

**Fig No: V-C06 Full Bore**  
**1/4" ~ 3" (DN8 ~ DN80)**



### Features :

Full Bar Machined  
 Blow Out Proof Stem Design  
 Non Anti-Static Device

### Standard Compliance :

Body Wall Thickness : ASME B16.34  
 Threaded End : BS 21 (BSP)

BSPT  
 ISO 228-1G  
 DIN 2999  
 ISO 7-1Rp

Face to Face : MD's Standard  
 Pressure Testing : API 598 / EN 12266

### Specification :

Working Pressure : 63 Bar ( CWP ) for DN8 ~ DN80  
 1000 PSI ( CWP ) for 1/4" ~ 3"

Temperature : -20 to 180 °C (-4 to 356 °F) for PTFE.  
 Suggested Application : Organic Acid, Caustic Soda,  
 Nitric Acid, Chlorides

### MATERIAL LIST

NO.	PART NAME	MATERIAL
1	BODY	ASTM A381 Gr.F2
4	BALL	ASTM A381 Gr.F2
5	STEM	ASTM A381 Gr.F2
9	END CAP	ASTM A381 Gr.F2
11	BODY SEAL	PTFE.
12	SEAT	PTFE.
13	THRUST WASHER	RTFE.(15%G.F.)
14	STEM PACKING	PTFE.
15	GLAND BUSH	ASTM A381 Gr.F2
19	HANDLE	SS304
21	HANDLE COVER	PLASTIC
24	HANDLE NUT	SS304
29	BELLEVILLE WASHER	SS304
30	TAB WASHER	SS304
31	STEM O-RING	VITON®
33	STOP PIN	SS304
35	BODY STUD	SS304
37	STUD NUT	SS304

### DIMENSIONS

SIZE	PORT	unit:mm											
		L	E	H	H1	H2	H3	C	ØK	ØP	Z		
DN8	1/4"	11.6	72.5	140	69.7	10.7	19.2	47.2	9	36	F03	66	M5
DN10	3/8"	12.7	72.5	140	69.7	10.7	19.2	47.2	9	36	F03	66	M5
DN15	1/2"	13.0	72.5	140	69.7	10.7	19.2	47.2	9	36	F03	66	M5
DN20	3/4"	19.0	85.4	140	74.8	10.8	18.5	51.5	9	36	F03	78	M5
DN25	1"	25.0	106.0	164	87.1	13.1	25.0	64.0	11	42	F04	86	M5
DN32	1-1/4"	32.0	111.0	164	92.1	12.6	25.4	69.0	11	42	F04	99	M5
DN40	1-1/2"	38.0	127.3	210	119.8	18.8	33.0	87.0	14	50	F05	124	M6
DN50	2"	49.0	142.8	210	130.2	19.2	33.4	97.4	14	70	F07	142	M8
DN65	2-1/2"	64.0	164.0	310	151.0	22.0	42.0	119.0	17	70	F07	165	M8
DN80	3"	76.0	180.0	380	160.0	22.0	42.0	128.0	17	70	F07	182	M8

### DIMENSIONS

SIZE	PORT	unit:inch											
		L	E	H	H1	H2	H3	C	ØK	ØP	Z		
DN8	1/4"	0.46	2.85	5.51	2.74	0.42	0.76	1.86	0.35	1.42	F03	2.60	M5
DN10	3/8"	0.50	2.85	5.51	2.74	0.42	0.76	1.86	0.35	1.42	F03	2.60	M5
DN15	1/2"	0.51	2.85	5.51	2.74	0.42	0.76	1.86	0.35	1.42	F03	2.60	M5
DN20	3/4"	0.75	3.36	5.51	2.94	0.43	0.73	2.03	0.35	1.42	F03	3.07	M5
DN25	1"	0.98	4.17	6.46	3.43	0.52	0.98	2.52	0.43	1.65	F04	3.39	M5
DN32	1-1/4"	1.26	4.37	6.46	3.63	0.50	1.00	2.72	0.43	1.65	F04	3.90	M5
DN40	1-1/2"	1.50	5.01	8.27	4.72	0.74	1.30	3.43	0.55	1.97	F05	4.88	M6
DN50	2"	1.93	5.62	8.27	5.13	0.76	1.31	3.83	0.55	2.76	F07	5.59	M8
DN65	2-1/2"	2.52	6.46	12.20	5.94	0.87	1.65	4.69	0.67	2.76	F07	6.50	M8
DN80	3"	2.99	7.09	14.96	6.30	0.87	1.65	5.04	0.67	2.76	F07	7.17	M8

