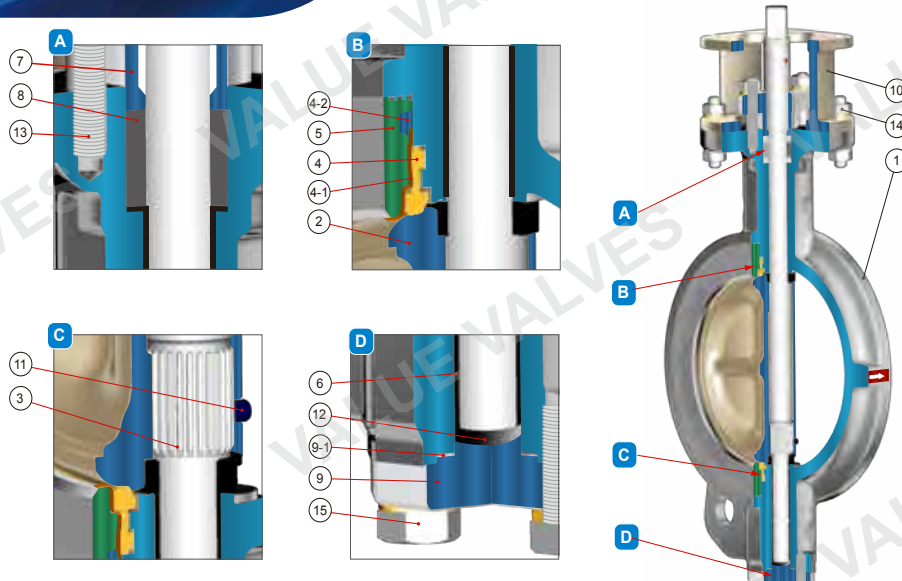


VF-92_A Series

Fire safe Seat - It is used in petrochemical and refining industries and suitable for other applications with high operating temperatures.

ANSI CLASS 150LB I ISO PN 10~PN 25 I JIS 10K 16K 20K

PARTS AND MATERIALS



No.	NAME	MATERIAL	SPECIFICATION		REMARK/SPARE PARTS*
			JIS	ASTM	
1	BODY	CARBON STEEL	SC480	A216 Gr. WCB	
		STAINLESS STEEL	SCS 13A	A351 Gr. CF8	
			SCS 14A	A351 Gr. CF8M	
			SCS 16A	A351 Gr. CF3M	
2	DISC	STAINLESS STEEL	SCS 13A	A351 Gr. CF8	Disc edge equipped with hard chrome plated
			SCS 14A	A351 Gr. CF8M	
			SCS 16A	A351 Gr. CF3M	
3	SHAFT	STAINLESS STEEL	SUS 304	A182 Gr. F304	Shaft Equipped With Hard Chrome Plated
			SUS 316	A182 Gr. F316	
			630SS	A564 Gr. 630	
			XM-19	A479 Gr. XM-19	
4	SOFT SEAT	PTFE			-29°C ~160°C (-20 °F ~320 °F)
		PTFE+15%GLASS FIBER	RTFE		-29°C ~180°C (-20 °F ~356 °F)
		PTFE+15%GRAPHITE	RTFE		-29°C ~210°C (-20 °F ~410 °F)
		TFM			-100°C ~260°C (-148 °F ~500 °F)
4-1	METAL SEAT	INCONEL 718	INCONEL	INCONEL	
4-2	GASKET	GRAPHITE			*
5	RETAINER	STAINLESS STEEL	SCS 13A	A351 Gr. CF8	
			SCS 14A	A351 Gr. CF8M	
			SCS 16A	A351 Gr. CF3M	
6	BUSHING	STAINLESS STEEL+RTFE			*
7	GLAND	STAINLESS STEEL	SCS 13A	A351 Gr. CF8	
			SCS 14A	A351 Gr. CF8M	
			SCS 16A	A351 Gr. CF3M	
8	GLAND PACKING	GRAPHITE			*
9	BOTTOM COVER	STAINLESS STEEL	SCS 13A	A351 Gr. CF8	
			SCS 14A	A351 Gr. CF8M	
			SCS 16A	A351 Gr. CF3M	
		CARBON STEEL	SC480	A216 Gr. WCB	
9-1	BOTTOM COVER GASKET	GRAPHITE			*
10	YOKE	DUCTILE IRON	FCD 450	A536 Gr. 65-45-12	
		CARBON STEEL	SC480	A216 Gr. WCB	
11	STOP STUD	STAINLESS STEEL	SUS 316	A193 Gr. B8M	*
12	LOCK PLATE	RTFE+316SS			*
13	STUD	STAINLESS STEEL	SUS 304	A193 Gr. B8	
14	NUT	STAINLESS STEEL	SUS 304	A194 Gr. 8	
15	BOLT	STAINLESS STEEL	SUS 304	A193 Gr. B8	

Remark

SHAFT(3) - One-Piece design with ISO 5211 square drive.

SOFT SEAT (4) - Bi - directional soft seat(4) design for zero leakage in normal operation and a metal-to-metal seal(4-1) after fire, meeting "Fire-safe" requirement. (Valve must be installed with retaining ring upstream for dead end service.)

RETAINER (5) - Patented design of square thread, ensures an un-interrupted sealing face.

GLAND PACKING (8) - Graphite packing ensures no leakage during fire.

YOKE(10) - Materials A216 Gr. WCB is only available for F16 and below ; A536 65-45-12 for F25 and above. Investment Cast, per ISO 5211.

LOCK PLATE(12) - Anti blow out shaft and Anti static design.

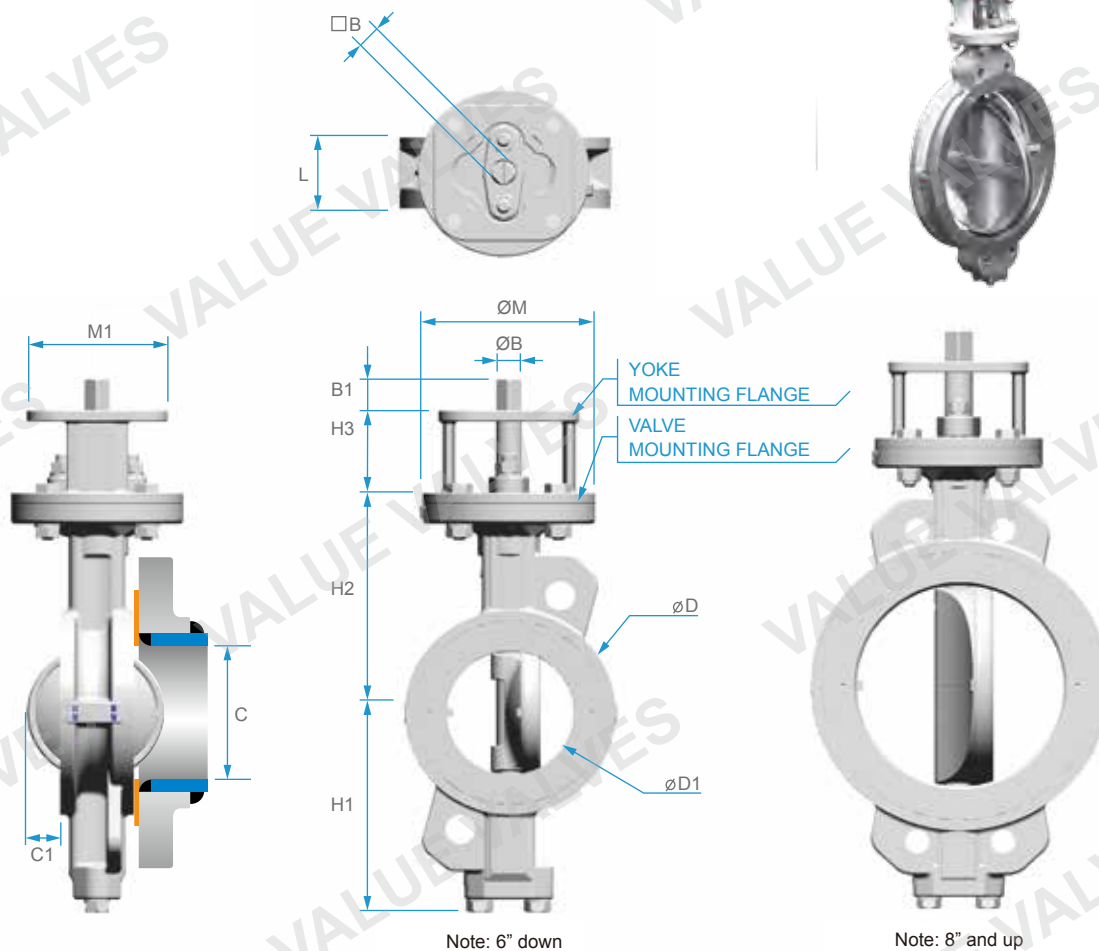
Each materials can provide on different process of customer's requirements.

" * " Value Valves offer high quality replacement parts for our own product.

VF-910A VF-920A VF-930A WAFER TYPE

ANSI CLASS 150LB I ISO PN 10~PN 25 I JIS 10K 16K 20K

DIMENSIONS



Unit : mm

Size		Face to Face	Dimension								Mounting Flange (ISO 5211)				Shaft End			Suitable Pipe Flange	Weight
											VALVE		YOKE						
mm	inch	L	H1	H2	H3	φD	φD1	C	C1	TYPE	φM	TYPE	M1	φB	□B	B1	★	kg	
50	2	43	99	118	60	92	38	19	2	F07	90	F07	F05	70	14	11	18	ABCDEFGHK	4
65	2.5	46	111	125	60	108	63	56	15	F07	90	F07	F05	70	14	11	18	ABCDEFGHK	5
80	3	47	128	140	70	126	78	74	22	F10	125	F10	F07	102	18	14	23	ABCDEFGHK	8
100	4	53	150	157	70	153	95	86	25	F10	125	F10	F07	102	18	14	23	ABCDEFGHK	10
125	5	57	163	170	70	184	118	112	36	F10	125	F10	F07	102	22	17	23	ABCDEFGHK	13
150	6	56	176	185	70	212	143	138	49	F10	125	F10	F07	102	22	17	23	ABCDEFGHK	14
200	8	62	206	220	80	268	188	182	68	F12	150	F12	F10	125	25	19	28	ABCDEFGHK	25
250	10	68	238	260	80	326	236	230	89	F12	150	F12	F10	125	28	22	28	ABCDEFGHK	33
300	12	78	269	290	100	375	282	275	106	F14	175	F14	F12	160	35	27	37	ABCDEFGHK	48
350	14	78/92	306	326	100	416	322	314	125	F14	175	F14	F12	160	36	27	37	ABCDEFGHK	64
400	16	102	342	370	120	476	371	361	140	F16	210	F16	F14	195	48	36	47	ABCDEFGHK	102
450	18	114	370	395	120	534	418	406	157	F16	210	F16	F14	195	48	36	47	ABCDEFGHK	129
500	20	127	397	430	120	588	466	453	177	F16	210	F16	F14	195	60	46	56	ABCDEFGHK	123
600	24	154	455	490	150	692	570	550	210	F25	300	F16	-	300	60	46	56	ABCDEFGK	273
600	24	154	455	490	150	692	570	550	210	F25	300	F25	-	300	60	46	56	ABCDEFGK	276
★	A : ASME 150LB B : ISO PN10 C : ISOPN16 D : ISO PN20 E : ISO PN25 F : JIS 10K G : JIS 16K H : 20K K : B.S.10 TABLE E																	Inside Pipe Diameter > C	

★ A : ASME 150LB B : ISO PN10 C : ISOPN16 D : ISO PN20 E : ISO PN25
F : JIS 10K G : JIS 16K H : 20K K : B.S.10 TABLE E

Inside Pipe Diameter > C

*Other dimensions please consult with Value Valves.