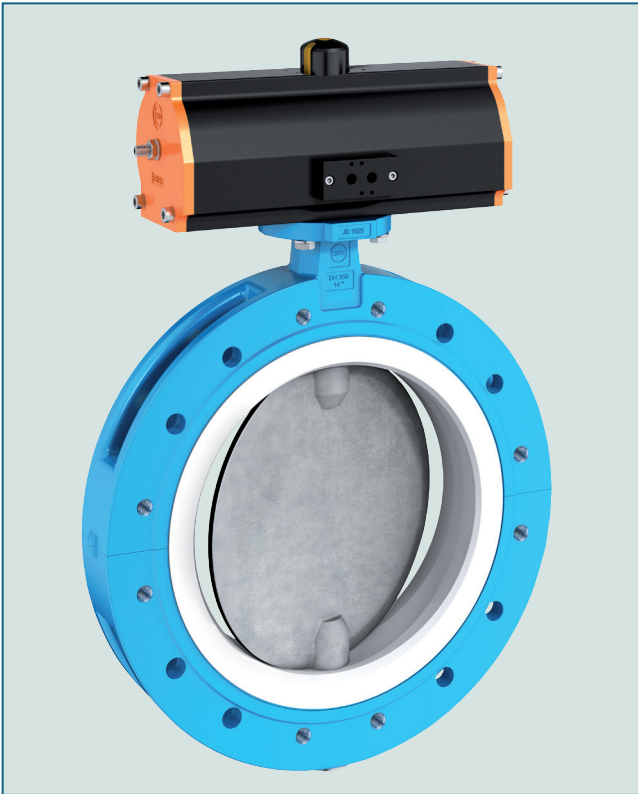


PTFE-LINED BUTTERFLY VALVE T 212-A



Double flanged PTFE-lined butterfly valve for shut-off and control services in the chemical industry.

TECHNICAL DATA

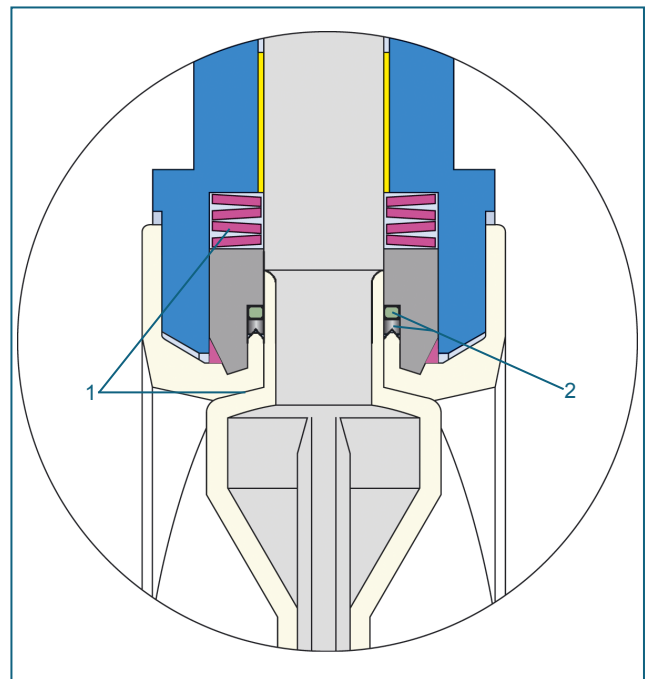
Nominal diameter:	14 inch - 36 inch
Face-to-face:	EN 558 Series 20 ISO 5752 Series 20 API 609 Table 1
Flange accommodation:	EN 1092 PN 10/16 ASME Class 150 ASME B16.47, Series A, Series B AS 4087
Flange Surface Design:	EN 1092 Form A/B ASME RF, FF
Top flange:	EN ISO 5211
Marking:	EN 19
Tightness check:	EN 12266 (Leakage rate A)
Temperature range:	-40°F to +392°F (depending on nominal diameter and operation pressure)
Operating pressure:	max. 87 psi (145 psi for special version)
Vacuum:	14 inch - 24 inch max. 200mbar absolut 28 inch - 36 inch max. 500mbar absolut (with silicon elastomer inserts)

FEATURES

- PTFE-lined butterfly valve for chemically toxic and highly corrosive media
- Environmental protection via EBRO-Safety seal
- Splitted body design
- Isolation height according to plant prescription
- Can be installed in any desired position
- Maintenance-free
- Can be disassembled, material-specific recycling possible
- Material conform to FDA to EG 1935/2004
- Optional: Special design RWTÜV certified to TA-Air/ VDI 2440

GENERAL APPLICATIONS

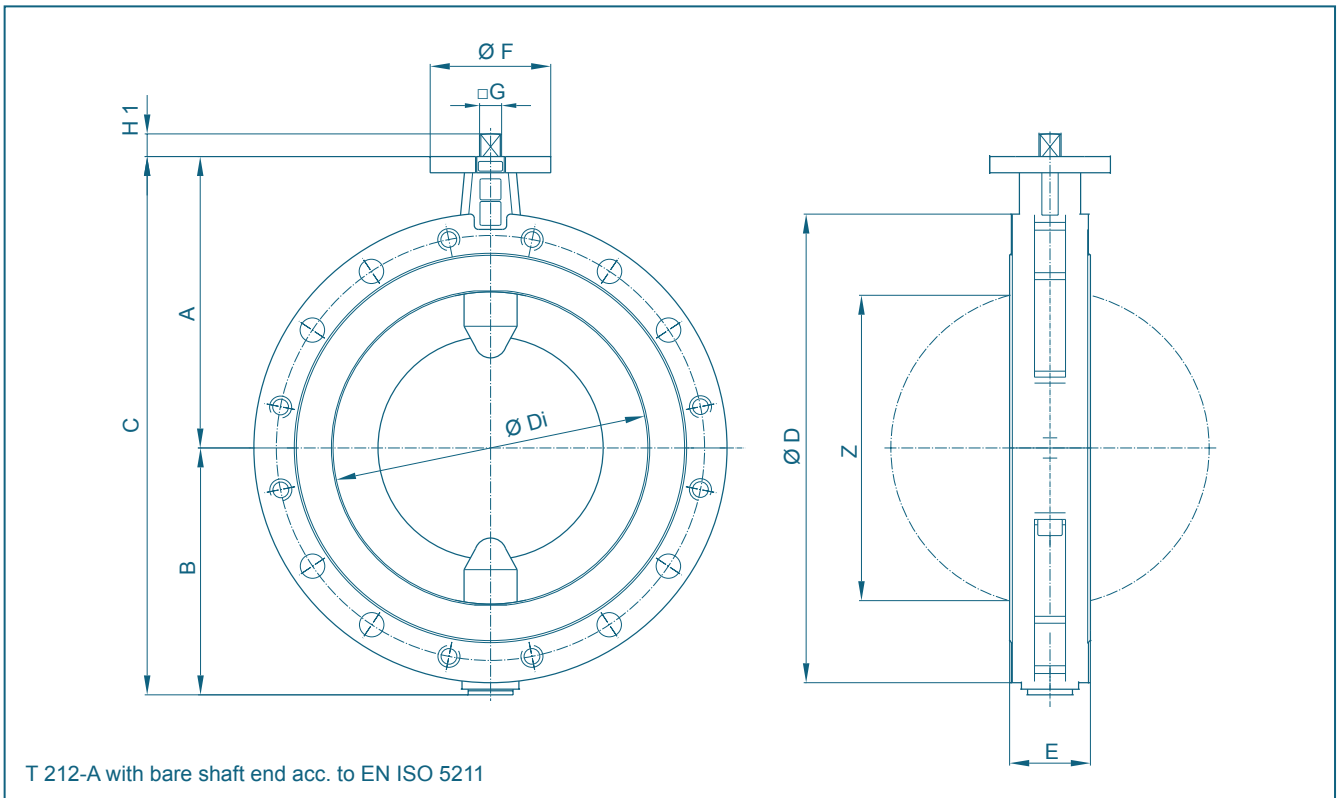
- Chemically highly corrosive and toxic media
- Purification plants
- Pharmaceutical industry
- Adhesives, paper industry, dissolver
- Paint manufacture and processing
- Food industry
- Chlorine production
- Processing of ore



Safety seal at both shaft ends:

1. Primary sealing by means of a bellville spring washer, transmitting prestress on the spherical segment area.
2. Secondary sealing of the shaft by means of PTFE-Chevron and o-ring.

PTFE-LINED BUTTERFLY VALVE T 212-A



DN [mm]	Size [in]	Dimensions [in]											Weight [lb]
		A	B	C	D	Di	E	F	Flange	G	H1	Z	
350	14	12.99	10.91	23.90	21.06	13.31	3.07(3.62)*	5.91	F12	1.06	1.14	12.87	149.90
400	16	14.17	12.01	26.18	22.83	15.31	4.02	5.91	F12	1.06	1.14	14.84	209.40
450	18	15.63	14.29	29.92	25.16	17.20	4.49	6.89	F14	1.42	1.50	16.65	286.60
500	20	17.20	15.35	32.56	28.15	19.29	5.00	6.89	F14	1.42	1.50	18.70	374.80
600	24	19.61	18.19	37.80	32.68	22.80	6.06	8.27	F16	1.81	1.89	22.05	595.20
700	28	22.83	19.53	42.36	36.50	26.61	6.50	8.27	F16	1.81	1.85	26.06	903.90
750	30	24.02	21.18	45.20	38.78	28.50	6.50	11.73	F25	2.83	4.25	28.03	1025.10
800	32	24.80	22.17	46.97	41.73	30.31	7.48	11.73	F25	2.83	4.25	29.88	1256.60
900	36	27.40	25.20	52.60	46.06	34.69	7.99	11.73	F25	3.15	4.33	33.82	1653.50

* Face to face dim. acc. to EN 558 Tab. 20 (3.62 inch)

Subject to change without notice

PTFE-LINED BUTTERFLY VALVE T 212-A

TORQUE [lb-ins]

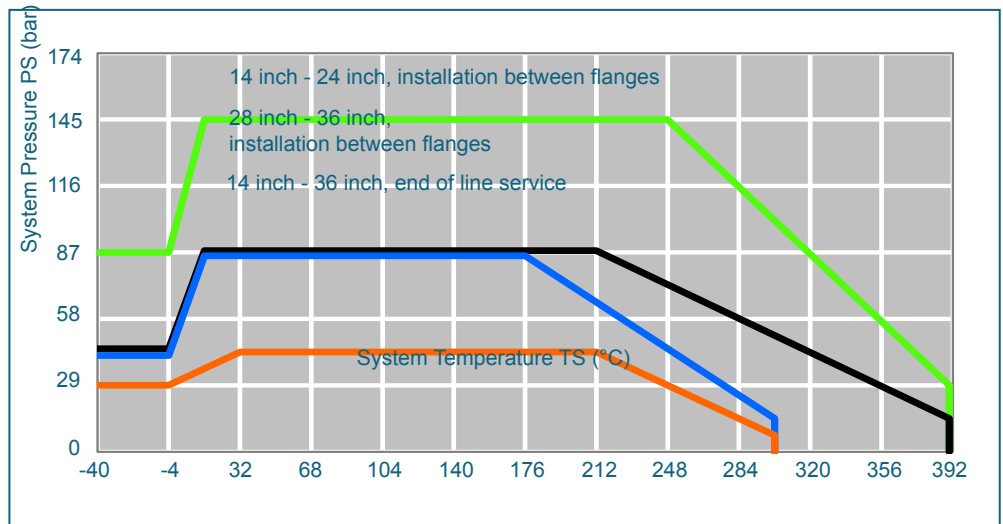
- The torque values specified (Md) are based on dry media and are measured with air at a temperature of 68°F
- The values specified are based on the initial breakaway torque (disc disengages from seat, torque then drops)
- Dynamic torque specification available upon request

Regarding the dimensioning of actuators, please contact our engineers.

DN [mm]	350	400	450	500	600	700	750	800	900
Size [in]	14	16	18	20	24	28	30	32	36
Md	6373	8674	10621	13276	22127	26552	30978	39829	53105

14 inch - 24 inch special design, installation between flanges

PRESSURE/TEMPERATURE DIAGRAM



K_V-VALUES

- The K_V-value [US Gallon per minute] is the flow of water at a temperature of 5°C to 30°C (41°F to 86°F) at Δp of 1 bar
- The K_V-values specified are based on tests carried out by the Delfter Hydraulics Laboratories, the Netherlands
- Permissible velocity of flow
V_{max} 4,5 m/s for liquids,
V_{max} 70 m/s for gases
- The throttle function is linear at an angle 30° to 70°

DN [mm]	Size [in]	Opening angle α°							
		20°	30°	40°	50°	60°	70°	80°	90°
K_V-values									
350	14	2122	2043	4588	9360	15960	23991	33052	42743
400	16	2761	2655	5966	12174	20760	31208	42990	55595
450	18	3478	3351	7525	15357	26184	39357	54217	70116
500	20	4284	4121	9264	18902	32229	48445	66739	86305
600	24	6138	5909	13279	27091	46195	69429	95648	123694
700	28	8326	8013	18008	36742	62648	94169	129726	167767
750	30	9541	9176	20627	42091	71780	107901	148654	192247
800	32	10844	10430	23436	47828	81563	122607	168916	218448
900	36	13693	13169	29596	60399	103001	154831	213310	275862

For further values, please contact our engineers.