



Value Valves

VF-75 SERIES Centric Butterfly Valves

VALUE VALVES

VALUE VALVES VF-75 Series Centric Butterfly Valves

Max Working Pressure	DN50-DN300 16 Bar DN350-DN450 10 Bar DN500-DN600 6 Bar
Temperature Range	- 35°C to +200°C (depending on pressure, medium and material)
Design Standard	EN593 API 609 BS5155 MSS SP-67
Face to Face	DIN558-1 API609 ISO5752 BS5155
Testing Inspection	EN 12266-1 ISO5208
Flange Drilling	ANSI 150LB PN10 PN16 JIS 10K JIS 16K AS Table E
Mounting Flange	ISO 5211



APPLICATIONS

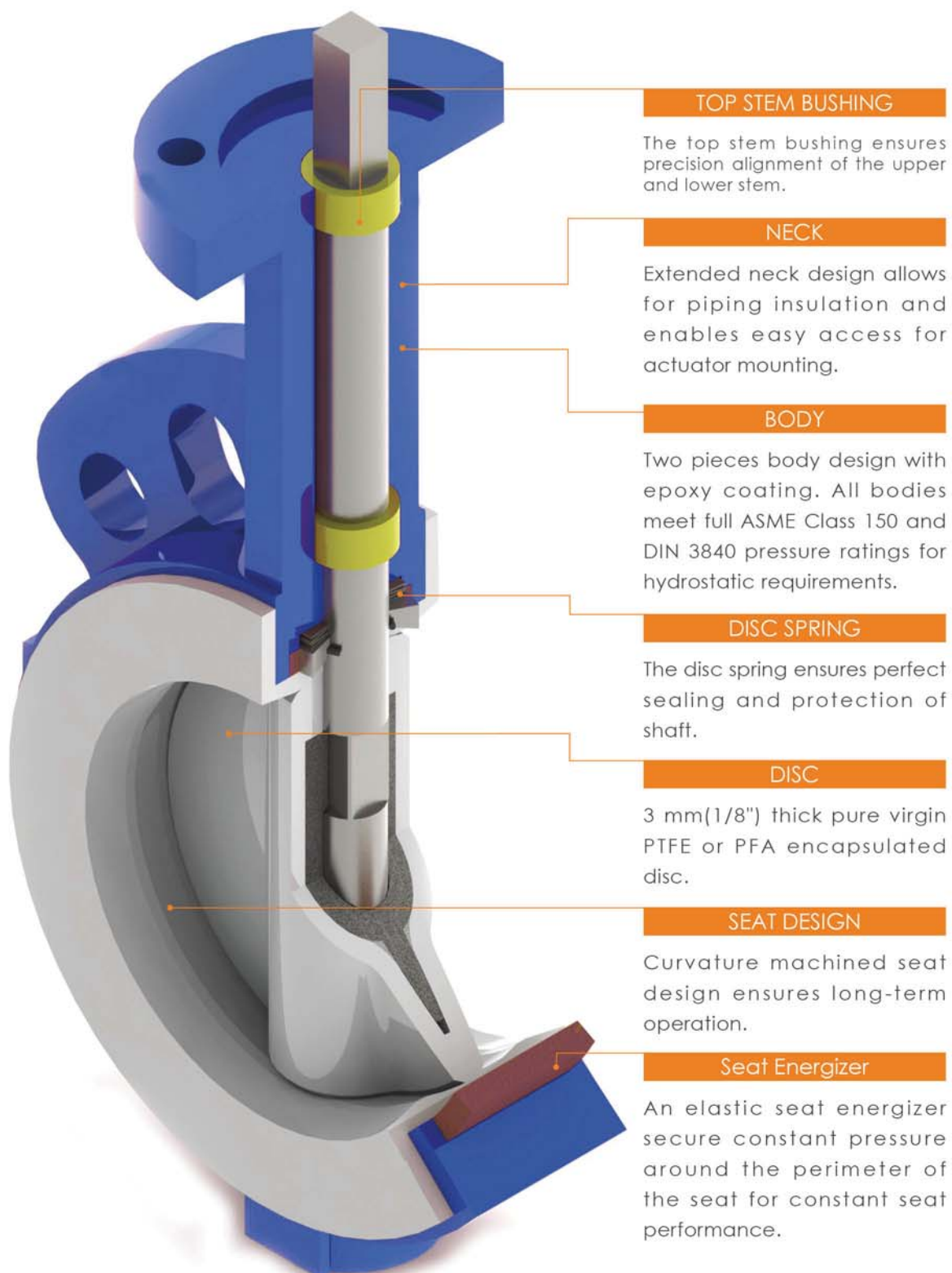
The products are used in a wide range of industries worldwide including:

- ❑ Chemical and petrochemical industries
- ❑ Water & Wastewater Treatment
- ❑ Pneumatic materials handling technology
- ❑ Shipbuilding
- ❑ Food Processing
- ❑ Petroleum Refining & Oilfield
- ❑ Power generation industry
- ❑ Mining
- ❑ Irrigation
- ❑ Textile
- ❑ Desalination
- ❑ Steel Production
- ❑ Sugar/Ethanol
- ❑ HVAC

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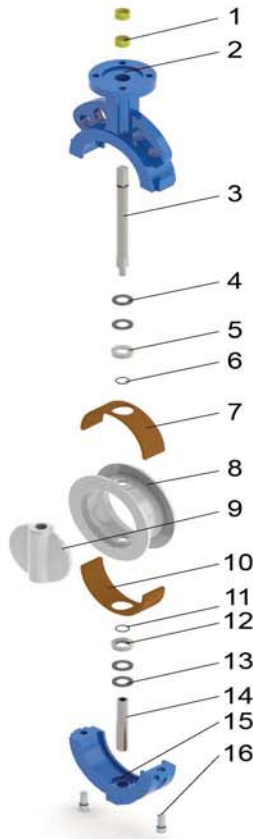
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DESIGN DETAILS



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PARTS AND MATERIALS



DN50-DN600

No.	Item	Material
1	Bushing	PTFE
2	Upper Body	Ductile Iron A536 65-45-12 Carbon Steel A216 Gr. WCB Stainless Steel A351 Gr. CF8M
3	Upper Shaft	Stainless Steel A276 S431 Stainless Steel A564 Gr. 630
4	Spring Planet	Spring Steel
5	Gland	Stainless Steel
6	O-Ring	NBR / FKM(Option)
7	Seat Energizer	Silicone
8	Body seat	PTFE PFA
9	Disc	Stainless Steel PTFE Coated Stainless Steel PFA Coated Stainless Steel
10	Seat Energizer	Silicone
11	O-Ring	NBR / FKM (Option)
12	Gland	Stainless Steel
13	Spring Planet	Spring Steel
14	Lower Shaft	Stainless Steel A276 S431 Stainless Steel A564 Gr. 630
15	Lower Body	Ductile Iron A536 65-45-12 Carbon Steel A216 Gr. WCB Stainless Steel A351 Gr. CF8M
16	Hex Bolts	Stainless Steel

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Size		Disc Angles								
mm	inch	10°	20°	30°	40°	50°	60°	70°	80°	90°
50	2	0.1	5	12	24	45	64	90	125	135
65	2.5	0.2	8	20	37	65	98	144	204	220
80	3	0.3	12	22	39	70	116	183	275	302
100	4	0.5	17	36	78	139	230	364	546	600
125	5	0.8	29	61	133	237	392	620	930	1022
150	6	2	45	95	205	366	605	958	1437	1579
200	8	3	89	188	408	727	1202	1903	2854	3136
250	10	4	151	320	694	1237	2047	3240	4859	5340
300	12	5	234	495	1072	1911	3162	5005	7507	8250
350	14	6	338	715	1549	2761	4568	7230	10844	11917
400	16	8	464	983	2130	3797	6282	9942	14913	16388
450	18	11	615	1302	2822	5028	8320	13168	19752	21706
500	20	14	971	1674	3626	6465	10698	16931	25396	27905
600	24	22	1222	2587	5605	9989	16528	26157	39236	43116

TORQUE CHART (Nm)

Pressure Rating		0.6MPa	1MPa	1.6MPa
mm	inch	Lubricating (N.m)		
50	2	23	26	33
65	2.5	36	39	46
80	3	47	52	59
100	4	78	85	98
125	5	120	130	156
150	6	176	195	208
200	8	351	377	416
250	10	520	559	598
300	12	689	728	845
350	14	910	952	-
400	16	1586	1690	-
450	18	2119	2210	-
500	20	3380	-	-
600	24	5330	-	-

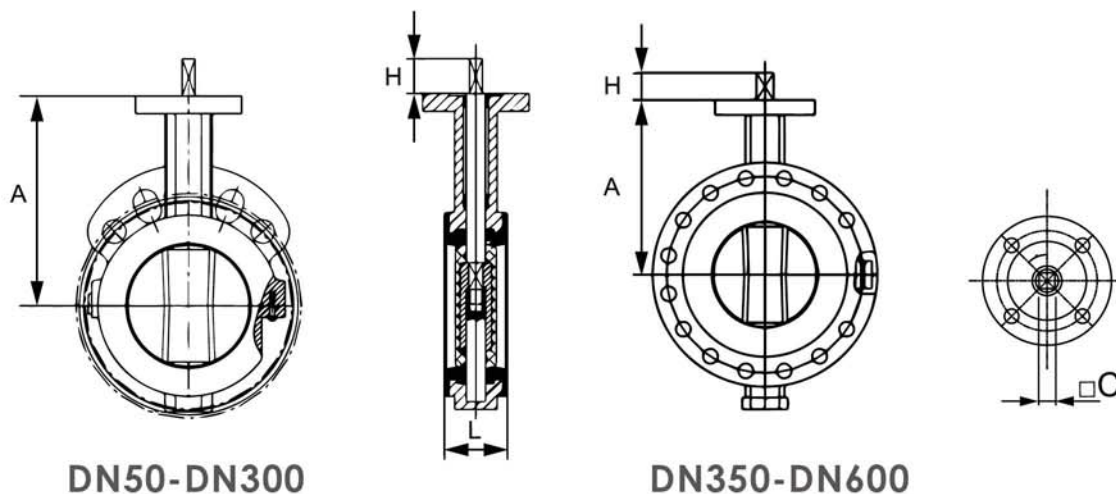
To use torque chart, note the following:

1. Including 30% Safety Factor.
2. Test medium: water / room temperature.

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WAFER TYPE DIMENSIONS

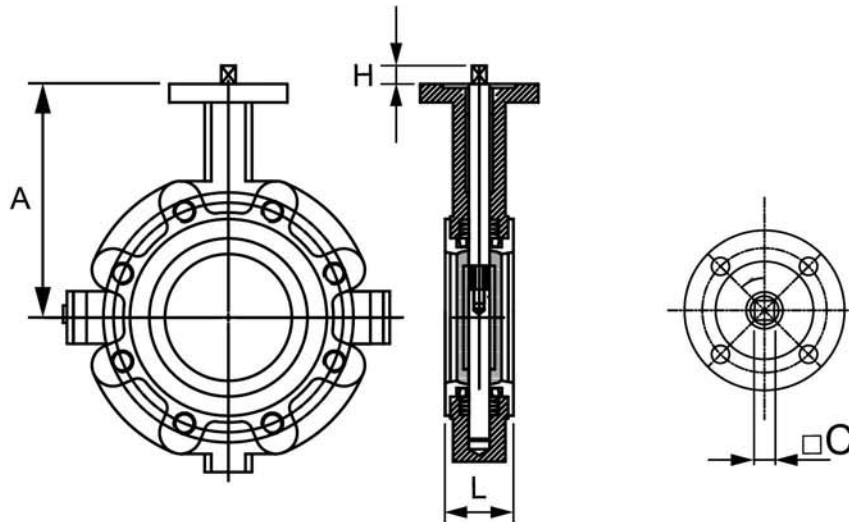


mm	inch	L	A	H	□C	ISO 5211	PCD
50	2	43	140	19	9	F05	50
65	2.5	46	150	19	9	F05	50
80	3	46	160	19	9	F05	50
100	4	52	178	19	11	F07	70
125	5	56	190	19	14	F07	70
150	6	56	200	19	14	F07	70
200	8	60	240	24	17	F10	102
250	10	68	273	24	22	F10	102
300	12	78	310	24	22	F12	125
350	14	78	346	29	22	F12	125
400	16	102	375	29	27	F14	140
450	18	114	406	38	27	F14	140
500	20	127	438	38	36	F16	165
600	24	154	495	48	36	F16	165

*Other dimensions please consult with Value Valves.

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LUGGED TYPE DIMENSIONS



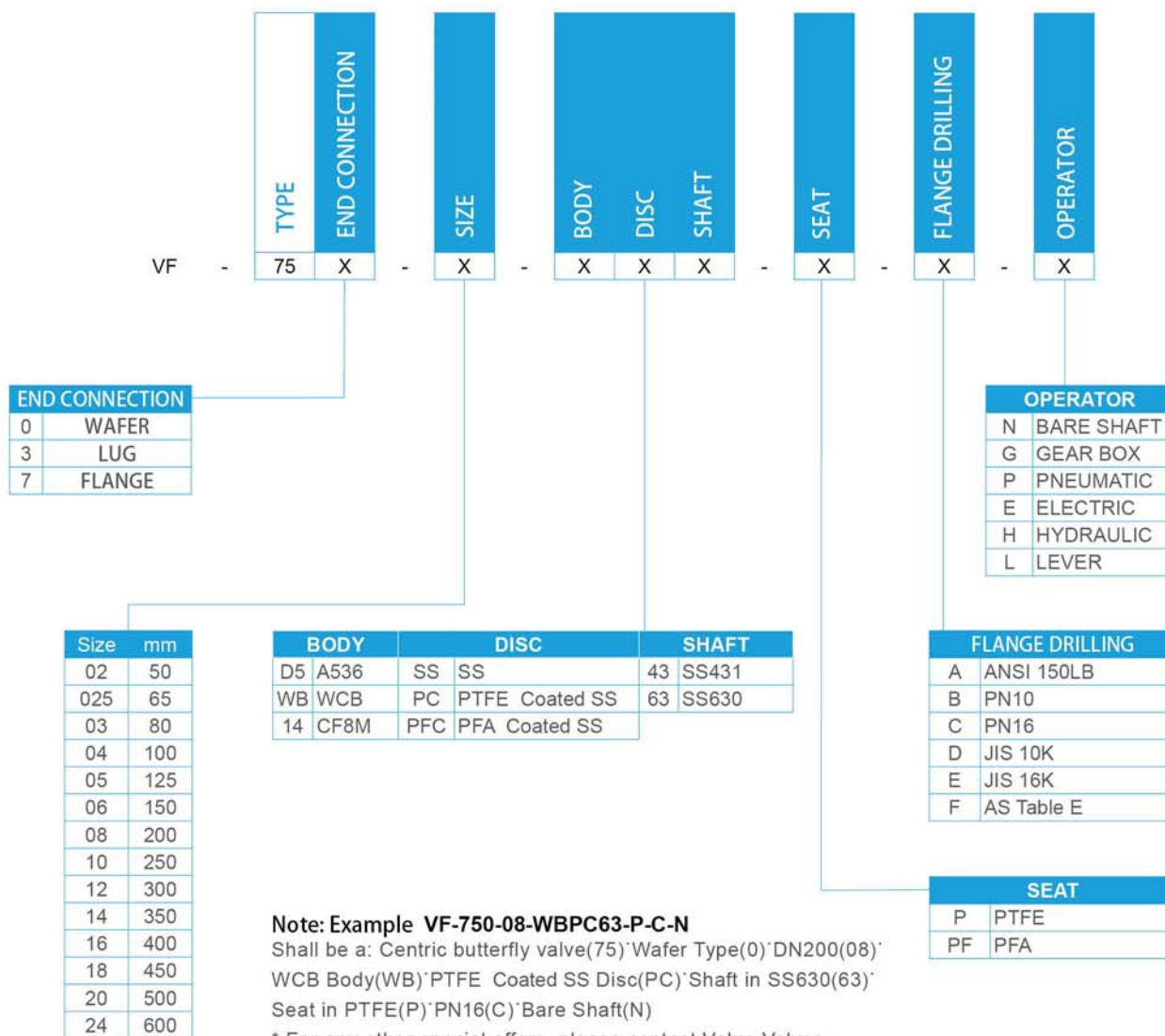
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General Ordering Information



VF-8 Series 136 inch
High Performance
Triple-Offset Butterfly Valves



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