

### Fig No: V-255FSB

Full Bore 1/4" ~ 2" (DN8 ~ DN50)



#### Features :

- Investment Casting Component
- Blow Out Proof Stem, Non Anti-Static Device
- ISO 5211 Mounting Flange Design
- In-line Maintenance
- Standard Stock Without Fire Safe Standard Sealing Kits (changeable)
- \* Option : API 607 4th Edition Fire Safe Approved
- Sealing Kits can be changed upon request

#### Standard Compliance :

- Body Wall Thickness : EN 12516-1/2/3, ANSI B16.34
- Butt Weld : B16.25
- Face to Face : MD's Standard
- Pressure Testing : API 598 / EN 12266

#### Specification :

- Working Pressure : 140 Bar ( CWP ) / 2000 PSI for DN8 ~ DN25
- 100 Bar ( CWP ) / 1500 PSI for DN32 ~ DN50
- Temperature : -20 to 180 °C ( -4 to 356 °F ) for RTFE.
- Suggested Application : Sea Water, Formic Acid, Acetic Acid
- Phosphoric Acid, Chloride (water or gas)

#### MATERIAL LIST

NO.	PART NAME	MATERIAL
1	BODY	ASTM A351 Gr.CN7M
4	BALL	ASTM A351 Gr.CN7M
5	STEM	N08020
9	END CAP	ASTM A351 Gr.CN7M
11	BODY SEAL	PTFE.
12	SEAT	RTFE.(15%G.F.)
13	THRUST WASHER	PTFE.
14	STEM PACKING	PTFE.
15	GLAND BUSH	SS304
19	HANDLE	SS304
21	HANDLE COVER	PLASTIC
22	STEM NUT	SS304
24	HANDLE NUT	SS304
28	LOCKING PAD	SS304
29	BELLEVILLE WASHER	SS301
30	TAB WASHER	SS304
33	STOP PIN	SS304
34	STOP PIN NUT	SS304
35	BODY BOLT	ASTM A193 Gr.B8M
37	BOLT NUT	ASTM A194 Gr.8M

#### DIMENSIONS

SIZE	PORT	L	H	H1	H2	h	E	C	ØD	ØD1	ØK	ØY	W	BW	Z	unit:mm
DN8	1/4"	10.0	64.8	62.7	8.6	6.7	0.5	132.8	6.5	25.0	10.0	36.0	9.5	29.5	17.7	M5x0.8
DN10	3/8"	10.0	64.8	62.7	8.6	6.7	0.5	132.8	6.5	25.0	12.5	36.0	9.5	29.5	17.7	M5x0.8
DN15	1/2"	15.0	74.9	69.0	16.5	8.0	2.0	132.8	6.5	25.0	15.0	36.0	9.5	30.0	21.8	M5x0.8
DN20	3/4"	20.0	90.0	73.5	17.8	8.8	2.0	132.8	6.5	25.0	20.0	36.0	9.5	36.0	27.2	M5x0.8
DN25	1"	25.4	109.9	81.9	25.3	12.0	2.0	171.8	8.0	30.0	25.0	42.0	11.1	44.5	34.6	M5x0.8
DN32	1-1/4"	32.0	115.0	86.9	26.0	11.7	2.0	171.8	8.0	30.0	32.0	42.0	11.1	54.0	42.7	M5x0.8
DN40	1-1/2"	38.0	129.5	97.5	31.7	15.0	2.2	204.2	9.7	35.0	38.0	50.0	14.2	60.0	48.9	M6x1.0
DN50	2"	50.8	145.2	127.0	28.7	15.4	1.8	212.0	12.0	55.0	50.0	70.0	19.0	73.0	61.0	M8x1.25

#### DIMENSIONS

SIZE	PORT	L	H	H1	H2	h	E	C	ØD	ØD1	ØK	ØY	W	BW	Z	unit:inch
DN8	1/4"	0.39	2.55	2.47	0.34	0.26	0.02	5.23	0.26	0.98	0.39	1.42	0.37	1.16	0.70	M5x0.8
DN10	3/8"	0.39	2.55	2.47	0.34	0.26	0.02	5.23	0.26	0.98	0.49	1.42	0.37	1.16	0.70	M5x0.8
DN15	1/2"	0.59	2.95	2.72	0.65	0.31	0.08	5.23	0.26	0.98	0.59	1.42	0.37	1.18	0.86	M5x0.8
DN20	3/4"	0.79	3.54	2.89	0.70	0.35	0.08	5.23	0.26	0.98	0.79	1.42	0.37	1.42	1.07	M5x0.8
DN25	1"	1.00	4.33	3.22	1.00	0.47	0.08	6.76	0.31	1.18	0.98	1.65	0.44	1.75	1.36	M5x0.8
DN32	1-1/4"	1.26	4.53	3.42	1.02	0.46	0.08	6.76	0.31	1.18	1.26	1.65	0.44	2.13	1.68	M5x0.8
DN40	1-1/2"	1.50	5.10	3.84	1.25	0.59	0.09	8.04	0.38	1.38	1.50	1.97	0.56	2.36	1.93	M6x1.0
DN50	2"	2.00	5.72	5.00	1.13	0.61	0.07	8.35	0.47	2.17	1.97	2.76	0.75	2.87	2.40	M8x1.25

