

WAFER SWING CHECK VALVE (FAF 2300 - 2330)



PRODUCT FEATURES

FAF 2300

- Body, Stainless Steel 304
- Disc, Stainless Steel 316
- O-Rings: VITON
- Easy to install with eye screw

FAF 2330

- Body, WCB (Weldable Cast Steel Grade B)
- Disc, Stainless Steel 316
- O-Rings: EPDM.
- Easy to install with eye screw.

APPLICATIONS

Hot and cold water systems and industrial applications.

OPERATING TEMPERATURE

FAF 2300

170°C 338°F for VITON O-Ring

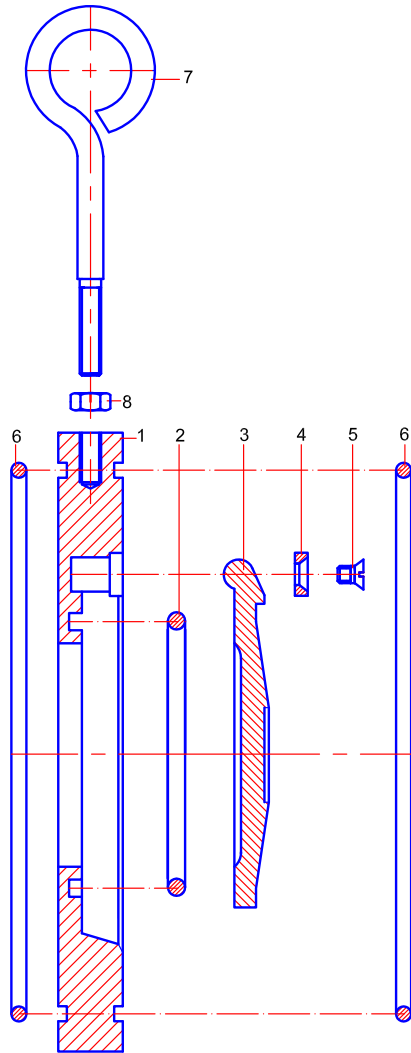
FAF 2330

130°C 266°F for EPDM O-Ring



WAFFER SWING CHECK VALVE (FAF 2300 - 2330)

TECHNICAL DRAWING AND MATERIALS



PARTS and MATERIALS

FAF 2300

1. Body / Stainless Steel 304
2. O-Ring / VITON
3. Disc / Stainless Steel 316
4. Ring / Stainless Steel 304
5. SS Bolt / DIN 7991-A2
6. O-Ring / VITON
7. Eye screw / Steel

FAF 2330

1. Body / Stainless Steel WCB
2. O-Ring / EPDM
3. Disc / Stainless Steel 304
4. Ring / Stainless Steel 304
5. SS Bolt / DIN 7991-A2
6. O-Ring / EPDM
7. Eye screw / Steel

MATERIAL PROPERTIES

MATERIAL TYPE	MATERIAL PROPERTY
GG 25 Cast Iron	Tensile Strength = 250-350 N/mm ² Hardness=Max. 250 Brinell (BHN)
GGG 40 Ductile Iron	Tensile Strength = 400-550 N/mm ² Hardness=135 - 185 Brinell (BHN)
Stainless Steel DIN 1-4086	C=0.9 - 1.3 Si Max.= 2 Mn Max.=1 Cr=27 - 30
Stainless Steel SAE-304	C max=0.08 Si Max.=1 Mn Max.=2 Cr=18-20 Ni=8-10.5
Stainless Steel SAE-316	C max=0.08 Si Max.=1 Mn Max.=2 Cr=16-18 Ni=10-14
PTFE	Density=2.13-2.23 gr/cm ³ Tensile strength=250-300 kg/cm ² Operating Temperature = -85°C / +200°C 392°F
PTFE (25% Carbon)	Density=2.1-2.2 gr/cm ³ Tensile strength=165-170 kg/cm ²
Graphitic Ring	Graphite Purity=98% Density=Min. 1.6 gr/cm ³
St 37	C = <= 0.2 P Max.=0.06 S Max.=0.05 Tensile Strength=360-440 N/mm ²
St 50	C=0.30 P Max.=0.06 S Max.0.06 Tensile strength=490 N/mm ²

BOLT DIMENSIONS

DN	BOLT		NUT QUANTITY	TIGHTENING TORQUE (Kgm)	WRENCH OPENING (mm)
	DIMENSIONS	QUANTITY			
40	M 16 x 65	4	4 x 1	16	24
50	M 16 x 70	4	4 x 1	16	24
65	M 16 x 70	4	4 x 1	16	24
80	M 16 x 75	8	8 x 1	16	24
100	M 16 x 80	8	8 x 1	16	24
125	M 16 x 80	8	8 x 1	16	24
150	M 20 x 85	8	8 x 1	22.5	30
200	M 20 x 90	12	12 x 1	22.5	30
250	M 24 x 100	12	12 x 1	38	36

Note: Dimensions according to standard flanges

WAFER SWING CHECK VALVE MAINTENANCE INSTRUCTIONS

Follow the instructions below to perform maintenance and cleaning of FAF Wafer Swing Check Valves.

DISMOUNTING:

- Make sure that there is no fluid supply on the line where the check valve is detached.
- Unscrew the connection nuts in opposite pairs and remove the bolts. Holding the eye screw, detach the check valve from the line.
- Remove the o-rings (6) on the check valve. Utilize a screw driver to remove stainless steel bolts (5) and remove the rings (4), disc (3) and O-ring (2), respectively.

INSPECTION AND CLEANING:

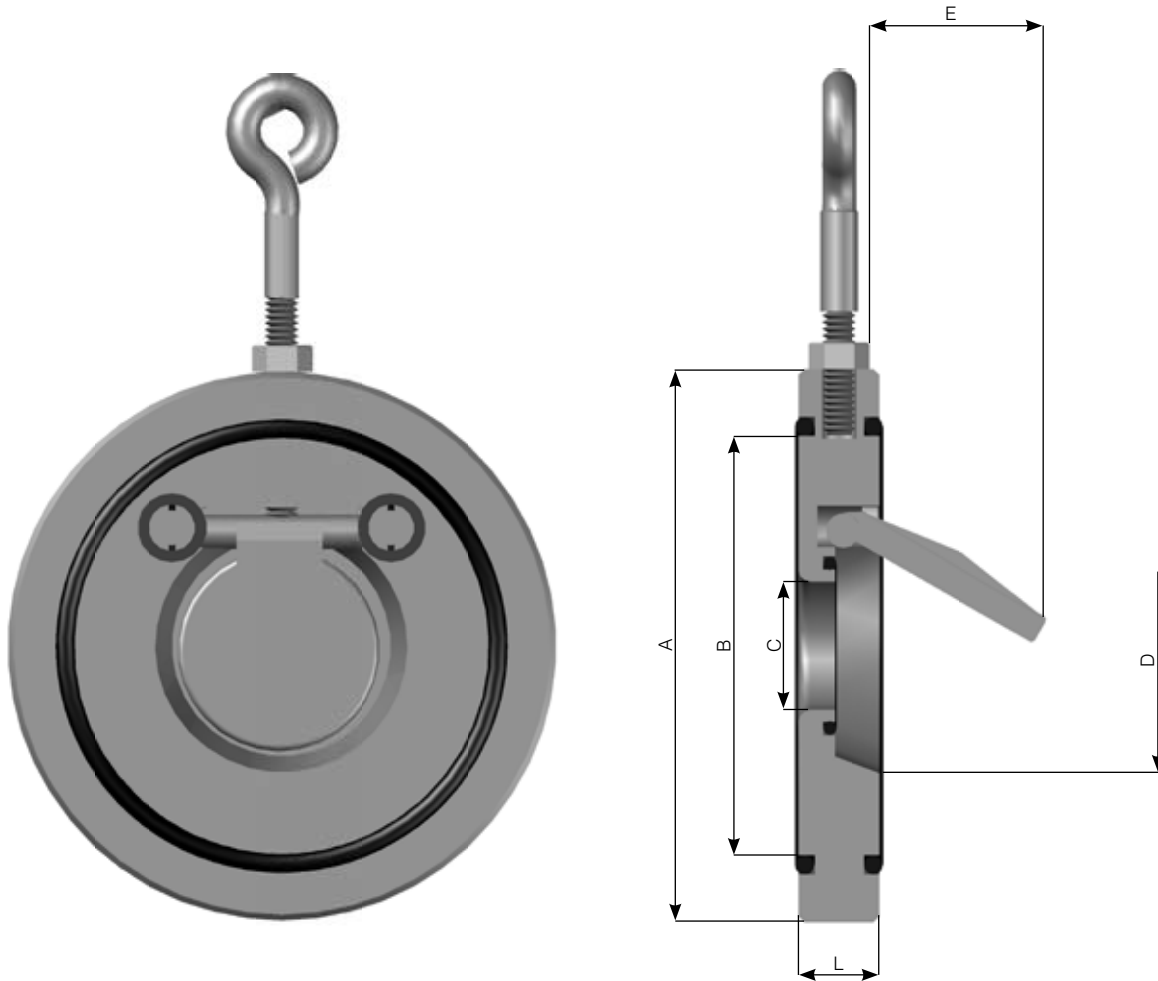
- Replace the disc, if excessive scratches and nicks noted. If lime stains and residue observed on the surface of the disc, clean the disc in water with wet sandpaper (400).
- Replace O-rings.
- Inspect bolt threads and replace damaged ones.
- Inspect the bolts and studs on the line, replace damaged and rusty ones.
- Clean all items prudently and proceed to mounting.

MOUNTING:

- Place the O-rings (2), the disc (3), the ring (4) and the bolt (5) on the body respectively, and use a screw driver to tighten the bolts.
- Place the O-rings (6) on the body to finish the mounting of the valve. Holding the eye screw of the check valve, center the valve prudently on the line. Eliminate the gaps, tightening the bolts and nuts in opposite pairs.

WAFER SWING CHECK VALVE (FAF 2300-2330)

DIMENSIONS AND PRODUCT DATA



FAF 2330 WAFER SWING CHECK VALVE

DN Ømm	A	B	C	D	E	L	Weight Kg
25	71	52	11	29	18	14	0.39
32	81	63	17	36	23	14	0.5
40	93	71	21	44	27	14	0.64
50	109	92	32	60	38	14	0.86
65	129	102	40	72	48	14	1.19
80	144	123	52	88	58	14	1.53
100	164	140	70	104	77	18	2.23
125	194	164	92	128	98	18	3.14
150	220	193	110	155	114	20	3.95
200	175	245	163	206	140	22	6.35
250	330	302	193	240	188	26	11.28
300	380	344	234	288	225	28	16.43
350	440	387	270	330	275	35	24.35
400	490	437	305	370	305	40	33.6