



2/2-way Butterfly Valves Intermediate flange mounting

- Manually operated / automatable
- High flow rate
- Shaft and housing are non-wetted parts
- Low torque through self-lubricating bearing bush

Type 2671 can be combined with...



Type 2051

Pneumatic actuator



Type 2052

Pneumatic actuator



Type 3003

Electric actuator



Type 3005

Electric actuator



Type 3004

Electric actuator

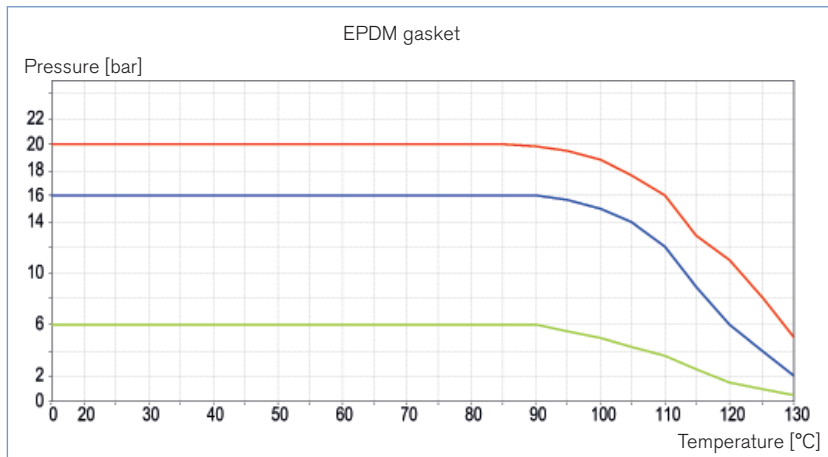
2/2-way shut-off butterfly valves, in metal for media streams.

There are different housing types and materials for diverse applications. They are used in the metal industry, power generation, pulp and paper, mining, shipbuilding, environmental engineering and mechanical engineering.

- Common shaft for self centering flap disc
- PFA-coated shaft in the sealing portion
- Blow-out proof shaft seal
- Spherically shaped flap disc actuated by Multiple grooves
- Self-centering for regular wear and low torque

Technical data	
Orifice	DN25 to 300
Body material	GG25 (GGG40 on request)
Body	Wafer
Seal material	EPDM (NBR, FKM on request)
Medium temperature	EPDM -10° C to 120° C (see Pressure/ Temperature chart p. 2)
Medium pressure	max. 16 bar (see Pressure/ Temperature chart p. 2)
Port connections	EN1092-1 & EN1092-2 ASME/ANSI B16.1 Class 125 ASME/ANSI B16.5 Class 150 (see chart p. 4)
ISO top flange	EN ISO 5211
Type	EN593
Considered standards	ISO 5752 Serie 20 EN 558 Serie 20 API609 Chart 2

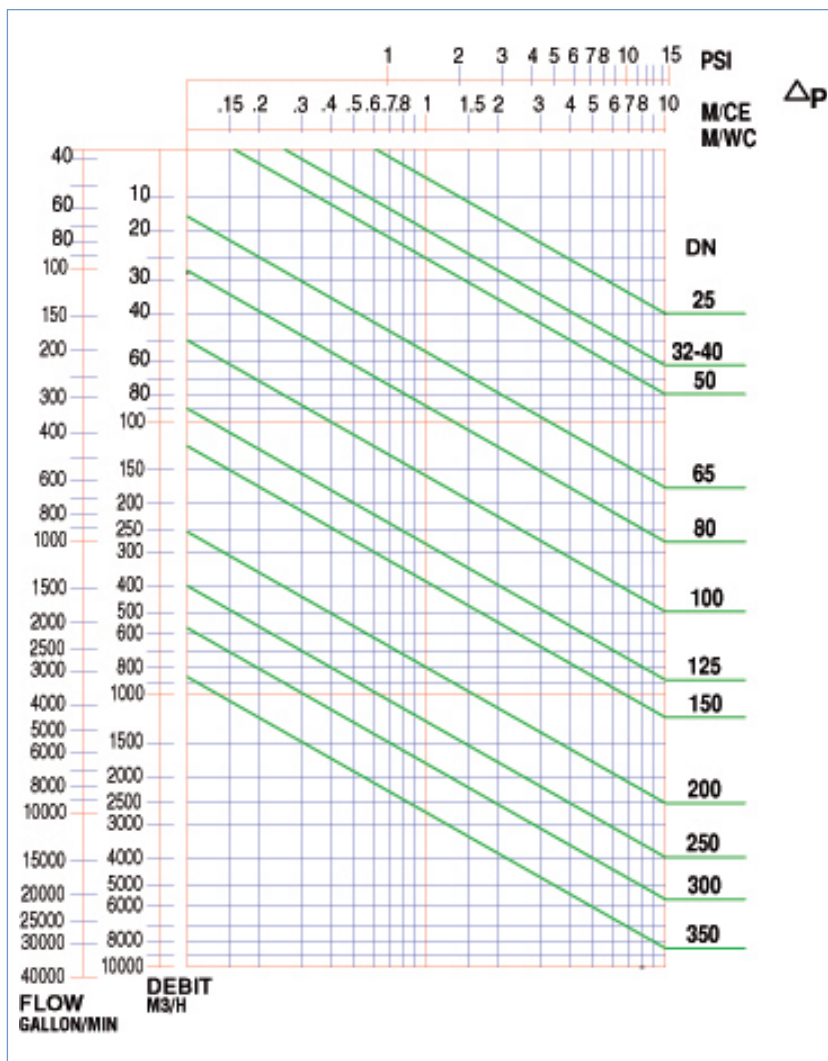
Pressure/Temperature diagramm



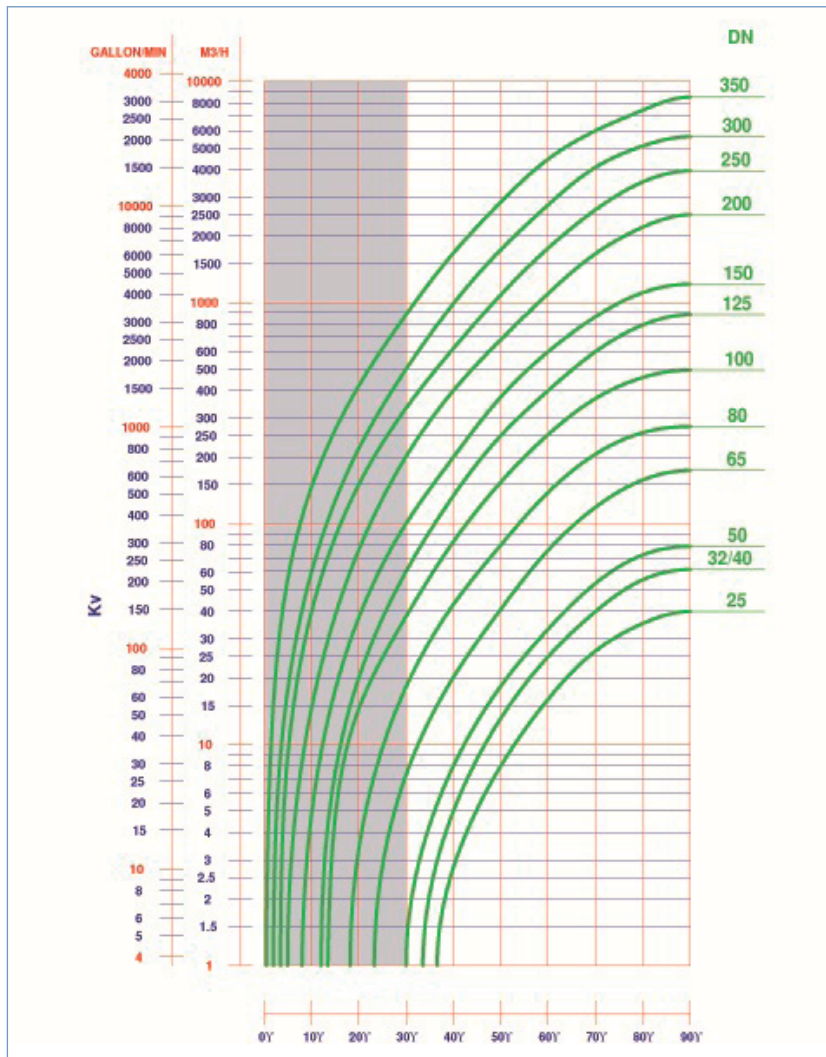
Torque [Nm] for water at 20 °C

Orifice [mm]	25	32	40	50	65	80	100	125	150	200	250	300
PN 6	10	10	10	10	10	20	22	40	45	100	200	280
PN 16	10	10	10	10	18	25	46	50	60	180	280	430

Pressure drop diagram for water at 20 °C



Flow rate Kv's [m³/h]



Orifice [mm]	10°	20°	30°	40°	50°	60°	70°	80°	90°
25	–	–	–	3	8	16	27	35	40
32/40	–	–	–	5	12	25	40	56	62
50	–	–	1	8	18	33	54	71	79
65	–	–	6	19	41	76	118	158	174
80	–	3	18	43	79	138	211	252	275
100	–	15	38	83	154	253	368	458	496
125	–	20	61	134	249	399	599	792	883
150	5	37	100	200	374	600	863	1109	1212
200	15	76	200	399	680	1099	1666	2196	2500
250	40	150	333	621	1084	1765	2652	3517	3948
300	60	219	500	989	1736	2770	4097	5118	5635

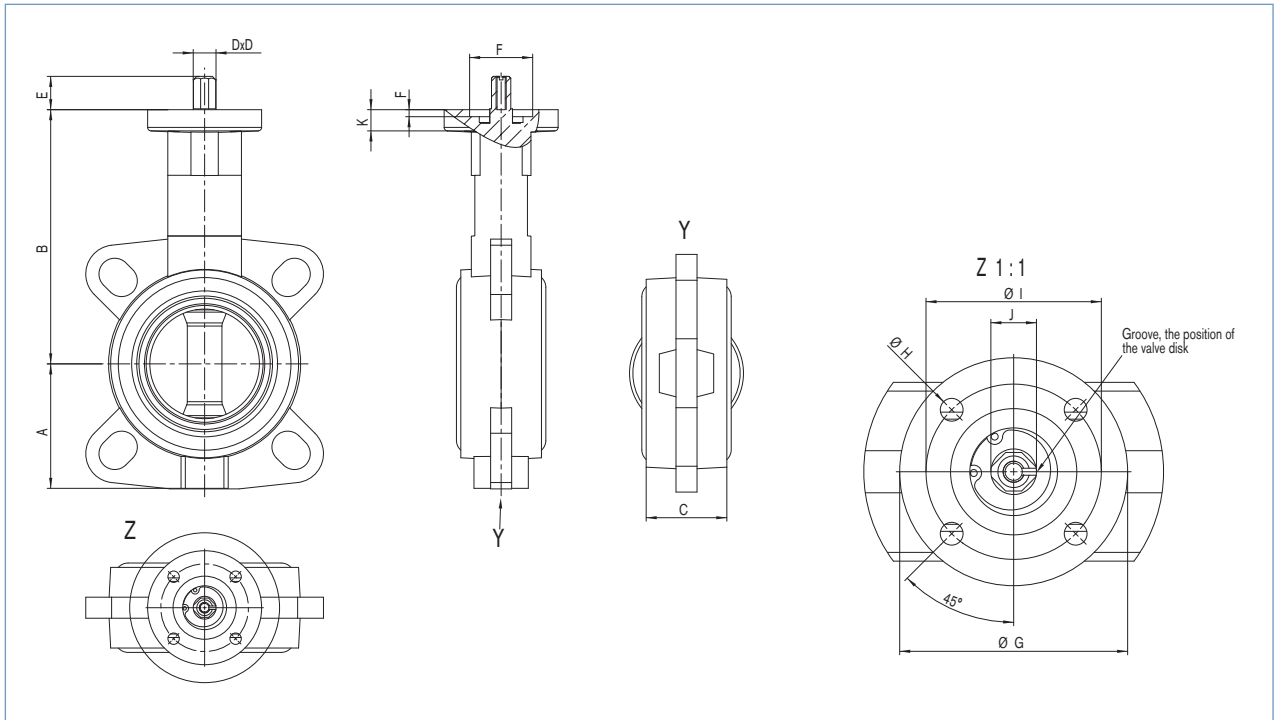
Kvs value [m³ / h] Nominal flow rate for water according to VDI / VDE 2173. Measurement at a medium temperature of 15 °C, 1 bar pressure at the inlet and free outlet.

A butterfly valve is not the best fitting for flow control. However, the butterfly valve can be used as a control valve at an opening angle between 30° and 90°. A regulation to an opening angle below 30° is not recommended due to high flow rates and cavitation, because this results in early damage of the valve.

The max. Flow rate of medium through the butterfly valve must not be exceeded:

- 3 m/s for liquid medium. The use between 3 and 5 m/s is possible, however, increases the risk of cavitation, noise, vibrations and pressure surges.
- 20m/s for Gas. The use between 20 and 25m/s is possible, however, increases the risk of cavitation, noise, vibrations and pressure surges.

Dimensions [mm]



Orifice	A	B	C	D	E	F	G	H	I	ISO 5211	J	K
25	50	125	32	11	16	36	65	6.5	50	F05	12	10
32	57	130	32	11	16	36	65	6.5	50	F05	12	10
40	57	130	32	11	16	36	65	6.5	50	F05	12	10
50	62	136	43	11	16	36	65	6.5	50	F05	12	12
65	70	145	46	11	16	36	65	6.5	50	F05	12	12
80	89	151	46	11	16	36	65	6.5	50	F05	12	12
100	106	175	52	14	19	56	90	8.5	70	F07	15	12
125	120	190	56	14	19	56	90	8.5	70	F07	15	12
150	131	203	56	14	19	56	90	8.5	70	F07	15	15,5
200	164	251	60	17	24	71	125	10.5	102	F10	20	16
250	200	276	68	22	24	71	125	10.5	102	F10	26	16
300	235	301	78	22	29	87	150	12.5	125	F12	26	16

Connection flange

Orifice		EN1092-1 & EN1092-2					ASME / ANSI B16.1 Class 125	ASME / ANSI B16.5 Class 150	ASME / ANSI B16.5 Class 300	BS10		JIS B2238 & JIS B2239		
		PN6	PN10	PN16	PN25	PN40				Table D	Table E	5 GP	10 GP	16 GP
25	1	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	No	yes	no
32	1 1/4	yes	yes	yes	yes	yes	yes	yes	yes	no	no	no	yes	no
40	1 1/2	yes	yes	yes	yes	yes	yes	yes	no	yes	yes	no	yes	no
50	2	yes	yes	yes	yes	yes	yes	yes	no	yes	yes	no	no	no
65	2 1/2	yes	yes	yes	yes	yes	yes	yes	no	no	no	yes	yes	no
80	3	yes	yes	yes	yes	yes	yes	yes	no	yes	yes	yes	no	no
100	4	yes	yes	yes	yes	yes	yes	yes	no	yes	yes	no	no	yes
125	5	yes	yes	yes	no	no	yes	yes	no	yes	yes	yes	yes	no
150	6	yes	yes	yes	no	no	yes	yes	no	yes	no	yes	yes	no
200	8	yes	yes	yes	no	no	yes	yes	no	no	no	no	no	no
250	10	yes	yes	yes	no	no	yes	yes	no	no	yes	yes	yes	no
300	12	yes	yes	yes	no	no	yes	yes	no	yes	yes	no	no	no

Ordering chart (other versions on request)

Orifice	Body material	Gasket	KVs [m ³ /h]	Weight without hand lever [kg]	Weight with hand lever [kg]	Item no. without hand lever	Item no. with hand lever
25	GG25	EPDM	40	1.6	2.4	770 959	255 059
32/40	GG25	EPDM	62	1.8	2.6	770 520	255 060
50	GG25	EPDM	79	2.5	3.3	770 961	255 061
65	GG25	EPDM	174	2.9	3.7	770 962	255 062
80	GG25	EPDM	275	3.2	4.0	770 963	255 063
100	GG25	EPDM	496	5.1	6.3	770 964	255 064
125	GG25	EPDM	883	6.5	7.7	770 517	255 065
150	GG25	EPDM	1212	8.0	9.2	770 966	255 066
200	GG25	EPDM	2500	13.9	16.8	770 516	255 067
250	GG25	EPDM	3948	20.6	23.4	770 968	255 069
300	GG25	EPDM	5635	22.2	25.6	770 881	255 070