

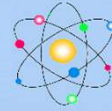
Range DN: 32 ~ 2000



PED 97/23/EC
PED 2014/68/EU



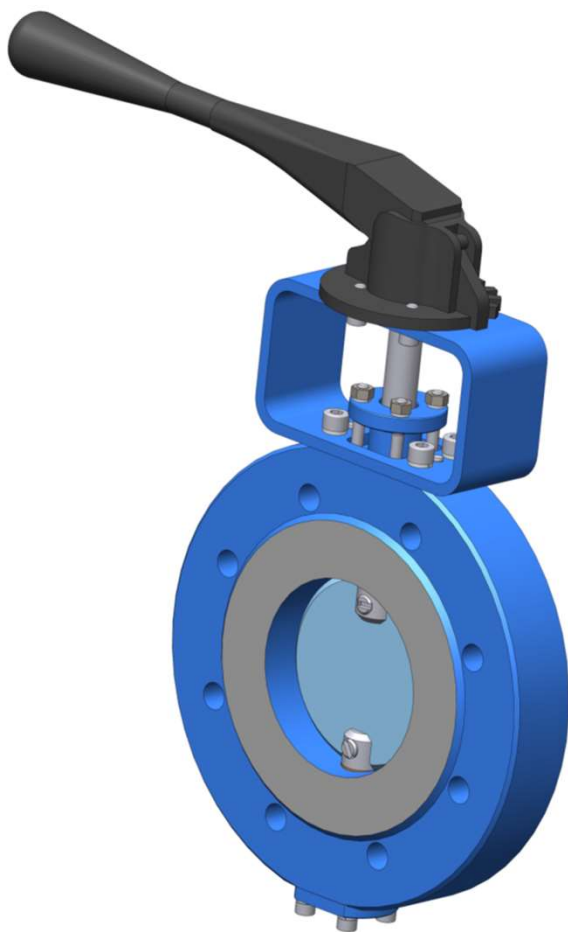
Range PN: 6 ~ 16



NUCLEAR
VERSION

Operating temperature : - 35 °C ~ + 350 °C

Connection into piping : Intermediate flanged



DESCRIPTION

L32.1/JE (centric) butterfly valves are purely regulatory fittings. They are designed to stop or allow the flow of the medium by external operation, via either the handwheel or the installed drive. The medium can flow in both directions. These regulatory butterfly valves are designed and manufactured to ensure maximum service life and reliability.

MATERIAL SPECIFICATION

Manufacture from carbon, corrosion resistant steel. The material type can be adjusted according to the customer's request to optimally suit the operating conditions

APPLICATION

Suitable for various liquids, gases and steam.
In nuclear energy moderate environment, seismic resistance class 1b.

BASIC STANDARDS FOR DESIGN

Basic design

EN 12516-2, EN 593, NTD ASI III

Pressure-temperature rating

EN 12516 - 1

Testing

EN 12266 - 1, 2

Face-to-face dimensions

EN 558

Special

NP-068-05, 329/2017 Sb.

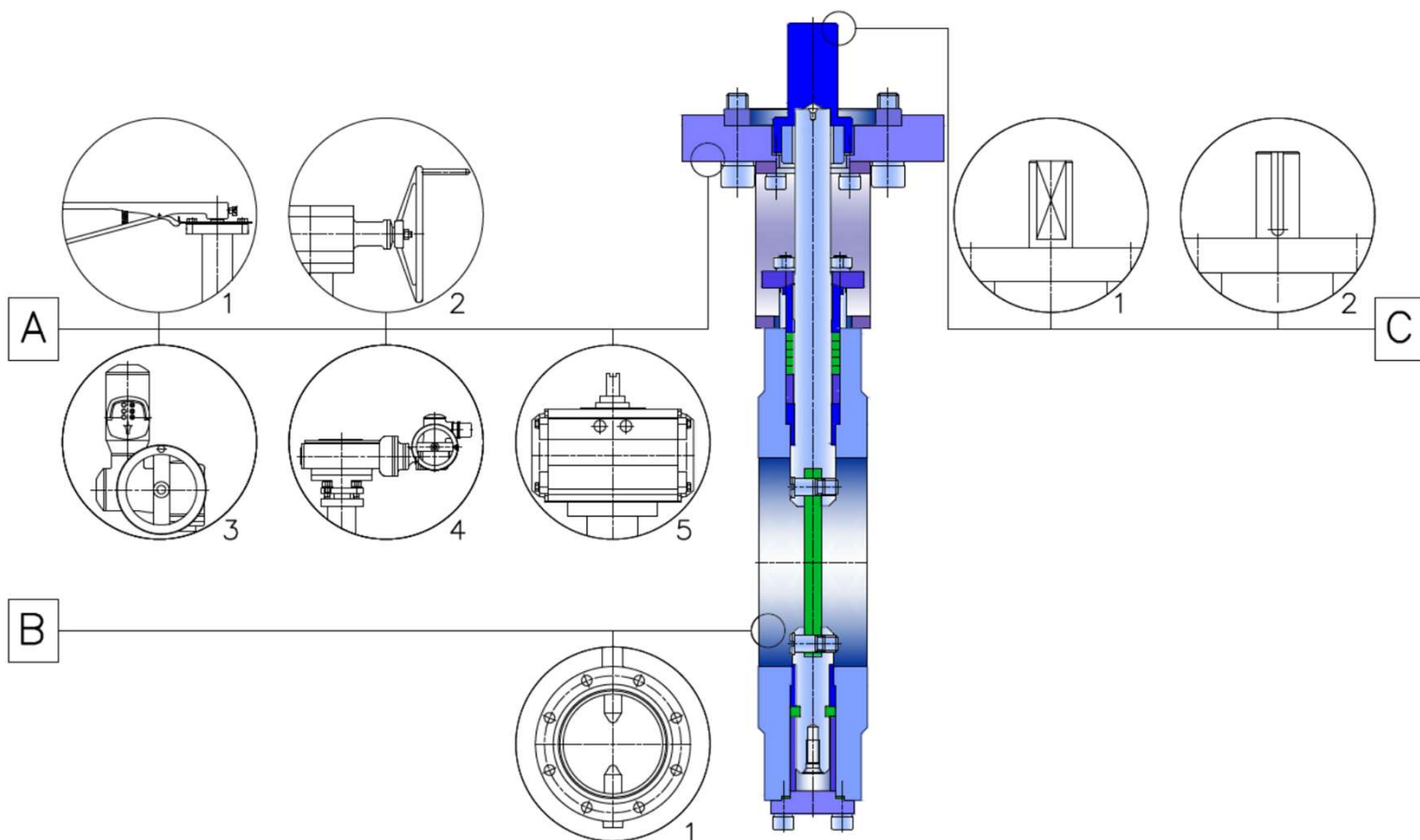
Top Flange dimensions

EN ISO 5211

Flange dimensions

EN 1759 - 1, EN1092 - 1

STRUCTURAL DESIGN



A - Control

- by hand lever for DN 40 up to DN 300 (for butterfly valves DN 200 and larger, a gearbox is recommended)
- by gear-box for DN 40 up to DN 600
- by electric actuator
- by electric actuator with gear-box
- by pneumatic actuator

B – Connection to piping

- intermediate flange type „LUG“

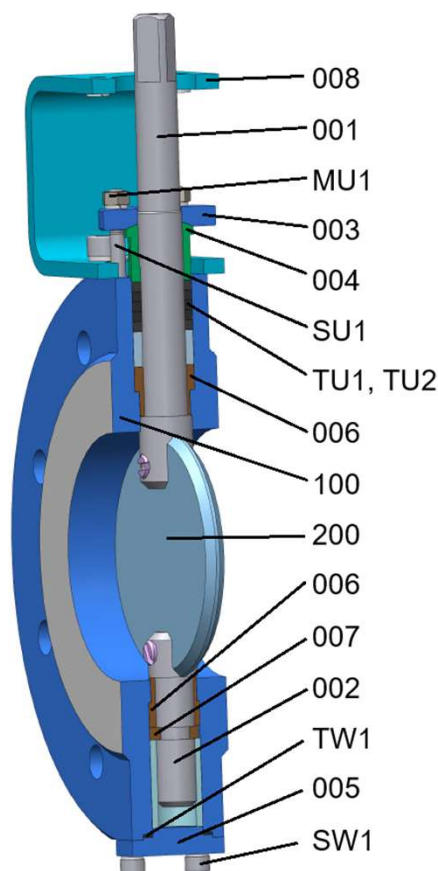
C – Stem execution

- stem with 2 contact surfaces
- stem with feather

ADVANTAGES OF THESE CENTRIC BUTTERFLY VALVES

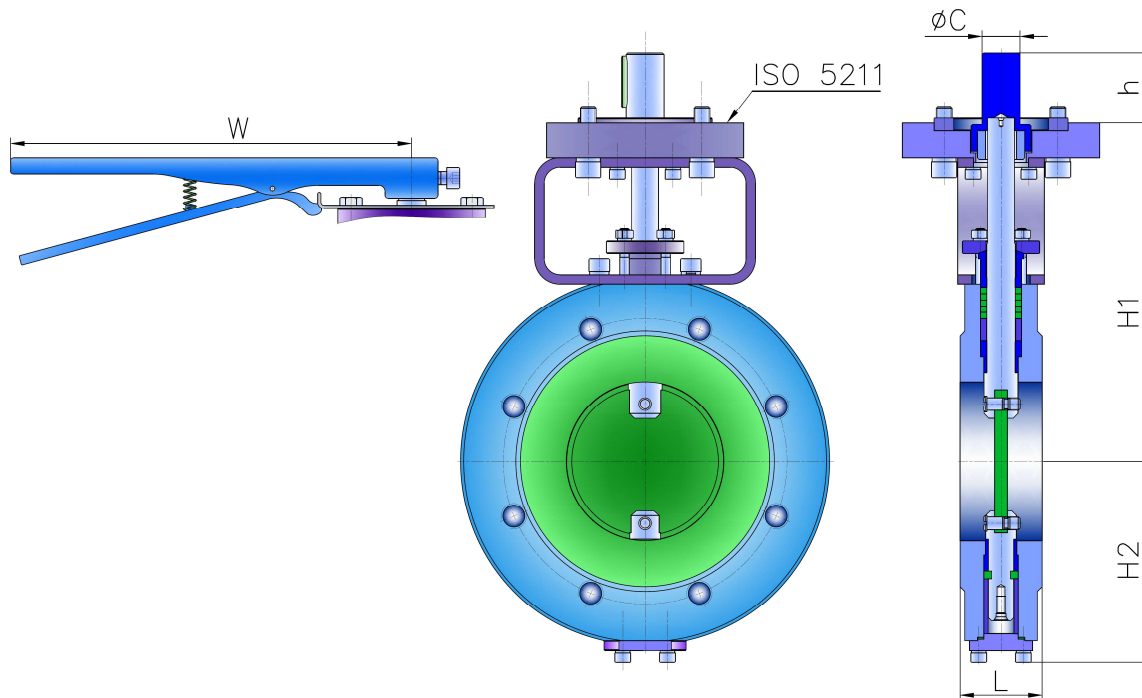
- More cost-effective compared to a control valve
- Very good corrosion resistance - the possibility of resealing the bushings with a secondary gasket – O-rings, so that the bushings do not come into contact with the medium
- The disc is self-centering using the bushings
- Low weight
- The control stem is secured by a supporting ring against being pushed out of the body
- Easy installation of each type of actuators
- Low pressure drop and minimal cavitation of the operating medium stream
- Possibility of regulation of the flow

MATERIAL SPECIFICATION



Pos.	Designation	Material	
		CARBON STEEL	STAINLESS STEEL
100	Body	P265 GH (1.0425) P355 GH (1.0473) 11 416	1.4541 (X6CrNiTi18-10) 1.4571 (X6CrNiMoTi17-12-2) 08CH18N10T
200	Disc	P265 GH (1.0425) P355 GH (1.0473) 11 416 12 022 12 024 12 040 C22 (E) C45 (E)	1.4541 (X6CrNiTi18-10) 1.4571 (X6CrNiMoTi17-12-2) 08CH18N10T 1.4301 (X5CrNi18-10) 1.4401 (X5CrNiMo17-12-2)
001 002	Control pin Guide pin	1.4057 (X17CrNi16-2) 1.4922 (X20CrMoV11-1) 1.4923 (X22CrMoV12-1) 14Ch17N2 17 134	
003 005	One-piece gland Bottom gland	P265 GH (1.0425) P355 GH (1.0473) 11 416	1.4541 (X6CrNiTi18-10) 1.4571 (X6CrNiMoTi17-12-2) 08CH18N10T
004 006 007	Pressure ring Bushing Divided ring	1.4541 (X6CrNiTi18-10) 1.4571 (X6CrNiMoTi17-12-2) 08CH18N10T	
008	Yoke	CARBON STEEL	STAINLESS STEEL
SW1 SU1	Bolts	15 320	A4-70(80) (A2-70(80), 1.4923, 1.4057, 1.4922, 1.4980, CHN35VT, 15320)
MU1	Nut	15 236	A4-70(80) (A2-70(80), 1.4923, 1.4057, 1.4922, 1.4980, CHN35VT, 15236)
TU1 TU2 TW1	Gaskets	EXPANDED GRAPHITE	

DIMENSIONS



FOR ALL PN					PN 6				PN 10				PN 16			
DN	Ø C	L	ISO 5211	h	Dmax	H1	H2	kg	Dmax	H1	H2	kg	Dmax	H1	H2	kg
32	11	33	F05	30	120	120	69	3,6	140	130	79	4,7	140	130	79	4,7
40	14	40	F07	35	130	125	75	5,8	150	135	85	7,2	150	135	85	7,2
50	14	43	F07	35	140	130	80	6,7	165	143	92	8,7	165	143	92	8,7
65	14	46	F07	35	160	140	90	8,4	185	153	102	10,8	185	153	102	10,8
80	16	46	F07	35	190	155	105	10,8	200	160	110	11,9	200	160	110	11,9
100	16	52	F07	35	210	165	115	13,6	220	170	120	15,0	220	170	120	15,0
125	19	56	F07	35	240	180	130	17,4	250	185	135	19,0	250	185	135	19,0
150	19	56	F07	35	265	193	142	19,3	285	203	152	23,1	285	203	152	23,1
200	19	60	F07	35	320	220	170	26	340	230	180	31	340	230	180	31
250	22	68	F10	45	375	268	199	40	395	278	209	46	405	283	214	49
300	28	78	F10	45	440	300	232	58	445	303	234	60	460	310	242	66
350	28	78	F10	45	490	325	257	64	505	333	264	72	520	340	272	79
400	38	102	F14	65	540	360	284	102	565	373	296	120	580	380	304	130
450	38	114	F14	65	595	388	311	129	615	398	321	146	640	410	334	168
500	40	127	F16	80	645	443	337	165	670	455	350	191	715	478	372	240
600	50	154	F16	80	755	498	392	242	780	510	405	278	840	540	435	370
700	55	165	F16	80	860	550	445	300	895	568	462	363	910	575	470	389
800	75	190	F25	110	975	668	505	471	1015	688	525	564	1025	693	530	589
900	75	203	F25	110	1075	718	555	548	1115	738	575	656	1125	743	580	685
1000	90	216	F25	110	1175	768	605	628	1230	795	633	806	1255	808	645	888
1200	90	254	F25	110	1405	883	720	979	1455	908	745	1203	1485	923	760	1339
1400	130	330	F35	180	1630	1035	836	1775	1675	1058	858	2073	1685	1063	863	2144
1600	140	360	F35	180	1830	1135	936	2138	1915	1178	978	2845	1930	1185	986	2976
1800	160	360	F35	180	2045	1243	1043	2476	2115	1278	1078	3126	2130	1285	1086	3270
2000	180	520	F40	200	2265	1383	1155	4358	2325	1413	1185	5245	2345	1423	1195	5535