

## Butterfly valves WX and WXS



Butterfly valve WX are designed for shutting off and regulating the flow of cold and hot water. They are used in heating systems, sewage systems and tap water systems (with a stainless steel disc). Short construction, low pressure losses and simple assembly allow for use wherever it is impossible to install a ball valve. The dampers are available in diameters DN50 - DN 300 with a cast iron disc or a stainless steel disc.

### Technical data:

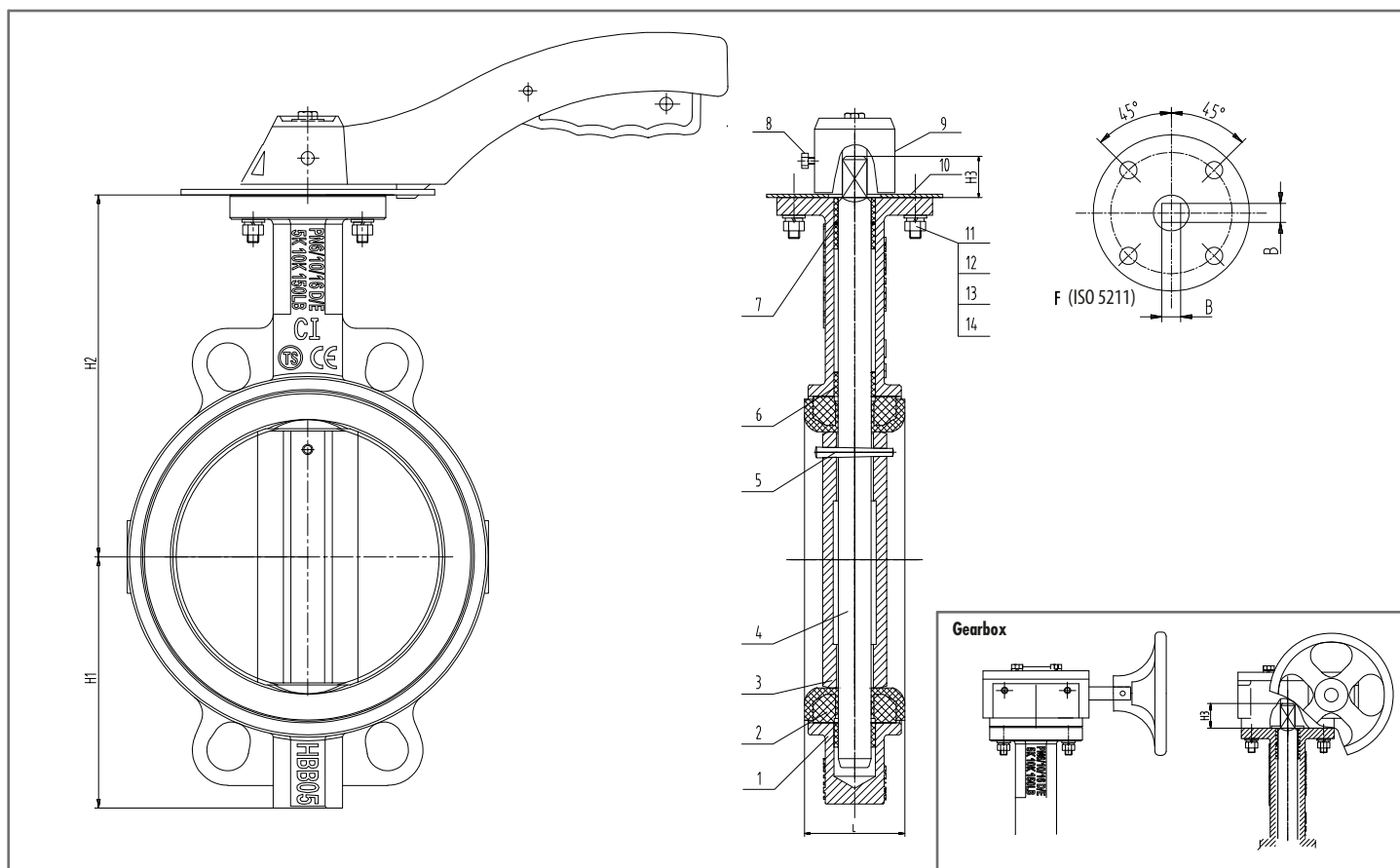
Body:	gray cast iron GG25 (for diameters DN250 and DN300 ductile iron)
Disc:	GGG40 ductile iron or AISI 316 stainless steel
Maximum pressure:	16 bar
Temperature range:	- 20 °C to 120 °C

Type	DN	Catalog number
Butterfly valve with handle <b>WX50</b> , with a cast iron disc	50	005061
Butterfly valve with handle <b>WX65</b> , with a cast iron disc	65	005062
Butterfly valve with handle <b>WX80</b> , with a cast iron disc	80	005063
Butterfly valve with handle <b>WX100</b> , with a cast iron disc	100	005064
Butterfly valve with handle <b>WX125</b> , with a cast iron disc	125	005065
Butterfly valve with handle <b>WX150</b> , with a cast iron disc	150	005066
Butterfly valve with handle <b>WX200</b> , with a cast iron disc	200	005067
Butterfly valve with gearbox <b>WX250</b> , with a cast iron disc	250	005068
Butterfly valve with gearbox <b>WX300</b> , with a cast iron disc	300	005069

Type	DN	Catalog number
Butterfly valve with handle <b>WX50S</b> , with a stainless steel disc	50	005081
Butterfly valve with handle <b>WX65S</b> , with a stainless steel disc	65	005082
Butterfly valve with handle <b>WX80S</b> , with a stainless steel disc	80	005083
Butterfly valve with handle <b>WX100S</b> , with a stainless steel disc	100	005084
Butterfly valve with handle <b>WX125S</b> , with a stainless steel disc	125	005085
Butterfly valve with handle <b>WX150S</b> , with a stainless steel disc	150	005086
Butterfly valve with handle <b>WX200S</b> , with a stainless steel disc	200	005087





\*for diameters DN 250 and DN 300 gearbox

## Dimensions

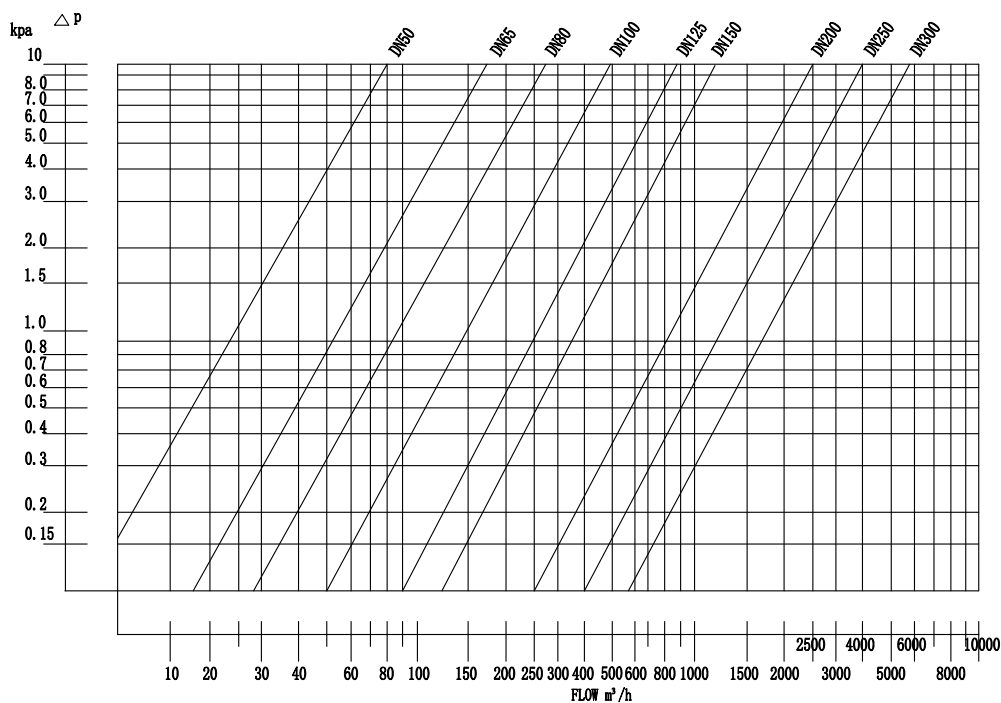
DN	Ø	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	B	F	Weight [kg]
50	2"	75	129	24	43	9	F05	2,7
65	2 1/2"	82	136	24	46	9	F05	3,2
80	3"	99	153	24	46	9	F05	3,6
100	4"	110	167	24	52	11	F07	5,3
125	5"	125	193	27	56	14	F07	6,5
150	6"	145	209	27	56	14	F07	7,7
200	8"	170	251	30	60	17	F10	12,9
250	10"	213	283	30	68	22	F10	26
300	12"	240	315	30	78	22	F10	35

## Material

Lp.	Part of butterfly valve	Material
1.	Body	cast iron GG25
2.	Seat	EPDM
3.	Disc	cast iron/stainless steel
4.	Stem	stainless steel
5.	Pin	stainless steel
6.	Bearing	composite polymer
7.	O-ring	EPDM
8.	Hex bolts	stainless steel
9.	Handle*	Aluminum
10.	Scale	galvanized steel
11.	Hex bolts	stainless steel
12.	Spring washer	stainless steel
13.	Nut	stainless steel
14.	Flat pad	stainless steel



Table of the pressure drop curve across the butterfly valve



kv valve at the disc position

DN	10°	20°	40°	40°	50°	60°	70°	80°	90°
50	0,05	2,6	6	13	23	38	60	90	99
65	0,09	5	10	21	39	64	102	153	168
80	0,17	8	15	33	60	99	157	236	259
100	0,26	15	31	67	119	197	312	468	514
125	0,43	25	52	114	203	336	531	797	876
150	0,69	39	81	176	314	518	821	1231	1353
200	1,7	76	161	350	623	1030	1631	2446	2687
250	2,6	129	274	595	1060	1754	2776	4164	4576
300	3	201	424	919	1638	2710	4289	6433	7069

The amount of torque needed to close or open the butterfly valve

Pressure		0.6MPa	1.0MPa	1.6MPa
Size				
DN50	2"	20.2	22.1	24.2
DN65	2½"	25.4	29.2	32.7
DN80	3"	38.7	41.1	43.7
DN100	4"	60.5	67.8	72.8
DN125	5"	89.3	101	108
DN150	6"	141	165	174
DN200	8"	250	297	330
DN250	10"	394	486	549
DN300	12"	559	699	799

