.1
JOB N. :	240062

Rev.	DESCRIPTION	DRAWN	DATE	CHK'D	DATE	APPV'D	DATE
3							
2	ISSUED FOR APPROVAL	S.Madahar	22/04/2024	D.Barcella	22/04/2024	L.Mora	22/04/2024
1	ISSUED FOR APPROVAL	S.Madahar	15/04/2024	D.Barcella	15/04/2024	L.Mora	15/04/2024
0	FIRST ISSUE	S.Madahar	26/02/2024	D.Barcella	26/02/2024	L.Mora	26/02/2024

DRAWING NOT IN SCALE

Fluitek Valves

DRAWN: S.Madahar — DATE: 26/02/2024

CHK'D: D.Barcella — DATE: 26/02/2024

APPV'D: L.Mora — DATE: 26/02/2024

SIZE: A3 | SCALE: N.A.

ALL RIGHTS OF THIS DRAWING ARE RESERVED.

DESCRIPTION:

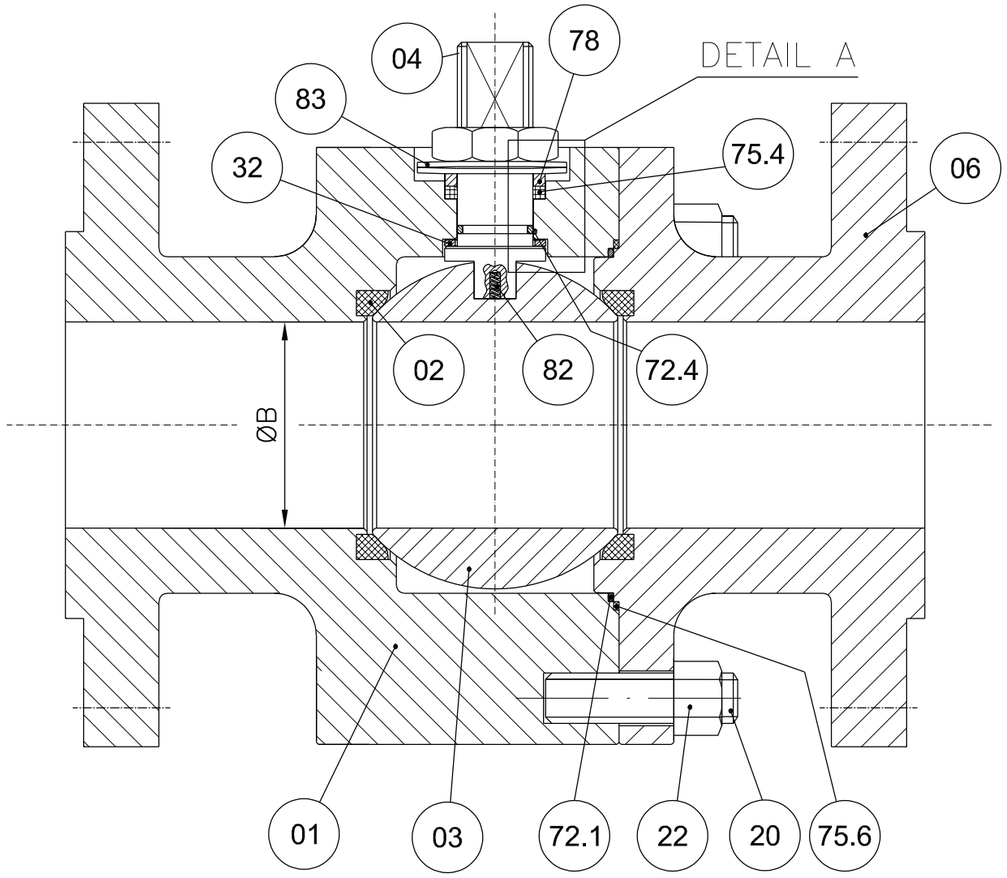
GENERAL ASSEMBLY DRAWING

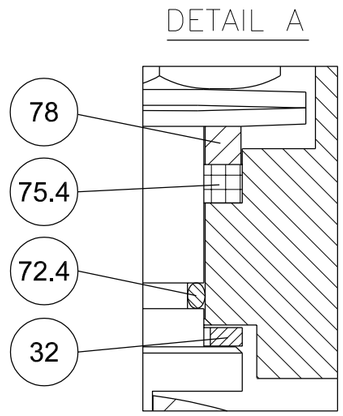
VALVE TYPE:

SPLIT BODY FLOATING BALL VALVE

DRAWING NAME: **D240062-09**

Rev.: 2

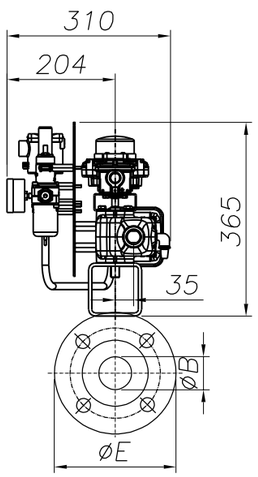


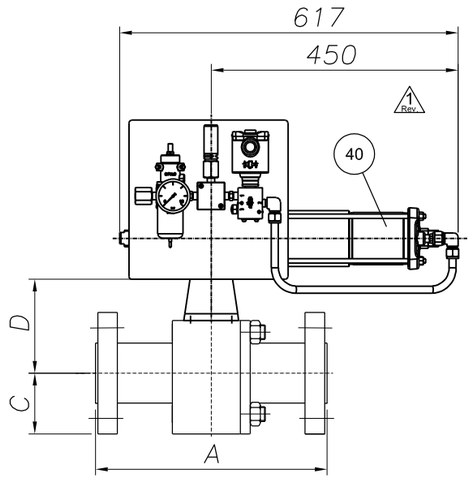


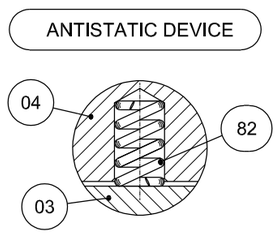
POS.	PART. NAME	MATERIAL
01	BODY	A182 F53
02	SEAT	RPTFE
03	BALL	A182 F53
04	STEM	A182 F53
06	CLOSURE	A182 F53
20	STUD	A193 B7+HDG (1)
22	NUT	A194 Gr.2H+HDG (1)
32	THRUST BEARING	RPTFE
40	PNEUMATIC ACTUATOR	MFR. STD.
72.1	FLANGE O-RING	VITON GLT/AED
72.4	STEM O-RING	VITON GLT/AED
75.4	STEM GASKET	GRAPHITE
75.6	FLANGE GASKET	GRAPHITE
78	PACKING RING	A479 Tp.316
82	ANTISTATIC DEVICE	INCONEL X750
83	BELLEVILLE WASHER	AISI 301

NOTE:

(1) HDG: Hot Dip Galvanised (ASTM A153)







REMARKS:

- Dimensions are in mm
- Design acc. to API 6D
- Face to face acc. to ASME B16.10/API 6D
- Flange connection acc. to ANSI B16.5
- Flange connection acc. to ANSI B16.5
- Antistatic device acc. to API 6D

(*): To Be Confirmed

POS:	ITEM:	DATA SHEET:	TAG:	Q.TY:	SIZE:	CLASS:	ENDS:	A	ØB	C	D(*)	ØE	Valve Weight (kg):	Actuator Weight (kg): (1 Rev.)	Tot. Weight (kg): (1 Rev.)
24	240	BS01F01RF	50-XV-001	1	1-1/2"	150	RF	165	38	64	105	127	18	36	2 Rev. 54
26	260	BS01F01RF	50-XV-003	1	1-1/2"	150	RF	165	38	64	105	127	18	36	2 Rev. 54

CUSTOMER :	ROSETTI MARINO S.p.A.						
P.O. N. :	1724000204 123A90A/REV.1						
JOB N. :	240062						

Rev.	DESCRIPTION	DRAWN	DATE	CHK'D	DATE	APPV'D	DATE
3							
2	ISSUED FOR APPROVAL	S.Madahar	22/04/2024	D.Barcella	22/04/2024	L.Mora	22/04/2024
1	ISSUED FOR APPROVAL	S.Madahar	15/04/2024	D.Barcella	15/04/2024	L.Mora	15/04/2024
0	FIRST ISSUE	S.Madahar	26/02/2024	D.Barcella	26/02/2024	L.Mora	26/02/2024

DRAWING NOT IN SCALE

Fluitek Valves

DRAWN: S.Madahar — DATE: 26/02/2024
CHK'D: D.Barcella — DATE: 26/02/2024
APPV'D: L.Mora — DATE: 26/02/2024

SIZE: A3 — SCALE: N.A.

ALL RIGHTS OF THIS DRAWING ARE RESERVED.

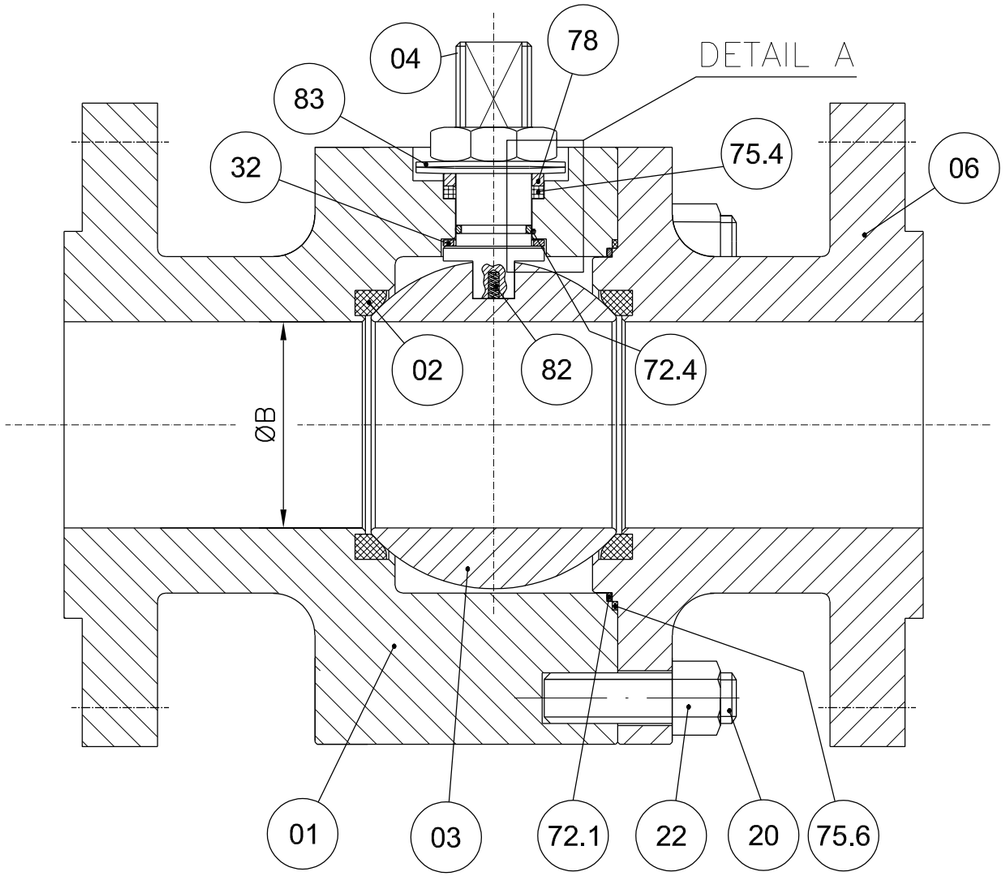
DESCRIPTION: **GENERAL ASSEMBLY DRAWING**

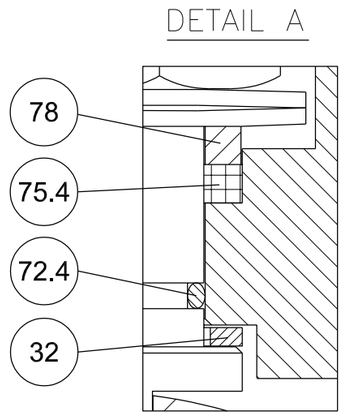
VALVE TYPE:

SPLIT BODY FLOATING BALL VALVE

DRAWING NAME: **D240062-24-26**

Rev.: 2

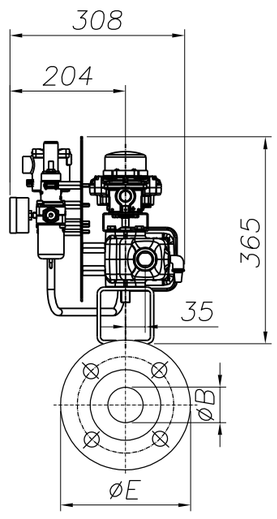


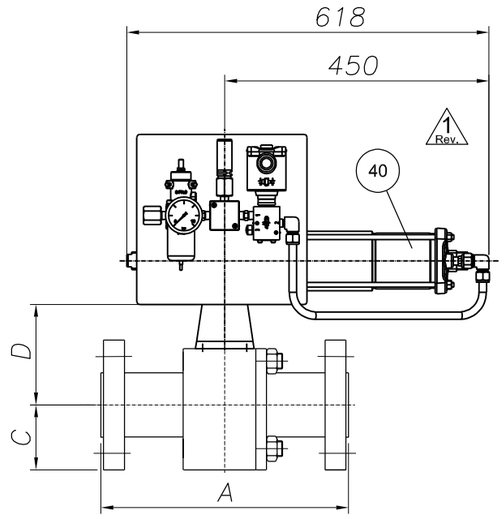


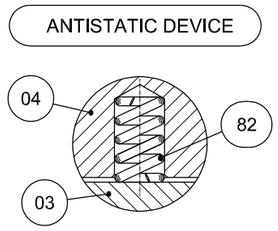
POS.	PART. NAME	MATERIAL
01	BODY	A182 F53
02	SEAT	RPTFE
03	BALL	A182 F53
04	STEM	API 6A CRA UNS N07718
06	CLOSURE	A182 F53
20	STUD	A193 B7+HDG (1)
22	NUT	A194 Gr.2H+HDG (1)
32	THRUST BEARING	RPTFE
40	PNEUMATIC ACTUATOR	MFR. STD.
72.1	FLANGE O-RING	VITON GLT/AED
72.4	STEM O-RING	VITON GLT/AED
75.4	STEM GASKET	GRAPHITE
75.6	FLANGE GASKET	GRAPHITE
78	PACKING RING	A479 Tp.316
82	ANTISTATIC DEVICE	INCONEL X750
83	BELLEVILLE WASHER	AISI 301

NOTE:

(1) HDG: Hot Dip Galvanised (ASTM A153)







REMARKS:

- Dimensions are in mm
- Design acc. to API 6D
- Face to face acc. to ASME B16.10/API 6D
- Flange connection acc. to ANSI B16.5
- Antistatic device acc. to API 6D

(*): To Be Confirmed

POS:	ITEM:	DATA SHEET:	TAG:	Q.TY:	SIZE:	CLASS:	ENDS:	A	ØB	C	D(*)	ØE	Valve Weight (kg):	Actuator Weight (kg):	Total Weight (kg):
25	250	BS01F01RF	50-XV-002	1	1"	150	RF	127	25	54	95	108	6	34	40
27	270	BS01F01RF	50-XV-004	1	1"	150	RF	127	25	54	95	108	6	34	40

1 Rev.

2 Rev.

CUSTOMER :	ROSETTI MARINO S.p.A.						
P.O. N. :	1724000204 123A90A/REV.1						
JOB N. :	240062						

Rev.	DESCRIPTION	DRAWN	DATE	CHK'D	DATE	APPV'D	DATE
3							
2	ISSUED FOR APPROVAL	S.Madahar	22/04/2024	D.Barcella	22/04/2024	L.Mora	22/04/2024
1	ISSUED FOR APPROVAL	S.Madahar	15/04/2024	D.Barcella	15/04/2024	L.Mora	15/04/2024
0	FIRST ISSUE	S.Madahar	26/02/2024	D.Barcella	26/02/2024	L.Mora	26/02/2024

DRAWING NOT IN SCALE

Fluitek Valves

DESCRIPTION: GENERAL ASSEMBLY DRAWING

VALVE TYPE: SPLIT BODY FLOATING BALL VALVE

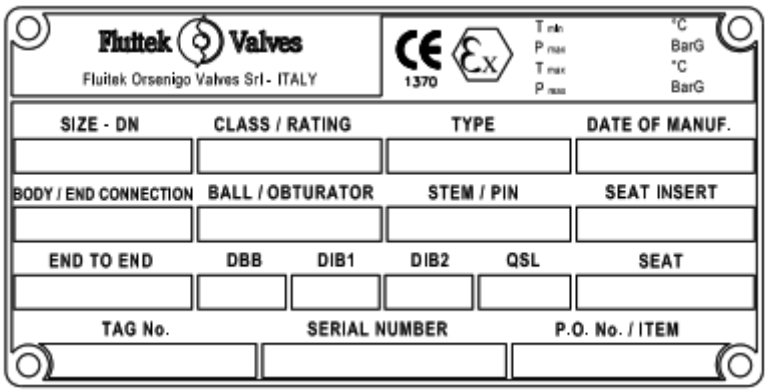
DRAWN: S.Madahar	DATE: 26/02/2024	
CHK'D: D.Barcella	DATE: 26/02/2024	
APPV'D: L.Mora	DATE: 26/02/2024	
SIZE: A3	SCALE: N.A.	ALL RIGHTS OF THIS DRAWING ARE RESERVED.

DRAWING NAME: D240062-25-27

Rev.: 2

Fluitek Valves	NAMEPLATE FORMAT DRAWING 240062	Sheet 1 of 1 Rev. 01

NAMEPLATE VALVES DRAWING



NAMEPLATE DIMENSION: 100mm x 50mm
70mm x 30mm
47mm x 25mm
36mm x 25mm
32mm x 25mm
based on size of the valve.

NAMEPLATE MATERIAL: 316 Stainless Steel

FLUITEK ORSENIGO VALVES S.r.l.

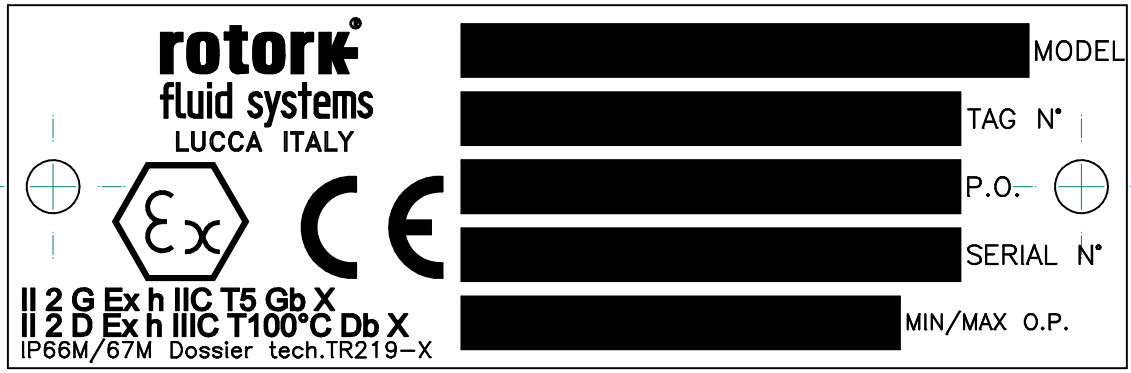
Documento Distribuito ed autenticato in forma elettronica
Document distributed and certified through electronic system

Rev.	Date	Modifications	Issued	Verified	Approved
01	06/2024	First issued	L. Mora	L. Patelli	F. Buttironi
00	02/2024	First issued	C. Festa	P. Bellini	C. Zini

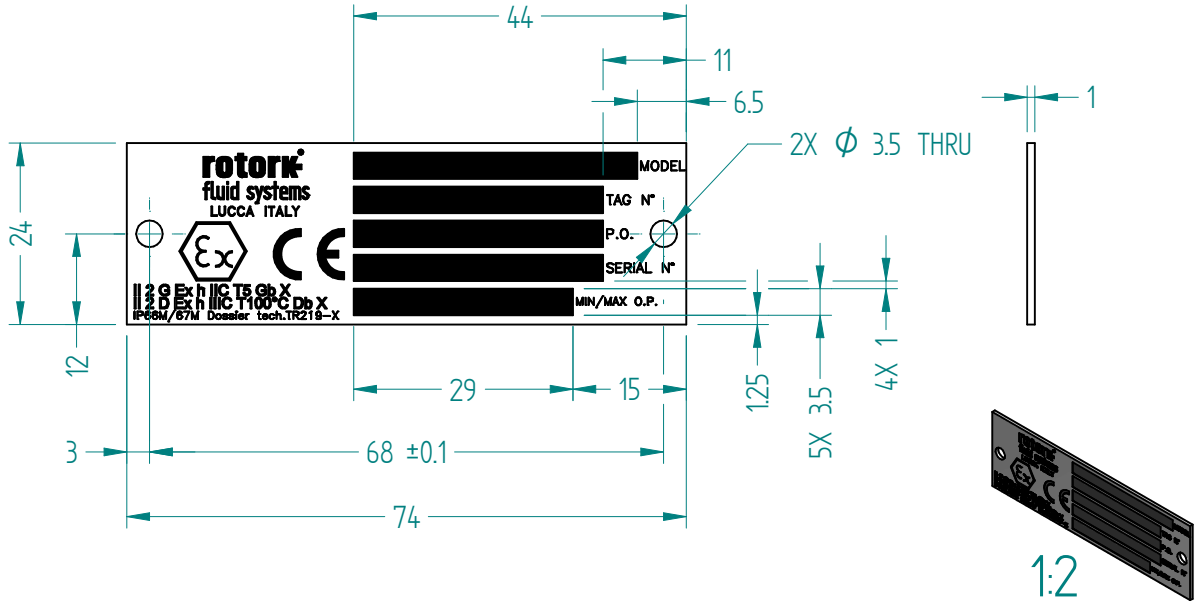
Rev	ECN	Revised	Rev. Approved	Date	Change Description
1-0	ECO-0022721	A. NICOLINI	M.Romiti	2024-02-05	AGGIORNATA MARCATURA E GRAFICA; UPDATED MARKING AND GRAPHICS

NOTES:
1. POLISHED STEEL : SCREEN-PRINTED BLACK TEXT 0.05mm HIGH
2. MAINTAIN THE TEXT DIMENSIONS ACCORDING TO THE PROPORTION OF SCALE

NOTA :
1. FONDO LUCIDO CON SCRITTE SERIGRAFATE IN NERO 0.05 mm
2. RISPETTARE LE DIMENSIONI DELLE SCRITTE SECONDO LE PROPORZIONI DELLA SCALA



SCALE 2:1



1:2

UNLESS OTHERWISE STATED									
	Linear				Radii/Chamfers		Angles	
General tolerances to ISO 2768-m	0.5 - 6	± 0.1	(400) - 1000	± 0.8	0.5 - 3	± 0.2	upto 10	± 1°
Remove all burrs and sharp edges	(6) - 30	± 0.2	(1000) - 2000	± 1.2	(3) - 6	± 0.5	(10) - 50	± 0°30'
	(30) - 120	± 0.3	(2000) - 4000	± 2	Over 6	± 1	(50) - 120	± 0°20'
	(120) - 400	± 0.5						

Material: AISI 316

Treatment: -

rotork Fluid Systems
Lucca - Italy
www.rotork.com

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Document type: Detail Drawing

Dimensions in mm

Scale 1:1

Created	A. NICOLINI	2004-04-20
Checked	P.P. PARADISO	2004-04-20
Approved	P.P. PARADISO	2004-04-20

Title: TARGHETTA CARAT. ATT. CP -ATEX -ENG

Drawing Number: TG21750E

Rev: 1-0

Nominal Mass 0,01 kg | Size A4 | Sheet 1 of 1

Template Issue : 2019-05-10