



FLANGED END GATE VALVE

MODEL NO:FKF-GVRPFEZ45B

TECHNICAL SPECIFICATIONS

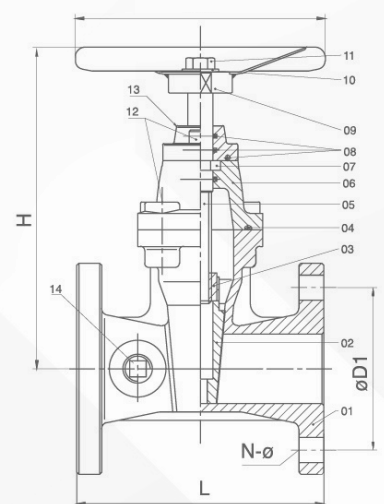
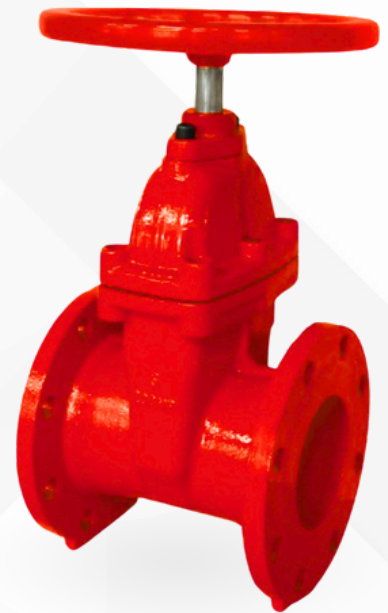
- 1.Design Standard AWWA C515
2. Norminal Pressure 200PSI
- 3.Flange Standard ANSI B16.1 Class125 or according to the customer's requirements
4. Both inside and outside of the body need Epoxy Resin Coating

TECHNICAL FEATURES

SIZE CHART

SIZE ITEM	2-1/2"	3"	4"	5"	6"	8"	10"	12"
L	190	203	229	254	267	292	330	356
H	255	289	323	386	420	520	628	725
øD1	139.5	152.5	190.5	216	241.5	298.5	362	432
N-ø	4-19	4-19	8-19	8-22	8-22	8-22	12-25	12-25
øA	220	250	280	300	350	380	450	450

MODEL NO	NAME	QTY.	MATERIAL	REMARK
01	BODY	1	DI	ASTM A536 65-45-12
02	DISC	1	DI+EPDM	ASTM A536 65-45-12
03	NUT	1	CAST BRONZE	ASTM B62
04	GASKET	1	EPDM	NBR
05	STEM	1	STAINLESS STEEL	SS420
06	CAP	1	DI	ASTM A536 65-45-12
07	RETAINER RING	1	CAST BRONZE	ASTM B62
08	O-RING	2	EDPM	NBR
09	HANDWHEEL	1	STEEL	ANSI1045
10	FLAT GASKET	1	STEEL	
11	BOLT	1	STEEL	
12	COUNTERSUNK HEAD BOLT	N	STEEL	
13	PLATER	1	DI	ASTM A536 65-45-12
14	PLUG	2	CAST BRONZE	ASTM B62



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OS&Y TYPE FLANGED END GATE VALVE

MODEL NO:-FKF-GVFEZ41

TECHNICAL SPECIFICATIONS

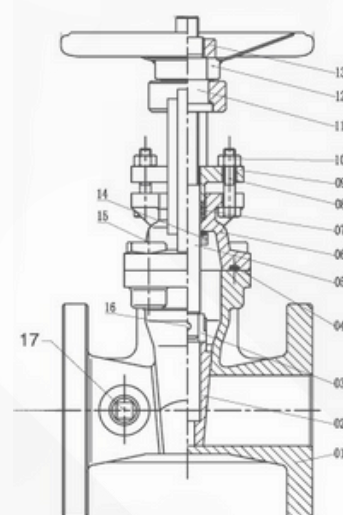
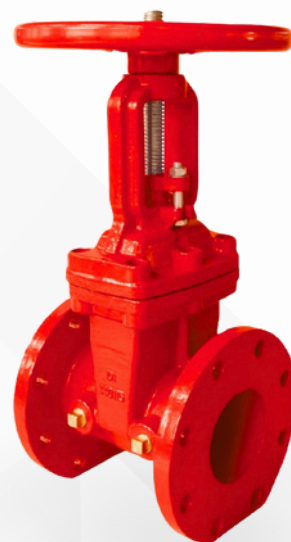
- 1.Design Standard AWWA C515
2. Norminal Pressure 200PSI
- 3.Flange Standard ANSI B16.1 Class125 or according to the customer's requirements
4. Both inside and outside of the body need Epoxy Resin Coating

TECHNICAL FEATURES

SIZE CHART

SIZE ITEM	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"
L	178	190	203	229	254	267	292	330	356
H	280	310	370	428	532	590	735	908	1150
øA	180	220	250	280	300	350	380	450	450

NO.	NAME	QTY.	MATERIAL	REMARK
01	BODY	1	DI	ASTM A536 65-45-12
02	DISC	1	DI+EPDM	ASTM A536 65-45-12 + EPDM
03	CONNECTING PART	1	C95400	ASTM B148
04	SEALING PAD	1	EPDM	ASTM D2000 EPDM
05	STEM	1	S.S.304	ASTM A276
06	CAP	1	DI	AST A536 65-45-12
07	SEALING KITS	3	PTFE	ASTM D4745
08	BOLT	2	STEEL	
09	PLATEN	1	DI	ASTM A536 65-45-12
10	NUT	2	STEEL	
11	ROTATING NUT	1	C95400	ASTM B148
12	HANDWHEEL	1	STEEL	ANSI 1045
13	LOCK NUT	1	STEEL	ANSI 1045
14	FLAT KEY	1	S.S.416	
15	COUNTERSUNK HEAD BOLT	4	STEEL	
16	CYLINDER PIN	1	STEEL	
17	PLUG	2	CAST BRONZE	ASTM B62



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NRS FLANGED GROOVED END GATE VALVE

MODEL NO:-FKF-GVFGEZ481

TECHNICAL SPECIFICATIONS

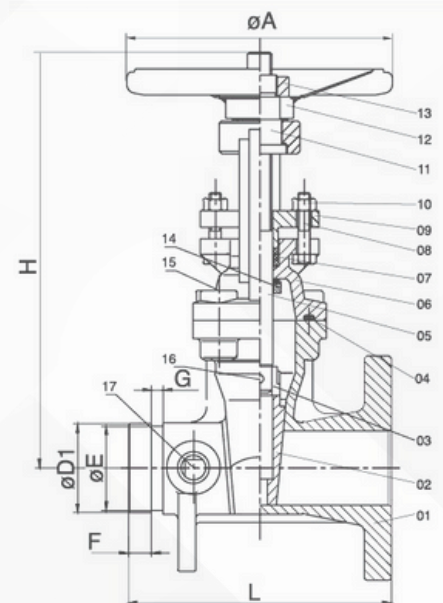
1. Design Standard: AWWA C515
2. Nominal Pressure: 200PSI
3. Flange Standard: ANSI B16.1 Class 125 or according to the customer's requirements
4. Groove Standard: Metric or AWWA C606
5. Both inside and outside of the body need Epoxy Resin Coating

TECHNICAL FEATURES

SIZE CHART

SIZE ITEM	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"
L	178	190	203	229	254	267	292	330	356
H	280	310	370	428	532	590	735	908	1150
øA	180	220	250	280	300	350	380	450	450
øD1	60.3	76.1	88.9	114.3	141.3	168.3	219.1	273	323.9
øE	57.2	72.3	84.9	110.1	137	163.9	214.4	268.3	318.3
F	15.9	15.9	15.9	15.9	15.9	15.9	19	19	19
G	7.9	7.9	7.9	9.5	9.5	9.5	11.1	12.7	12.7

NO.	NAME	QTY.	MATERIAL	REMARK
01	BODY	1	DI	ASTM A536 65-45-12
02	DISC	1	DI+EPDM	ASTM A536 65-45-12 + EPDM
03	CONNECTING PART	1	C95400	ASTM B148
04	SEALING PAD	1	EPDM	ASTM D2000 EPDM
05	STEM	1	S.S.304	ASTM A276
06	CAP	1	DI	AST A536 65-45-12
07	SEALING KITS	3	PTFE	ASTM D4745
08	BOLT	2	STEEL	
09	PLATEN	1	DI	ASTM A536 65-45-12
10	NUT	2	STEEL	ASTM A307 B
11	ROTATING NUT	1	CAST BRONZE	ASTM B62
12	HANDWHEEL	1	STEEL	ANSI 1045
13	LOCK NUT	1	STEEL	ANSI 1045
14	FLAT KEY	1	STEEL	
15	COUNTERSUNK HEAD BOLT	4	STEEL	
16	CYLINDER PIN	1	STEEL	
17	PLUG	2	CAST BRONZE	ASTM B62



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NRS FLANGED END GATE VALVE

MODEL NO:-FKF-GVFEZ300-485

TECHNICAL SPECIFICATIONS

1. Design Standard: AWWA C515
2. Nominal Pressure: 300PSI
3. Flange Standard: ANSI B16.1 Class 125 or according to the customer's requirements
4. Both inside and outside of the body need Epoxy Resin Coating
5. It could also be operated by the handwheel

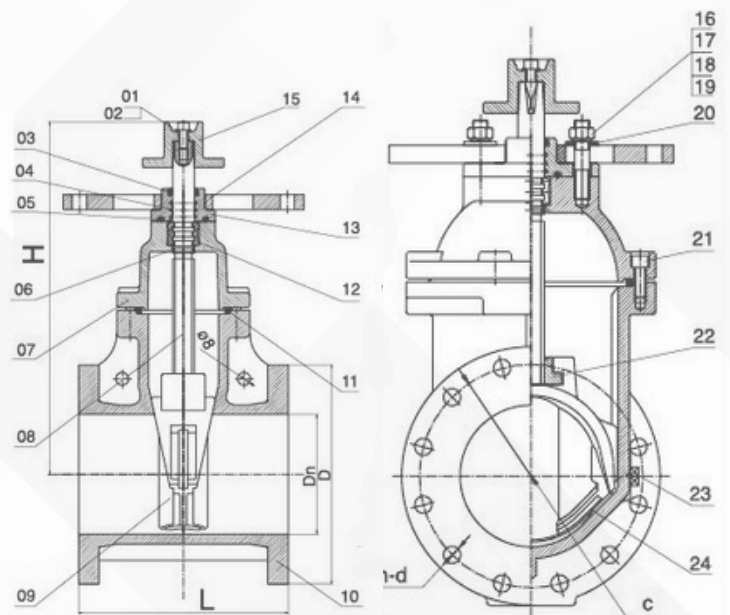


TECHNICAL FEATURES

SIZE CHART

SIZE ITEM	2-1/2"	3"	4"	5"	6"	8"	10"	12"
Dn	65	80	103	128.5	155	204	255	304
L	190	203	229	254	267	292	330	356
D	178	191	229	254	279	343	406	483
c	139.5	152.5	190.5	216	241.5	298.5	362	432
n-d	4-ø19	4-ø19	8-ø19	8-ø22	8-ø22	8-ø22	12-ø25	12-ø25
H	292	322	342	412	448	534	635	720

NO.	NAME	QTY.	MATERIAL
01	FLAT WASHER	1	S.S.304
02	INNER HEXAGON SCREW	1	S.S.304
03	SEALING GLAND	1	EPDM
04	O-RING	3	EPDM
05	SEALING RING	1	EPDM
06	O-RING	1	EPDM
07	BONNET	1	DI
08	STEM	1	S.S.304
09	DISC	1	EPDM+DI
10	BODY	1	DI
11	SEALING RING	1	EPDM
12	RETAINING RING	2	C95400
13	GLAND	1	DI
14	TERMINAL PAD	1	DI
15	LINK BLOCK	1	DI
16	NUT	N	S.S.304
17	STUDS	N	S.S.304
18	SPRING WASHER	N	STEEL
19	WASHER	N	STEEL
20	WASHER	N	STEEL
21	INNER HEXAGON SCREW	N	STEEL
22	MASTERSCREW	1	C95400
23	PLUG	2	C95400
24	SKETETON	1	DI



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NRS GROOVED END GATE VALVE

MODEL NO:-FKF-GVGEZ85

TECHNICAL SPECIFICATIONS

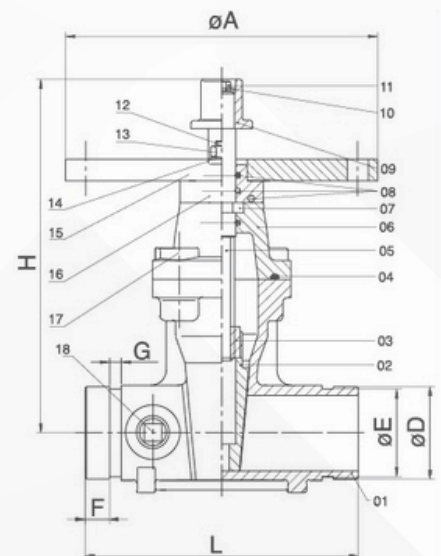
- 1.Design Standard:AWWA C515
2. Norminal Pressure:200PSI
3. Groove Standard: Metric or AWWA C606
- 4.Both inside and outside of the body need Epoxy Resin Coating
- 5.It could also be operated by the handwheel

TECHNICAL FEATURES

SIZE CHART

SIZE ITEM	2-1/2"	3"	4"	5"	6"	8"	10"	12"
L	190	203	229	254	267	292	330	356
H	255	289	323	386	420	520	628	725
øD	76.1	88.9	114.3	141.3	168.3	219.1	273	323.9
øE	72.3	84.9	110.1	137	163.9	214.4	268.3	318.3
F	15.9	15.9	15.9	15.9	15.9	19	19	19
G	7.9	7.9	9.5	9.5	9.5	11.1	12.7	12.7
øA	305	305	305	305	305	305	305	305

NO.	NAME	QTY.	MATERIAL	REMARK
01	BODY	1	DI	ASTM A536 65-45-12
02	DISC	1	DI+EPDM	ASTM A536 65-45-12 + EPDM
03	NUT	1	C95400	ASTM B148
04	GASKET	1	EPDM	ASTM D2000 EPDM
05	STEM	1	S.S.304	ASTM A276
06	CAP	1	DI	AST A536 65-45-12
07	RETAINER RING	1	C2800	ASTM B135
08	O-RING	2	EPDM	ASTM D2000 EPDM
09	SCOTCH	1	DI	ASTM A536 65-45-12
10	MINIPAD	1	STEEL	
11	BOLT	1	STEEL	
12	BOLT SUD	1	STEEL	
13	BLIND NUT	2	STEEL	
14	PLAIN WASHER	2	STEEL	
15	COUPLING FLANGE	2	DI	ASTM A536 65-45-12
16	PLATEN	1	DI	ASTM A536 65-45-12
17	COUNTERSUNK HEAD BOLT	N	STEEL	ASTM B62
18	PLUG	2	CAST BRONZE	ANSI 1045



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NRS FLANGED GROOVED VALVE

MODEL NO:FKF- GVFGZ485

TECHNICAL SPECIFICATIONS

- 1.Design Standard: AWWA C515
2. Nominal Pressure: 300PSI
- 3.Flange Standard: ANSI B16.1 Class125 or according to the customer's requirements
- 4.Both inside and outside of the body need Epoxy Resin Coating
- 5.It could also be operated by the handwheel

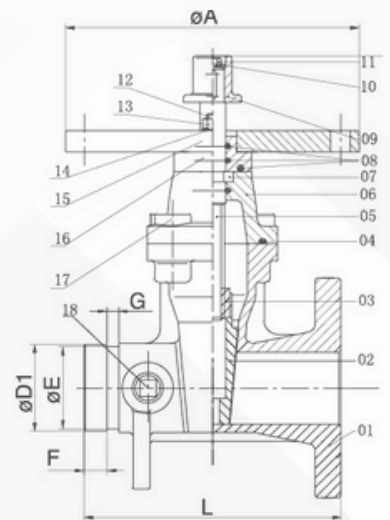


TECHNICAL FEATURES

SIZE CHART

SIZE ITEM	2-1/2"	3"	4"	5"	6"	8"	10"	12"
L	190	203	229	254	267	292	330	356
H	255	289	323	386	420	520	628	725
øD1	76.1	88.9	114.3	141.3	168.3	219.1	273	323.9
øE	72.3	84.9	110.1	137	163.9	214.4	268.3	318.3
F	15.9	15.9	15.9	15.9	15.9	19	19	19
G	7.9	7.9	9.5	9.5	9.5	11.1	12.7	12.7
øA	305	305	305	305	305	305	305	305

NO.	NAME	QTY.	MATERIAL	REMARK
01	BODY	1	DI	ASTM A536 65-45-12
02	DISC	1	DI+EPDM	ASTM A536 65-45-12 + EPDM
03	NUT	1	C95400	ASTM B148
04	GASKET	1	EPDM	ASTM D2000 EPDM
05	STEM	1	S.S.304	ASTM A276
06	CAP	1	DI	AST A536 65-45-12
07	RETAINER RING	1	C2800	ASTM B135
08	O-RING	2	EPDM	ASTM D2000 EPDM
09	SCOTCH	1	DI	ASTM A536 65-45-12
10	MINIPAD	1	STEEL	
11	BOLT	1	STEEL	
12	BOLT SUD	1	STEEL	
13	BLIND NUT	2	STEEL	
14	PLAIN WASHER	2	STEEL	
15	COUPLING FLANGE	2	DI	ASTM A536 65-45-12
16	PLATEN	1	DI	ASTM A536 65-45-12
17	COUNTERSUNK HEAD BOLT	N	STEEL	
18	PLUG	2	CAST BRONZE	



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OS&Y TYPE FLANGED END GATE VALVE

MODEL NO:FKF-GVFEZ300-41

TECHNICAL SPECIFICATIONS

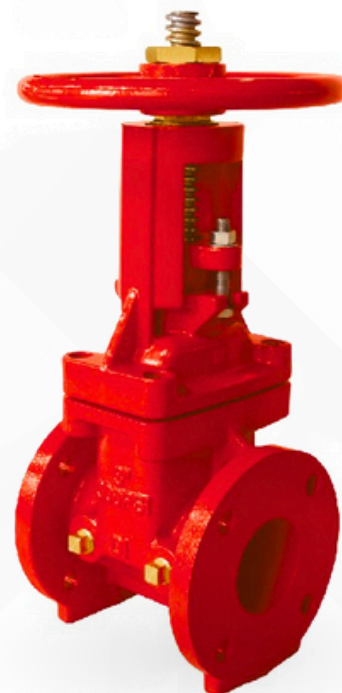
- 1.Design Standard:AWWA C515
2. Norminal Pressure: 300PSI
- 3.Flange Standard: ANSI B16.1 Class125 or according to the customer's requirements
- 4.Both inside and outside of the body need Epoxy Resin Coating



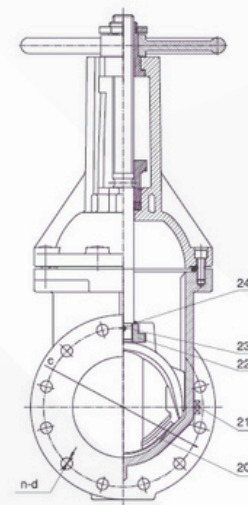
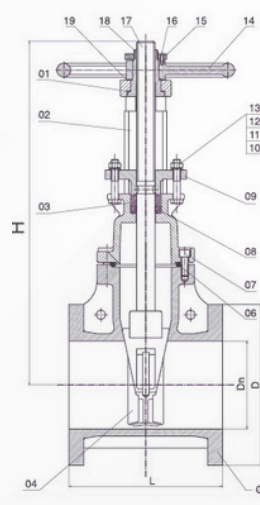
TECHNICAL FEATURES

SIZE CHART

SIZE ITEM	2-1/2"	3"	4"	5"	6"	8"	10"	12"
Dn	65	80	103	128.5	155	204	255	304
L	190	203	229	254	267	292	330	356
D	178	191	229	254	279	343	406	483
c	139.5	152.5	190.5	216	241.5	298.5	362	432
n-d	4-ø19	4-ø19	8-ø19	8-ø22	8-ø22	8-ø22	12-ø25	12-ø25
H	357	411	443	536	595	739	881	1021



NO.	NAME	QTY.	MATERIAL	REMARK
01	BODY	1	DI	ASTM A536 65-45-12
02	DISC	1	DI+EPDM	ASTM A536 65-45-12 + EPDM
03	NUT	1	C95400	ASTM B148
04	GASKET	1	EPDM	ASTM D2000 EPDM
05	STEM	1	S.S.304	ASTM A276
06	CAP	1	DI	AST A536 65-45-12
07	RETAINER RING	1	C95400	ASTM B148
08	O-RING	3	EPDM	ASTM D2000 EPDM
09	SCOTCH	1	DI	ASTM A536 65-45-12
10	MINIPAD	1	STEEL	
11	BOLT	1	STEEL	
12	BOLT SUD	1	STEEL	
13	BLIND NUT	2	STEEL	
14	PLAIN WASHER	2	STEEL	
15	COUPLING FLANGE	2	DI	ASTM A536 65-45-12
16	PLATEN	1	DI	ASTM A536 65-45-12
17	COUNTERSUNK HEAD BOLT	1	STEEL	
18	PLUG	2	CAST BRONZE	ASTM B62



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NRS FLANGED END GATE VALVE WITH ROUND PLATE

MODEL NO:-FKF-GVRPFEZ45

TECHNICAL SPECIFICATIONS

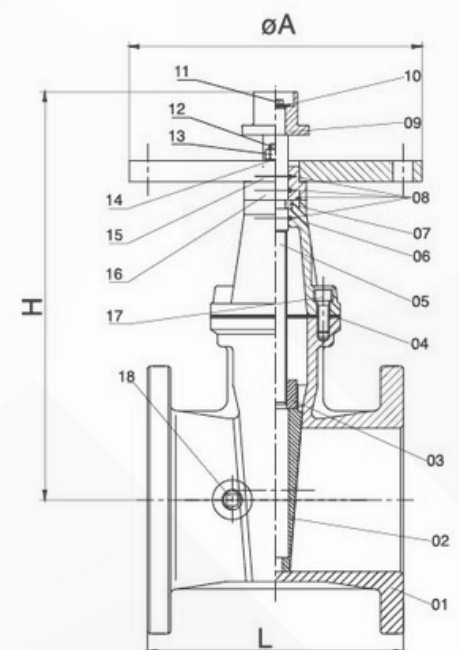
- 1.Design Standard:AWWA C515
2. Norminal Pressure: 300PSI
- 3.Flange Standard:ANSI B16.1 Class125 or according to the customer's requirements
- 4.Both inside and outside of the body need Epoxy Resin Coating 11
- 5.It could also be operated by the handwheel

TECHNICAL FEATURES

SIZE CHART

SIZE ITEM	2-1/2"	3"	4"	5"	6"	8"	10"	12"
L	190	203	229	254	267	292	330	356
H	255	289	323	386	420	520	628	725
øA	305	305	305	305	305	305	305	305

NO.	NAME	QTY.	MATERIAL	REMARK
01	BODY	1	DI	ASTM A536 65-45-12
02	DISC	1	DI+EPDM	ASTM A536 65-45-12 + EPDM
03	NUT	1	C95400	ASTM B148
04	GASKET	1	EPDM	ASTM D2000 EPDM
05	STEM	1	S.S.304	ASTM A276
06	CAP	1	DI	AST A536 65-45-12
07	RETAINER RING	1	C95400	ASTM B148
08	O-RING	3	EPDM	ASTM D2000 EPDM
09	SCOTCH	1	DI	ASTM A536 65-45-12
10	MINIPAD	1	STEEL	
11	BOLT	1	STEEL	
12	BOLT SUD	1	STEEL	
13	BLIND NUT	2	STEEL	
14	PLAIN WASHER	2	STEEL	
15	COUPLING FLANGE	2	DI	ASTM A536 65-45-12
16	PLATEN	1	DI	ASTM A536 65-45-12
17	COUNTERSUNK HEAD BOLT	1	STEEL	
18	PLUG	2	CAST BRONZE	ASTM B62





FLANGED END SWING CHECK VALVE

MODEL NO:-FKF-SCVFEXQH300

TECHNICAL SPECIFICATIONS

- 1.Design Standard: AWWA C508
2. Nominal Pressure:300PSI
- 3.Flange Standard: ANSI B16.1 Class125 or according to the customer's requirements
- 4.Both inside and outside of the body need Epoxy Resin Coating



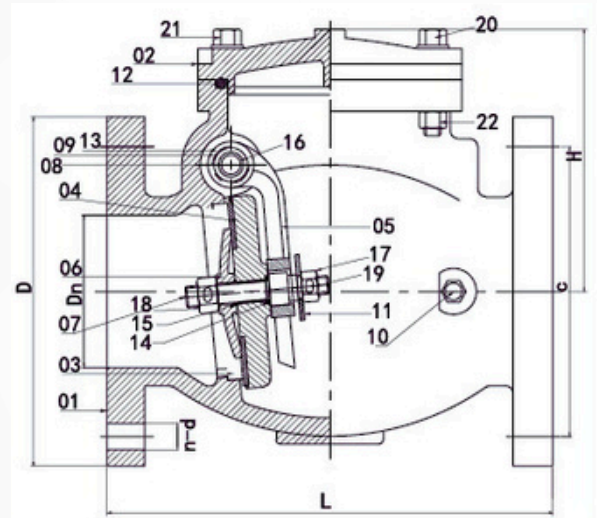
TECHNICAL FEATURES

SIZE CHART

SIZE ITEM	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"
Dn	51	64	80	100	126	152	204	254	302
L	203	216	241	292	330	356	495	622	698
D	152	178	191	229	254	279	343	406	483
c	120.5	139.5	152.5	190.5	216	241.5	298.5	362	432
n-d	4-ø19	4-ø19	4-ø19	8-ø19	8-ø22	8-ø22	8-ø22	12-ø25	12-ø25
H	142	148	163.5	172	237	233	301	348	419



NO.	NAME	QTY.	MATERIAL
01	BODY	ASTM A536 65-45-12	
02	BONNET	ASTM A536 65-45-12	
03	SEAT RING	ASTM A148 C95400	
04	DISC	ASTM A536 65-45-12	
05	ROCKER ARM	ASTM A536 65-45-12	
06	BAFFLE PLATE	ASTM A148 C95400	
07	MIDDLE STEM	ASTM A276 SS304	
08	PINNED STEM	ASTM A276 SS304	
09	BRACKET SCREW	ASTM A276 SS304	NO SHOW IN DRAWING
10	PLUG	ASTM A148 C95400	
11	GASKET	ASTM A276 SS304	
12	O-RING (LARGE)	ASTM D2000 EPDM	
13	O-RING (FOR BRACKET SCREW)	ASTM D2000 EPDM	NO SHOW IN DRAWING
14	O-RING (FOR MID STEM)	ASTM D2000 EPDM	
15	O-RING (FOR MID STEM SMALL	ASTM D2000 EPDM	
16	BRONZE BUSHING	POWDER METALLURGY	NO SHOW IN DRAWING
17	SS304 OUTER HEXAGON NUT M12	ASTM A276 SS304	
18	SS304 OUTER HEXAGON NUT M12	ASTM A276 SS304	
19	SS304 COTTERPIN 4X55	ASTM A276 SS304	
20	"M12X60 ZINC OUTER HEXAGON BOLT (HALF THRED)"	STEEL	
21	"M12X40 ZINC OUTER HEXAGON BOLT (HALF THRED)"	STEEL	
22	M12 ZINC OUTER HEXAGON NUT	STEEL	



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WAFER TYPE BUTTERFLY VALVE

MODEL NO:-FKF-BFVW371-X

TECHNICAL SPECIFICATIONS

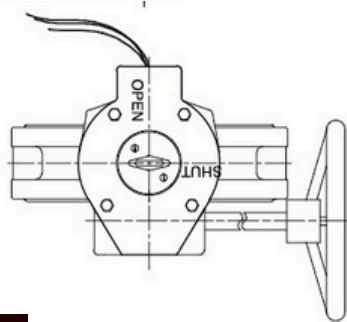
1. Working pressure:300 PSI (21 BARS)
2. Working Temp:-20°C~110°C (-4 °F~230 °F)

SIZE CHART

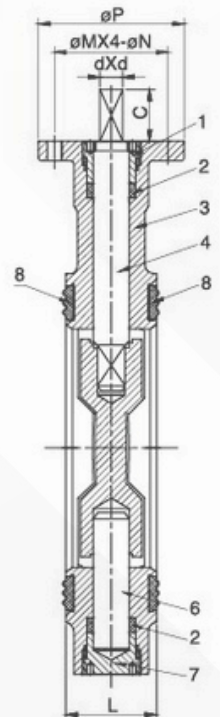
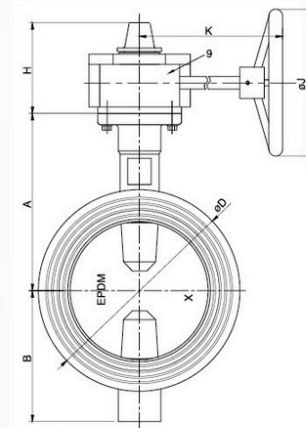
ITEM SIZE	A	B	C	D	H	K	J	P	M	N	d	L
2-1/2"	125	95	32	112	111	218	152	90	70	9	10	44.2
3"	140	100	32	120	111	218	152	90	70	9	11	45.3
4"	160	100	32	165	111	218	152	90	70	9	14	52
5"	170	125	32	182	111	218	152	90	70	9	14	54.4
6"	190	140	32	216	111	218	200	90	70	9	16	55.8
8"	230	175	32	260	126	232	300	125	102	12	19	60.5
10"	260	200	45	320	126	232	300	125	102	12	22	66.5
12"	300	240	45	375	161	252	350	150	125	14	24	76.9

Carried Standard

Design Standard	API609
Face to Face Standard	ASME B16.1
Top Standard	ISO 5211
Test Standard	API598



NO	NAME	MATERIAL
01	UPPER SHAFT SEALING NUT	WCB
02	SHAFT SEAL	EPDM
03	BODY	DI
04	UPPER SHAFT	SS416
05	DISC	DI+EPDM
06	LOWER SHAFT	SS416
07	LOWER SHAFT SEALING NUT	WCB
08	END FACE SEAL	EPDM
09	SIGNAL GEARBOX	DI



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GROOVED TYPE BUTTERFLY VALVE

MODEL NO:-FKF-BFVG381-X

TECHNICAL SPECIFICATIONS

1. Working Pressure: 300PSI(21Bars)
2. Working Temp:-20°C~110°C (-4°F~230°F)

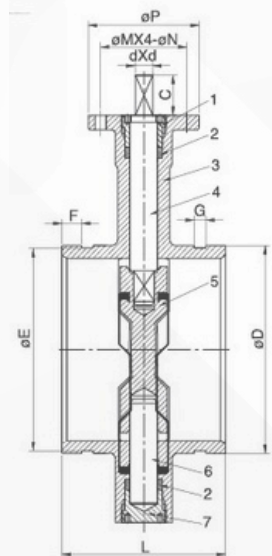
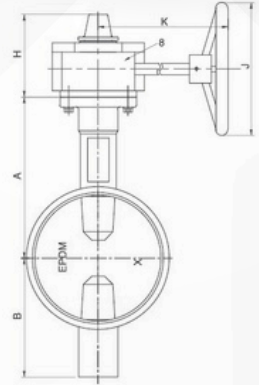
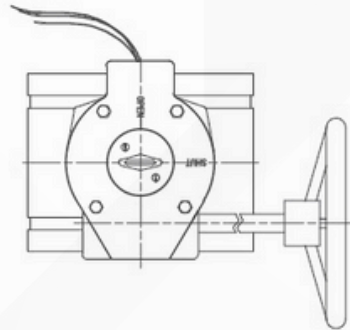
SIZE CHART

ITEM SIZE	A	B	C	D	E	F	G	H	K	J	P	M	N	d	L
2-1/2"	125	95	32	76.1	72.1	15.9	7.9	111	218	152	90	70	9	10	96.4
3"	140	100	32	88.9	84.9	15.9	7.9	111	218	152	90	70	9	11	97
4"	160	100	32	114.3	110.1	15.9	9.5	111	218	152	90	70	9	14	115.1
5"	170	125	32	114.3	137	15.9	9.5	111	218	152	90	70	9	14	132.4
6"	190	140	32	168.3	164	15.9	9.5	111	218	200	90	70	9	16	132.4
8"	230	175	32	219.1	214.6	19	11.1	126	232	300	125	102	12	19	147.4
10"	260	200	45	273	268.3	19	12.7	126	232	300	125	102	12	22	159
12"	300	240	45	324	318.3	19	12.7	161	252	350	150	125	14	24	165

Carried Standard

Design Standard	API609
Groove Standard	ASME B16.1
Top Standard	ISO5211
Test Standard	API598

NO	NAME	MATERIAL
01	UPPER SHAFT SEALING NUT	WCB
02	SHAFT SEAL	EPDM
03	BODY	DI
04	UPPER SHAFT	SS416
05	DISC	DI+EPDM
06	LOWER SHAFT	SS416
07	LOWER SHAFT SEALING NUT	WCB
08	SIGNAL GEARBOX	DI



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info@amanfire.com



+971 4 258 0090



DUBAI, UAE