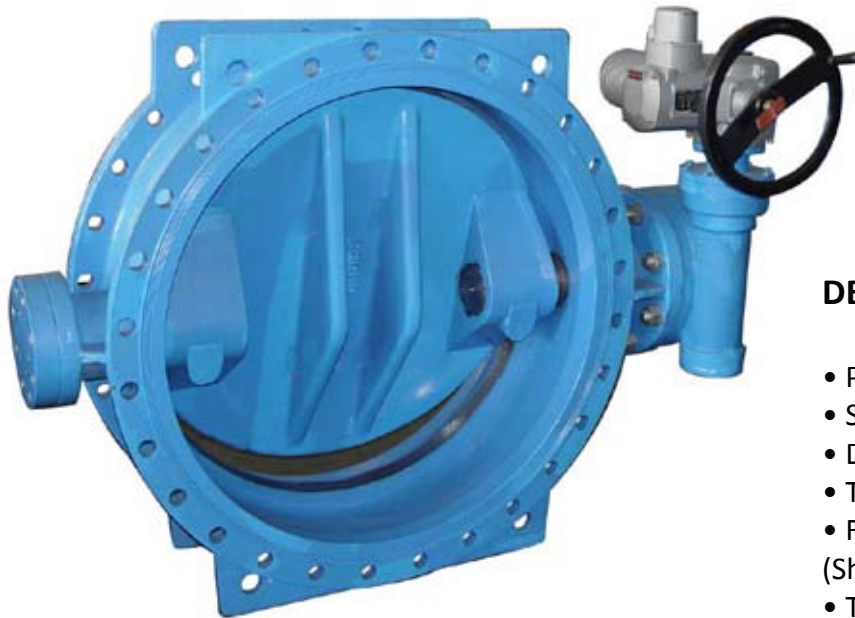


## DOUBLE ECCENTRIC RESILIENT SEATED BUTTERFLY VALVE (FAF 3800)



### DESIGN STANDARDS

- Pressure: PN10 OR PN16
- Size Range: From DN150 to DN1200
- Design Standard: BS EN 593
- Top Flange Standard: ISO 5211
- Face-to-face Dimension: EN 558-1 Series 13 (Short) or EN 558-1 Series 14 (Long)
- Test Standard: DIN3230
- Epoxy Resin Coating: RAL-GZ662
- Flange Standards: DIN2501 or EN1092.2

### GENERAL FEATURES AND ADVANTAGES

- Body seat of absolutely corrosion proof and SS 304 welded type.
- Inside & Outside electrostatic epoxy resin powder coating with minimum thickness of 300 mm.
- Body & Disc made of ductile iron which promote the impact resistance & pressure bearing capacity.
- Valve can be actuated by operating lever, hand-wheel, electric & pneumatic actuator.

### APPLICATIONS

Potable water supply and distribution, electric power plant, gas supply, warm-air system, smelting plant, chemical industry.

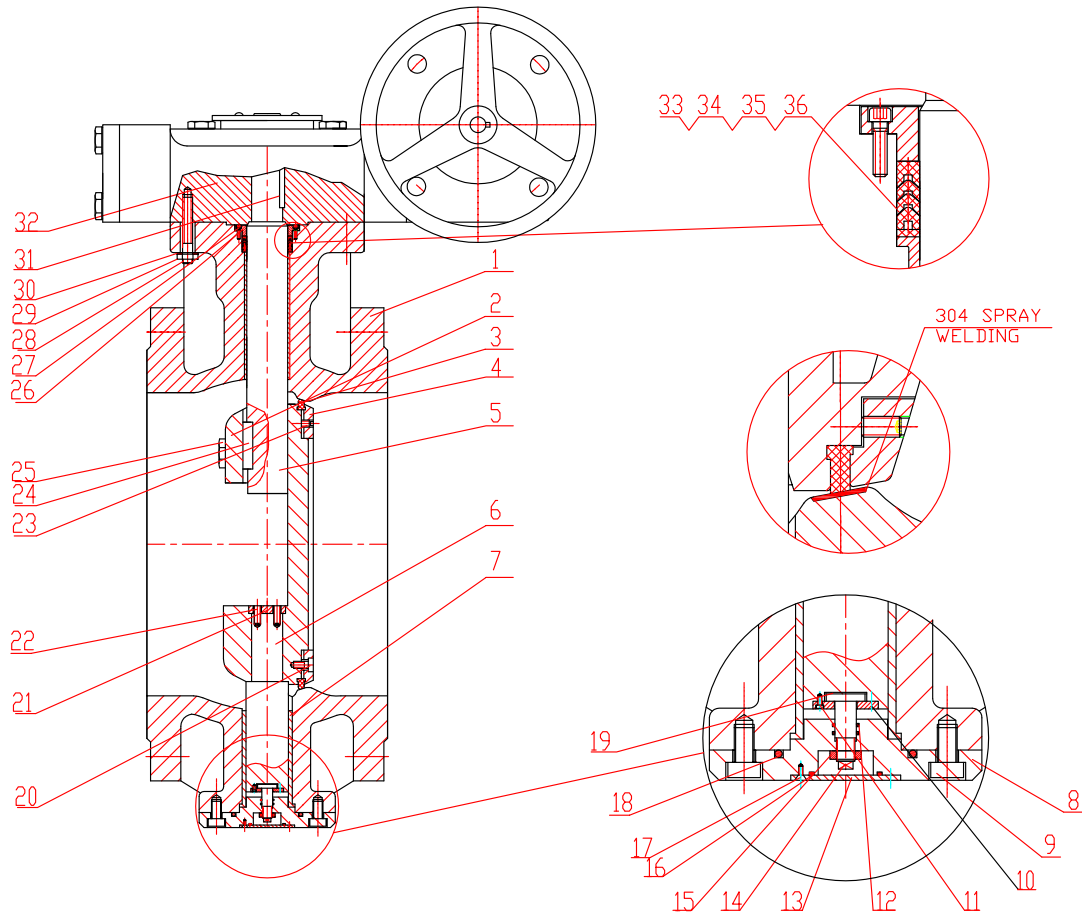
### TEMPERATURE

NBR ≤ 80°C

EPDM ≤ 120°C

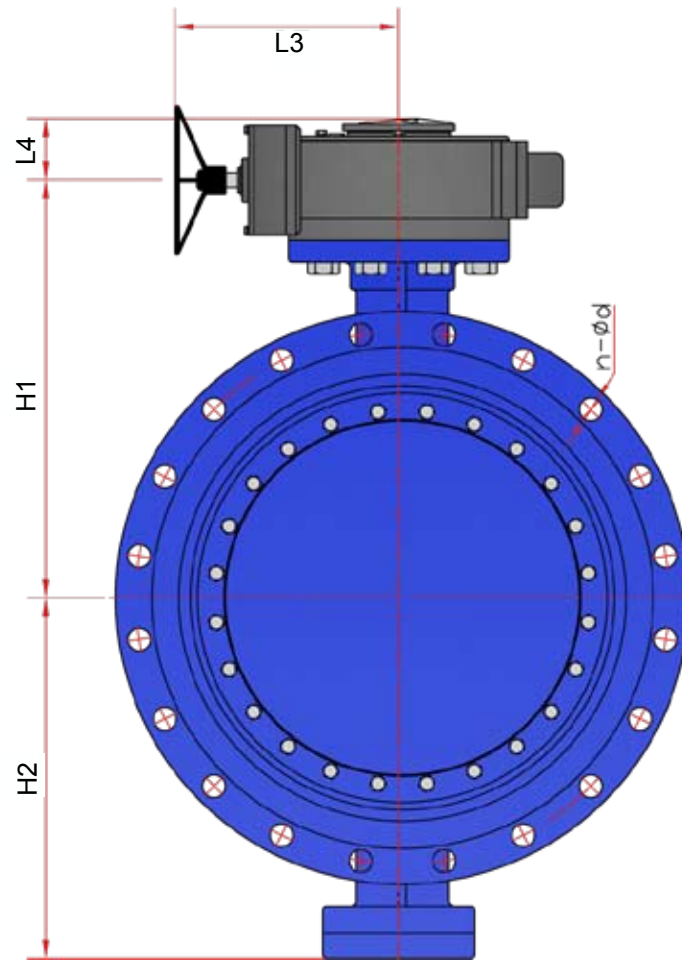
## DOUBLE ECCENTRIC RESILIENT SEATED BUTTERFLY VALVE (FAF 3800)

### PARTS AND MATERIALS



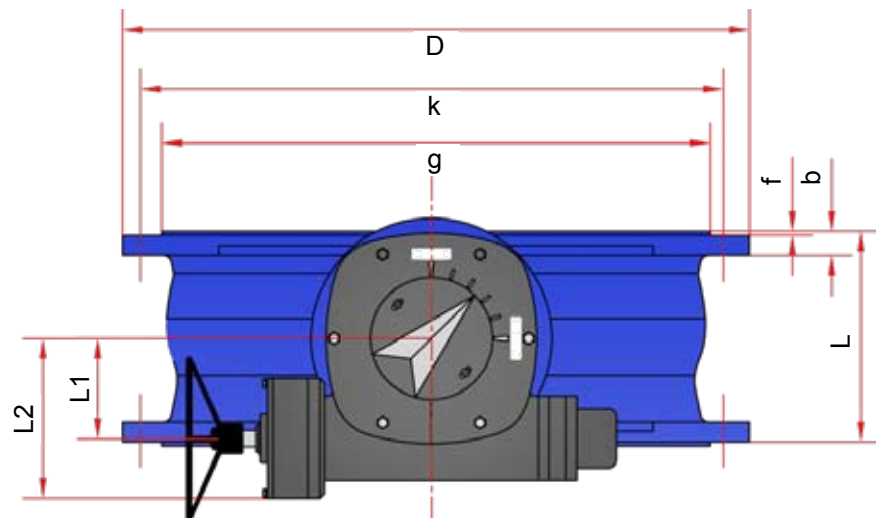
No.	Description	Material	No.	Description	Material	No.	Description	Material
1	Body	EN-GJS-500-7	13	Plate	ST-42	25	Fixing Pin	AISI 431
2	Disc	EN-GJS-500-7	14	Nut	SAE-304	26	Pressed Plate	ST-42
3	Sealing Ring	EPDM	15	Adjustable Bolt	SAE-304	27	Bolts	SAE-304
4	Pressed Ring	EN-GJS-500-7	16	O Ring	NBR	28	Bolts	SAE-304
5	Down Stem	AISI431 - S29	17	Bolts	SAE-304	29	Nuts	SAE-304
6	Up Stem	AISI431 - S29	18	O Ring	NBR	30	Flat Washer	SAE-304
7	Bushing	MS 58	19	Spring Washer	CK 85	31	Pin	C 45
8	Pressed Plate	EN-GJS-500-7	20	Bolts	SAE-304	32	Gear Box	-
9	Bolts	SAE-304	21	Up Fixing Plate	ST-42	33	Sealing Part	NBR
10	Fixing Plate	C 35	22	Bolts	SAE-304	34	Sealing Part	NBR
11	Bolts	SAE-304	23	Bolts	SAE-304	35	Sealing Part	NBR
12	O Ring	NBR	24	Pin	C 45	36	Sealing Washer	NBR

## DIMENSIONS AND PRODUCT DATA



### TORQUE VALUES

Size	Torque (N.M.)
DN150	500
DN200	800
DN250	1000
DN300	2000
DN350	2000
DN400	4000
DN450	4000
DN500	8000
DN600	8000
DN700	8000
DN800	16000
DN900	32000
DN1000	32000
DN1200	32000



Note: Dimension table is on the last page.

## DOUBLE ECCENTRIC RESILIENT SEATED BUTTERFLY VALVE (FAF 3800)

### DIMENSION TABLE

DN	H1	H2	L1	L2	L3	L4	D	k	g	f	b	n-Ød	L		Topper flanges to ISO5211	Weight kg
150	186	165	50	91.5	205	49	285	240	211	3	19	8-Ø23	140	210	F10	36.00
200	215	192	50	91.5	210	49	340	295	266	3	20	12-Ø23	152	230	F10	52.50
250	253	227	63	94.5	215	45	405	355	319	3	22	12-Ø28	165	250	F12	76.00
300	282	260	90	125	320	60	460	410	370	4	24.50	12-Ø28	178	270	F14	109.00
350	320	314	90	125	320	60	520	470	429	4	26.50	16-Ø28	190	290	F14	165.00
400	353	346	122.5	177	260	84	580	525	480	4	28	16-Ø31	216	310	F16	203.00
450	385	385	122.5	177	260	84	640	585	549	4	30	20-Ø31	222	330	F16	296.00
500	424	422	124.5	177	440	84	715	650	609	4	31.5	20-Ø34	229	350	F25	361.50
600	568	490	124.5	177	440	84	840	770	720	5	36	20-Ø37	267	390	F25	532.00
700	632	550	124.5	177	440	84	910	840	794	5	39.5	24-Ø37	292	430	F25	685.00
800	692	615	174	226.5	500	87	1025	950	901	5	43	24-Ø40	318	470	F25	979.00
900	815	678	200	310	610	120	1125	1050	1001	5	46.5	28-Ø40	330	510	F35	1335.50
1000	880	743	200	310	610	120	1255	1170	1112	5	50	28-Ø43	410	550	F35	1656.50
1200	1029	860	200	365	616	150	1458	1390	1328	5	57	32-Ø49	470	630	F35	2240.00

Follow the instructions below to perform maintenance and cleaning of **Double Eccentric Resilient Seated Butterfly Valve (FAF 3800)**.

### DISMOUNTING

- Make sure that the line which the valve has been installed is closed.
- Disconnect the bolts and nuts standing at the flanges of the valve.
- Unstitch the bolts (28), nuts (29) and flat washers (30) which connects the gearbox(32) to the body(1), take out the pin (31) and remove the gearbox from the valve.
- Unstich the bolts (27) standing at the top flange and remove the pressed plate.(26)
- Unstich the bolts (20-23) standing on the disc.
- Remove the pressed ring. (4)
- Remove the fixing pin. (25)
- Unstich the bolts mutually and remove the cover from the body.
- Remove the o-ring(16) and adjustable bolt(15).
- Unstich the bolts (9) standing on the pressed plate(8) and remove the pressed plate from the body.
- Remove the o-rings (18-12) standing on the pressed plate.
- Unstich the bolts(11) standing on the fixing plate(10) and take out the fixing plate and plate(14).
- Unstich the bolts (22) on the up fixing plate(21) and remove the up fixing plate(21).
- Using a plastic or aluminium tool, remove the up stem (6) by hitting it gently from the body side.
- Remove the down stem(5) by pulling out of the body.
- Take out the sealing parts ( 33-34-35-36) from inside the body.
- Remove the disc(2) from the body.
- Remove the sealing ring(3) from the disc.

### INSPECTION AND CLEANING

- If there is any tear or cut on the sealing ring, require new from us.
- If you observe dregs on the surface of the touching space in between sealing ring(3) and body clean them by using sandpaper (grade 400).
- You may clean the other parts of the valves using the sandpaper (grade 400)
- If you observe deformations on sealing ring require one from us.
- Change the o-rings with the new ones.

### MOUNTING

- Place the sealing ring into the canal in the disc.
- Put the disc into the body and adjust the position to the center by checking the up and down stem holes.
- Squeeze the pressed ring (4) by means of the bolts on the disc.
- Put the down stem(5) to the body and place the pin to its place on the down stem, place it to the center of the disc. Fix the group of the down stem, pin and disc by means of bolts.
- Put the up stem through the body into the disc and adjust the positioning according the the holes of the pin.
- Put the fixing plate (10) to its place on the disc.
- Adjust the up stem and fixing plate according to the holes and squeeze it by means of bolts.
- Place the fixing plate from over the adjustable bolt.
- Adjust the fixing plate and the up stem to match their holes and tighten them with the bolts.
- Place the cover with its renewed O-Ring to the body and tighten the bolts.
- Place the nut of the plate and tighten it.
- With a wrench, make the adjustment of centering the body and sealing ring on the square area of the plate.
- Place the cover of this area as well and tighten the nuts.
- Place the sealing parts (33-34-35-36) to the body.
- Adjust the pressed plate's and the body's holes by centering and tighten them with the nut.
- Place the pin to its field on the up-stem, and place the gear box by centering it with the pin.
- With placing and tightening the bolt, washer and nut of the gear box, finish up the mounting.