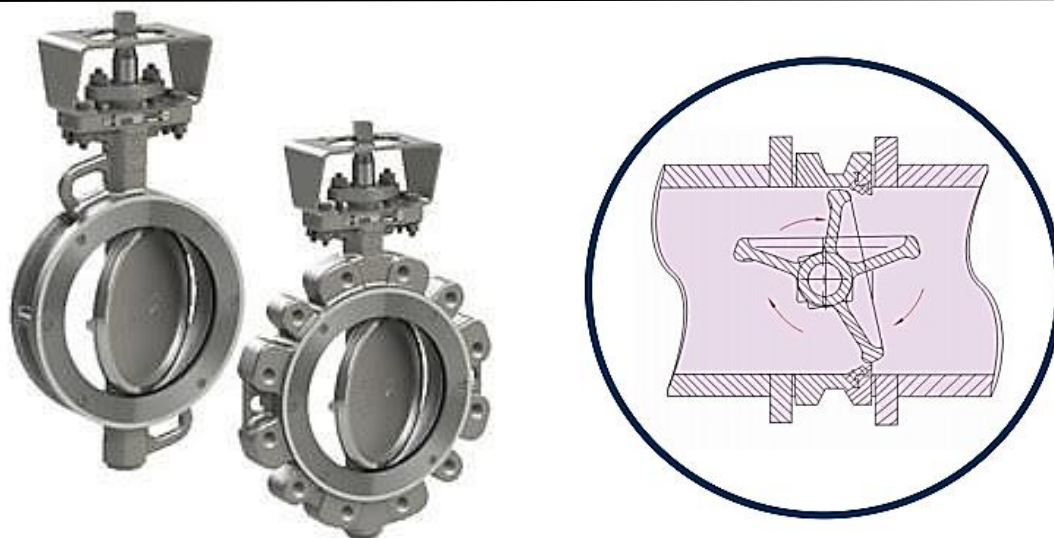




HIGH PERFORMANCE BUTTERFLY VALVE

Model: B04.0402-T/M



SPECIFICATION

DESIGN

Accordance to API 609, Triple Offset Disc

PRESSURE RATING

290 Psi (20 Bar)

WORKING TEMPERATURE

-50°C ~ 300°C

OPERATOR

Bare shaft/ Lever/ Worm Gear/ Pneumatic or Electrical Actuator

CONNECTION

Water, Semi Lug & Lug Type

FACE TO FACE

Accordance to ASME B 16.10

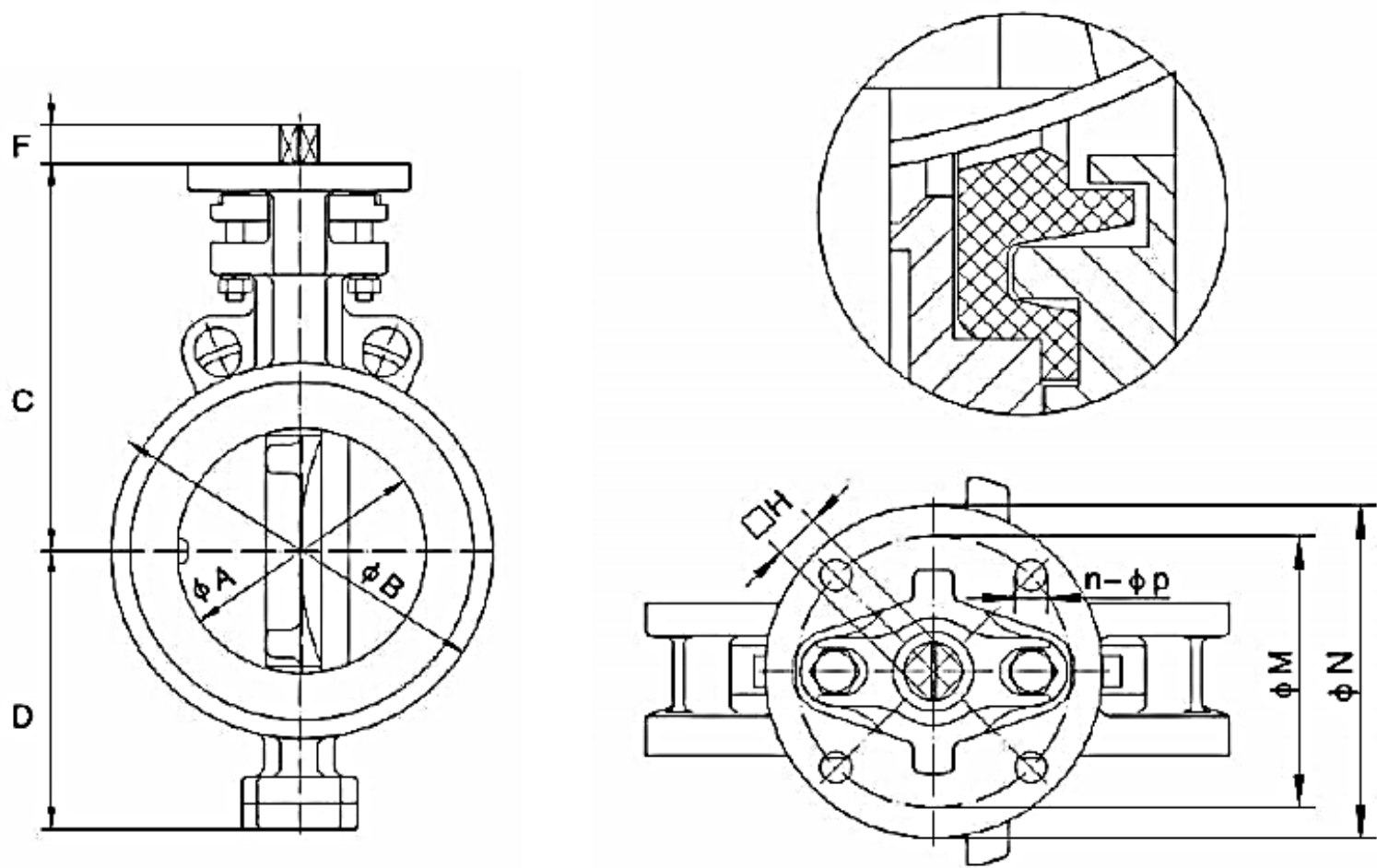
TESTING

Accordance to API 598

MATERIAL

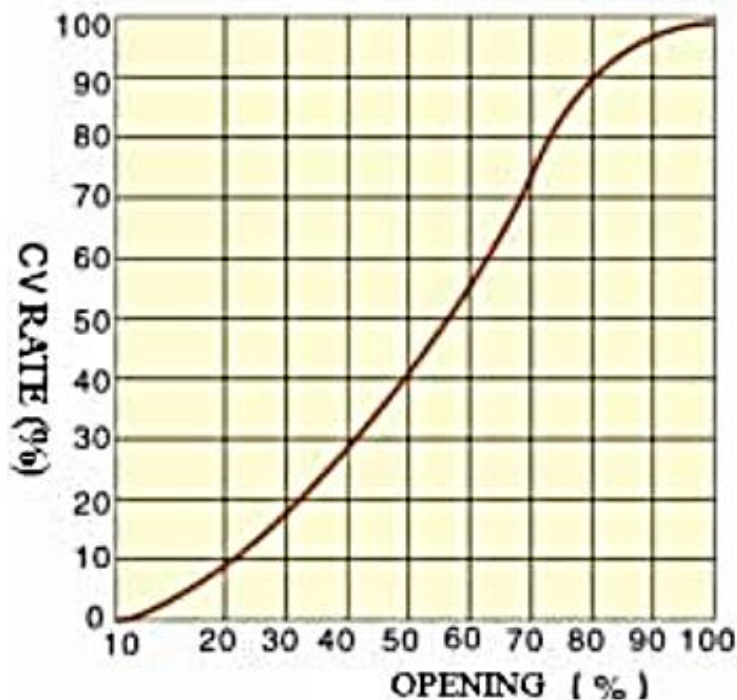
No.	Parts	PTFE Sealing	Metal Sealing
1.	Body	WCB, SS304, SS316	WCB, SS304, SS316
2.	Disc	SS304, SS316	SS304, SS316
3.	Stem	17-4PH	17-4PH
4.	Seat	RPTFE	SS316
5.	Bearing	SS304	SS304
6.	Gland Packing	PTFE or Graphite	PTFE or Graphite
7.	Insert Ring	SS304, SS316	SS304, SS316

DIMENSION



DN	Inch	ϕA	ϕB	C	D	L	F	ϕL	$\square H$	ϕM	ϕN	$n-\phi p$	ISO5211
50	2'	47	102	140	98	43	16	46	11	70	90	4x9	F07
65	2½'	64	122	152	106	46	16	59	11	70	90	4x9	F07
80	3'	76	133	165	113	46	16	76	11	70	90	4x9	F07
100	4'	98	156	185	130	52	20	93	17	70	92	4x9	F07
125	5'	119	188	205	147	5	20	118	17	70	95	4x9	F07
150	6'	140	216	223	161	56	22	139	19	102	125	4x11	F10
200	8'	190	268	268	203	60	25	190	22	102	125	4x11	F10
250	10'	237	323	310	235	68	28	238	22	125	150	4x14	F12
300	12'	280	336	356	268	78	32	281	27	125	150	4x14	F12
350	14'	318	415	365	312	92	38	312	27	140	145	4x18	F14
400	16'	362	470	405	351	12	60	351		165	185	4x22	F16
500	20'	467	580	465	409	127	70	409		165	185	4x22	F16
600	24'	550	679	520	434	154	80	542		165	210	4x22	F16

Cv VALUES-Valve Sizing Coefficient



Size(mm)	10/20 W.O.G	Size(mm)	10/20 W.O.G
50	79	250	2610
65	130	300	4050
80	166	350	5000
100	395	400	6900
125	655	500	12000
150	858	600	18000
200	1810		

TORQUE Nm (Soft Seated)with Various Δ Pressure in bar

Size		10 bar	16 bar	25 bar	40 bar
50	2"	64	68	71	75
65	2½"	72	78	82	86
80	3"	78	86	92	98
100	4"	85	95	105	115
125	5"	115	125	155	190
150	6"	160	175	220	270
200	8"	250	270	340	420
250	10"	350	385	480	600
300	12"	500	650	830	950
350	14"	750	985	1350	1800
400	16"	1100	1500	2200	3200
450	18"	1700	2200	3600	5500
500	20"	2500	3200	6000	9500
600	24"	3400	4400	9000	16000

TORQUE Nm (Metal Seated)with Various Δ Pressure in bar

Size		6	10	16	20	25	Size		6	10	16	20	25
50	2"	50	55	60	65	70	350	14"	840	1050	1500	1900	2300
65	2½"	55	60	65	70	75	400	16"	1070	1600	2200	2800	3500
80	3"	66	75	90	100	110	450	18"	1350	2400	3300	4000	4800
100	4"	0	150	170	185	195	500	20"	1680	3000	4700	6200	7500
125	5"	240	255	280	300	315	600	24"	2800	5000	7500	9500	13000
150	6"	340	370	410	440	465	700	28"	4000	6500	9200	12500	16000
200	8"	380	425	490	540	580	800	32"	6000	9000	15000	17000	19500
250	10"	500	560	650	730	780	900	36"	8000	14000	18000	26000	30000
300	12"	650	750	890	1000	1200	1000	40"	11000	22000	29000	35000	42000