

Technical data sheet

Butterfly valve with Lug types

- For open and closed cold and warm water systems
- For switching heat generators or cooling machines on/off



Type overview

Туре	DN []	DN ["]	kvmax [m³/h]	kvs [m³/h]	PN []		
D6200WL	200	8	2200	820	16		
D6250WL	250	10	4200	1300	16		
D6300WL	300	12	5700	1740	16		

Technical data

Func

ctional data	Fluid	Cold and warm water, water with glycol up to max. 50% vol.						
	Fluid temperature	-20120°C						
	Permissible operating pressure ps	1600 kPa						
	Leakage rate	tight, leakage rate A (EN 12266-1)						
	Angle of rotation	90°						
	Installation position	upright to horizontal (in relation to the stem)						
	Suitable connection flange	In accordance with ISO 7005-1 and EN 1092-1 In accordance with ISO 7005-2 and EN 1092-2 In accordance with DIN 2641 and DIN 2642						
	Servicing	maintenance-free						
Materials	Housing	EN-GJS-400-15 (GGG 40), polyester-powder coating						
	Closing element	stainless steel (1.4308)						
	Stem	stainless steel AISI 420 (1.4021)						
	Stem seal	EPDM O-ring						
	Stem bearing	Bronze, steel, PTFE						
	Seat	EPDM						

Safety notes



- The valve has been designed for use in stationary heating, ventilation and airconditioning systems and must not be used outside the specified field of application, especially in aircraft or in any other airborne means of transport.
- Only authorised specialists may carry out installation. All applicable legal or institutional installation regulations must be complied during installation.
- The valve does not contain any parts that can be replaced or repaired by the user.
- The valve may not be disposed of as household refuse. All locally valid regulations and requirements must be observed.
- When determining the flow rate characteristic of controlled devices, the recognised directives must be observed.
- The damper must be opened and closed slowly in order to avoid hydraulic shocks in the pipe system.
- The valve is not allowed to be operated without actuator or worm gear while flow is in the pipe. Without actuator or worm gear, the valve could close and cause damage (water hammer).

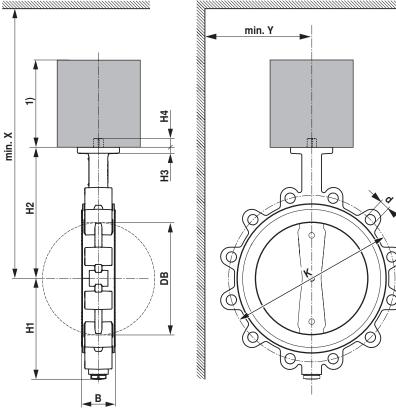


D6WL	Butterny valve with Lug types	BELIMO							
Product features									
Mode of operation	The butterfly valve is opened or closed completely by an open/close rotary actuator. Continuous rotary actuators are connected by a commercially available controller and move the valve to any position desired. The valve disk made of stainless steel is pressed into the soft-sealing EPDM seat by a rotary movement and ensures leakage rate A (tight). The pressure losses are slight in the open position and the kv value is at a maximum.								
Manual override	Manual throttling or isolation can be carried out with a worm gear (see «Accessories»). The worm gear with position indication is steplessly adjustable (self-locking).								
Accessories									
	Description	Туре							
Mechanical accessories	Worm gear for butterfly valves DN 125300	ZD6N-S150							
Installation notes									
Recommended installation positions Water quality requirements	The butterfly valves may be mounted upright to horizon not be installed in a hanging position i.e. with the spind	le pointing downwards. nust be adhered to.							
Servicing	 Butterfly valves and rotary actuators are maintenance-free. Before any service work on the final controlling device is carried out, it is essential to isolate the rotary actuator from the power supply (by unplugging the electrical cable if necessary). Any pumps in the part of the piping system concerned must also be switched off and the appropriate slide valves closed (allow all components to cool down first if necessary and always reduce the system pressure to ambient pressure level). The system must not be returned to service until the butterfly valve and the rotary actuator have been reassembled correctly in accordance with the instructions and the pipeline has been refilled by professionally trained personnel. To avoid a torque increase during off season shut down, exercise the butterfly valve (full open and close) at least once a month. 								
Flow setting									
Table: Valve opening / flow	DN 200 kv (m3/h) 10 60 170 330 540 820 1200 1640 20 DN 250 kv (m3/h) 10 100 280 530 850 1300 1920 2710 350	100% 1000 2200 1800 4200 1900 5700							



Dimensions / Weight

Dimensional drawings



The actuator dimensions can be found on the respective actuator data sheet.

Туре	DN	В	DB	H1	H2	H3	H4	d (PN16)	K (PN16)	Х	Υ	Weight
	[]	[mm]		[mm]	[mm]	[mm]						
D6200WL	200	60	195	175	260	15	19	12 x M20	295	500	300	16 kg
D6250WL	250	68	245	215	280	15	19	12 x M24	355	530	300	27 kg
D6300WL	300	78	293	247	325	15	19	12 x M24	410	580	300	43 kg

Further documentation

- The complete product range for water applications
- Data sheets for actuators
- · Installation instructions for actuators and/or butterfly valves
- General notes for project planning