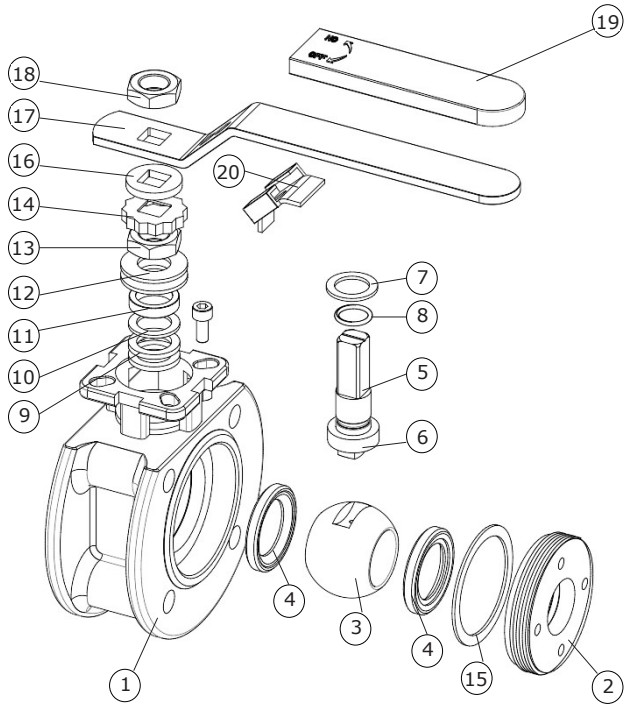
WAFER BALL VALVE

TYPE E7383

GENEREL

DIMENSION/PRESSURE:	DN15 - DN50 = PN40
	DN65 - DN150 = PN16
TEMPERATURE:	-30°C TO 200°C
(PRESSURE AND TEMPERATURE ARE INTERDEPENDENT)	
FLANGES:	EN 1092-1
MATERIAL:	ACID-PROOF STAINLESS STEEL
TOP FLANGE:	ISO 5211



POS	DESCRIPTION	MATERIAL
1	BODY	STAINLESS STEEL CF8M
2	END CAP	STAINLESS STEEL CF8M
3	BALL	STAINLESS STEEL CF8M
4	BALL SEATS	PTFE (TFM 1600)
5	STEM	STAINLESS STEEL AISI 316
6	ANTI-STATIC DEVICE	STAINLESS STEEL AISI 316
7	THRUST WASHER	PTFE
8	O-RING	FPM
9	STEM PACKING	PTFE
10	PACKING	50% STAINLESS STEEL + PTFE
11	GLAND	STAINLESS STEEL AISI 316
12	BELLEVILLE WASHERS	STAINLESS STEEL AISI 301
13	STEM NUT	STAINLESS STEEL AISI 304
14	STOP-LOCK CAP	STAINLESS STEEL AISI 304
15	BODY GASKET	PTFE
16	STEM WASHER	STAINLESS STEEL AISI 304
17	HANDLE	STAINLESS STEEL AISI 304
18	NUT	STAINLESS STEEL AISI 304
19	HANDLE SLEEVE	PVC
20	LOCKING DEVICE	STAINLESS STEEL AISI 304

DESCRIPTION

- **Solid full bore ball valve** with short face-to-face dimension. For mounting between flanges.
- **Inspection window** for control of the open/close function and the seal ring when actuator is installed directly onto the valve.
- **Full bore** resulting in no pressure loss through the ball valve.
- **Wax cast ball valve** in acid-proof stainless steel. The wax cast provides for an easy cleanable surface structure.
- **Integrated ISO 5211 top flange** and square stem making it quick and easy to install actuators without the use of brackets and couplings. This compact unit is inexpensive and gives fewer transitions = less slack.
- **Maintenance free stuffing box** with belleville spring washers, V-rings and O-ring, providing optimum sealing capabilities - even at changing temperatures.
- **Material certificate** 3.1/EN10204 on all valves. Fire safe design (not certified), EN 12266 class A, TA-luft, suitable for Atex area (Group II, equipment category 2).
  Food approvals: FDA, EC1935

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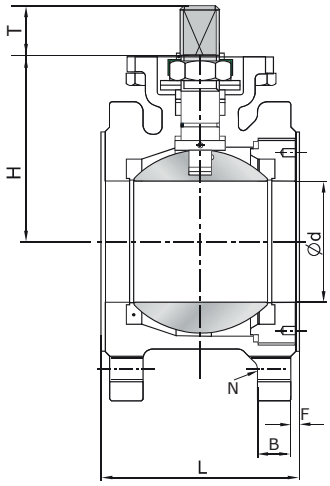
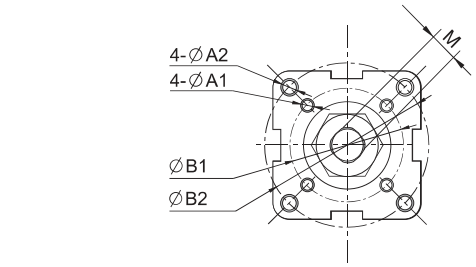
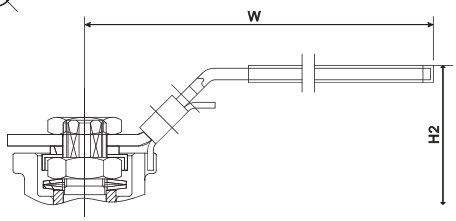
DIMENSIONS





DN100~DN150



DN15~DN80

DIM	VALVE WITH HANDLE								ISO TOP FLANGE					STEM	
[MM]	Ød	L	H	H2	W	N	B	F	ØB1	ØB2	ØA1	ØA2	ISO 5211	M	T
	[MM]													[MM]	
DN15	15.0	42	49	77	145	4xM12	9	2	36	42	4x6	4x6	F03/F04	9	9
DN20	20.0	44	55	82	145	4xM12	9	2	36	42	4x6	4x6	F04/F05	9	9
DN25	25.0	50	62	94	175	4xM12	9	2	42	50	4x6	4x7	F04/F05	11	11
DN32	32.0	60	72	104	175	4xM16	12	2	42	50	4x6	4x7	F04/F05	11	11
DN40	38.0	65	78	114	194	4xM16	13	3	50	70	4x7	4x9	F05/F07	14	14
DN50	50.0	80	86	120	194	4xM16	20	3	50	70	4x7	4x9	F05/F07	14	14
DN65	63.5	110	108	158	265	4xM16	18	3	70	102	4x9	4x11	F07/F10	17	17
DN80	76.0	120	116	165	265	8xM16	20	3	70	102	4x9	4x11	F07/F10	17	17
DN100	95.0	150	139	182	400	8xM16	20	3	-	102	-	4x11	F10	22	22
DN125	118.0	180	176	224	600	8xM16	22	3	-	125	-	4x14	F12	27	27
DN150	142.0	225	192	268	800	8xM20	22	3	-	125	-	4x14	F12	27	27

DIM	TORQUE * [NM]	Kv-VALUE [M³/H AT 1 BAR]	WEIGHT
[MM]	BREAK AWAY TORQUE	90° FULLY OPEN	[KG]
DN15	6.5	15	1.4
DN20	7.8	31	1.8
DN25	14.3	41	2.4
DN32	22.1	80	3.9
DN40	29.9	141	4.9
DN50	44.2	177	8.6
DN65	68.9	386	10.1
DN80	113.1	668	14.5
DN100	170.3	1165	22.7
DN125	353.6	1458	50.0
DN150	715.0	2228	70.0

* Torque figures include 30% safety factor. (TEST: 0bar diff. pressure, ambient temperature, non-lubricating).

PRESSURE / TEMPERATURE