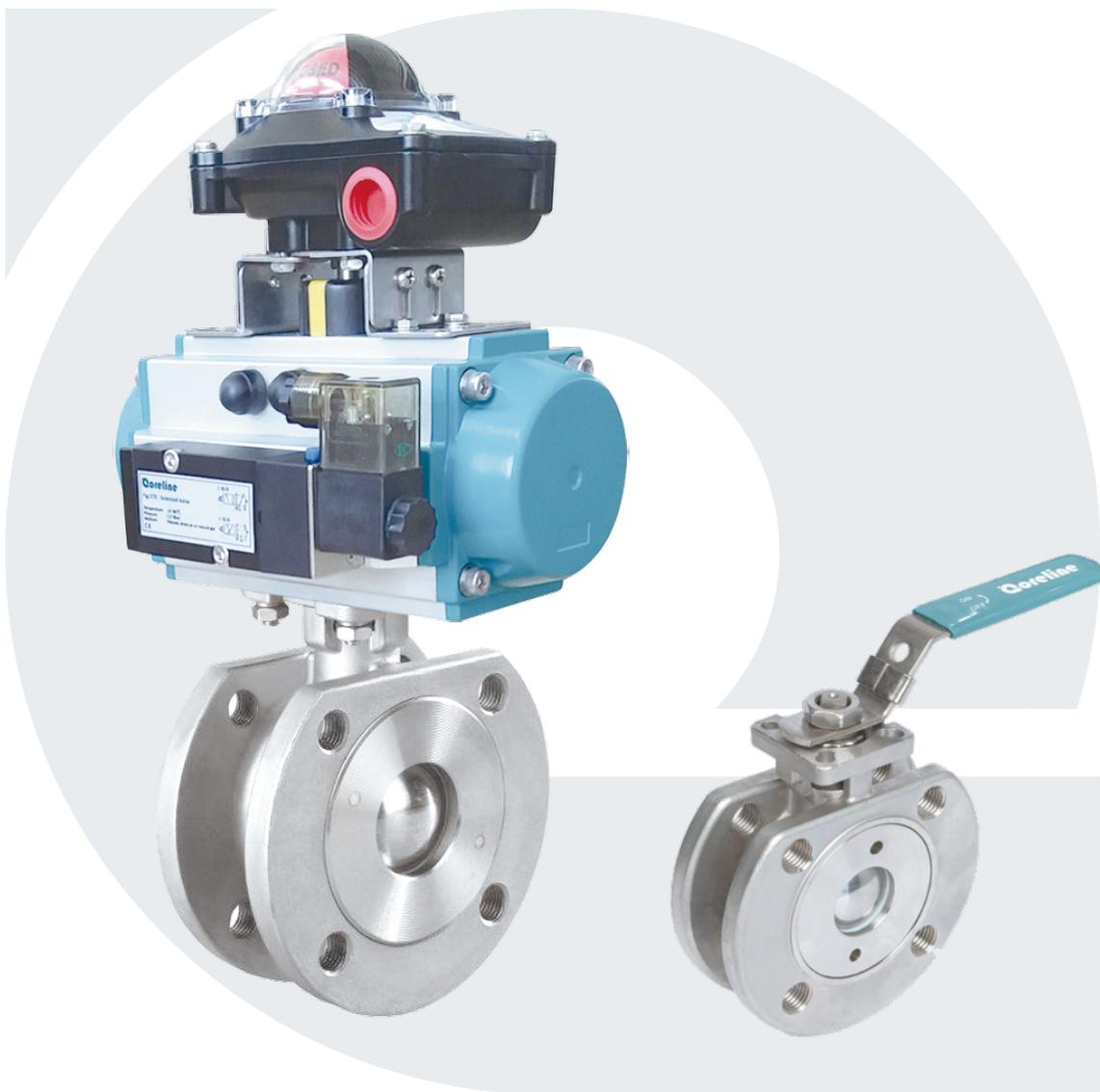
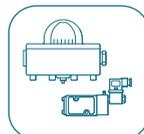
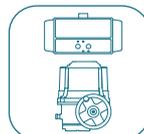
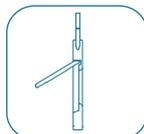
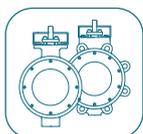
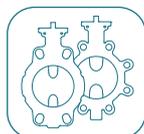


## Wafer ball valve

Fig.170



[www.coreline.dk](http://www.coreline.dk)



# Fig.170 wafer ball valve with ISO mounting pad

## Features

- Wax casting with excellent surface finish.
- Full bore for better Kv value.
- Anti-static devices for ball - stem - body.
- Blow-out proof stem.
- Pressure relief hole in ball slot.
- ISO5211 direct mounting pad for easy automation.



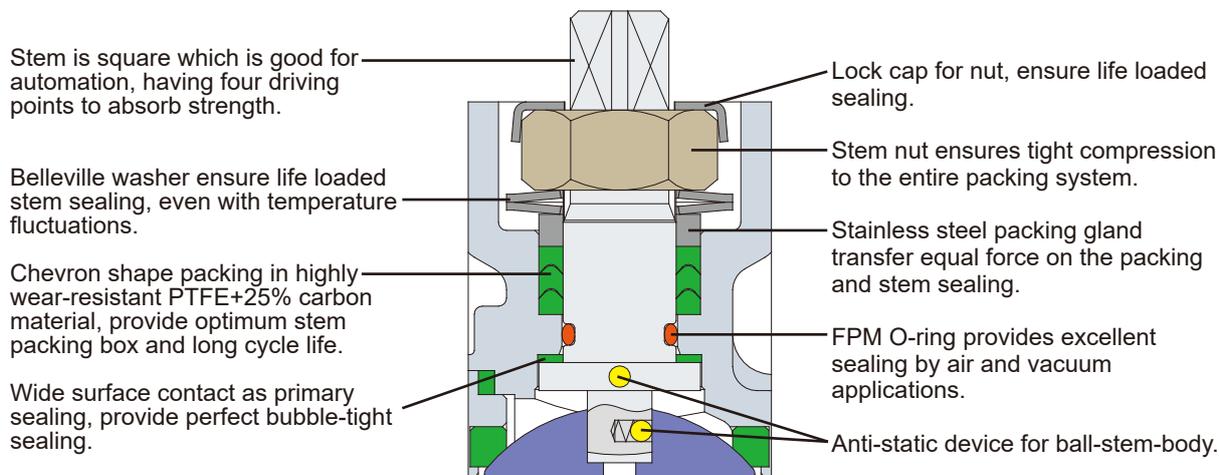
## Specifications

Connection:	Flanged ends according to EN1092-1
Size range:	DN15 to DN150
Pressure rating:	DN15-DN50: PN16/PN40 DN65-DN150: PN16
Body:	Stainless steel 316, carbon steel
Ball/stem:	Stainless steel 316
Seat:	PTFE
Top flange:	ISO5211
Tightness:	ANSI/FCI 70-2 - Class VI ISO 5208 / EN 12266-1 - Rate A API 598 - Bubble-tight

\* Other materials or end connection are available on request.

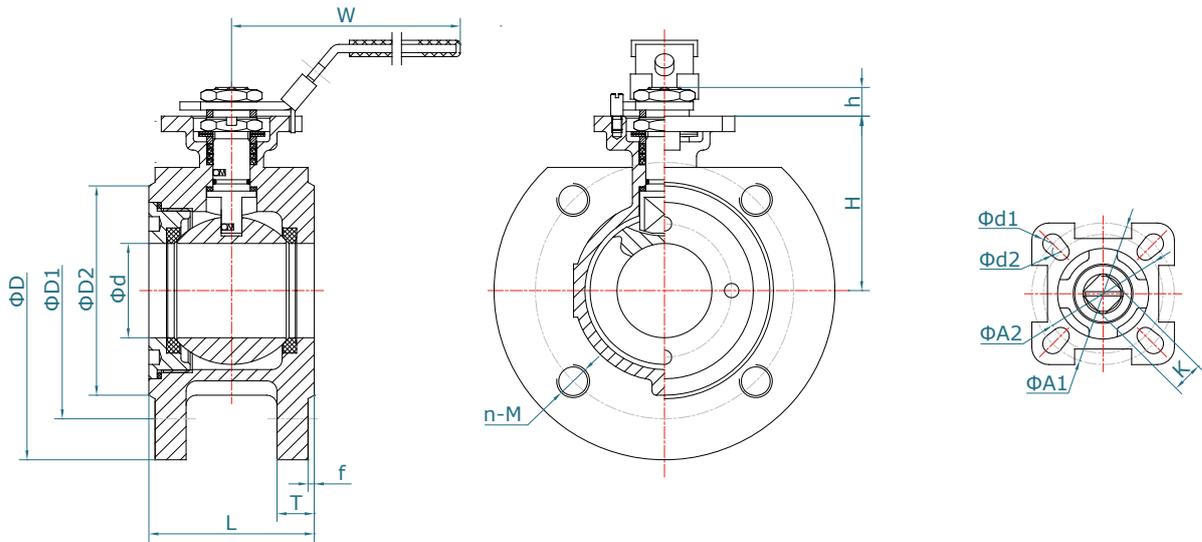


## Stem sealing system



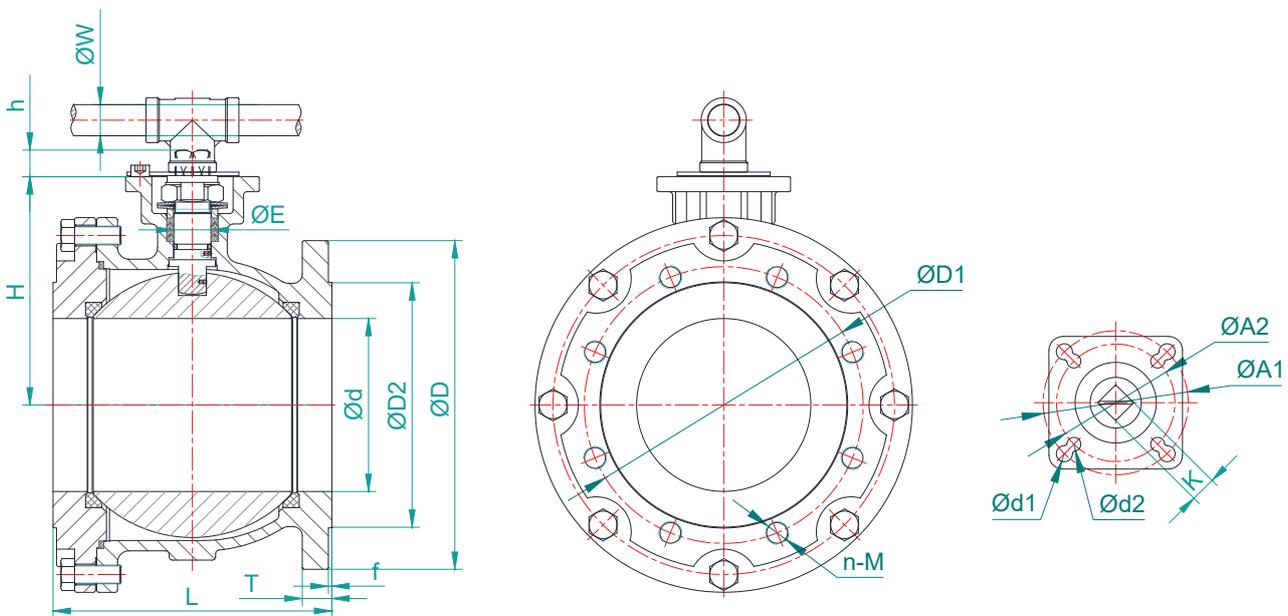
# Fig.170 wafer ball valve with ISO mounting pad

## Dimensions DN15 - DN100



Size		Valve with handle										Mounting flange						Stem	
INCH	DN	d	L	H	W	D	D1	D2	T	f	n-M	ISO5211	A1	d1	ISO5211	A2	d2	K	h
1/2"	15	15	42	54	135	82	65	45	16	2	4-M12	F04	42	6	F03	36	6	9	9
3/4"	20	20	44	59	135	98	75	58	16	2	4-M12	F04	42	6	F03	36	6	9	9
1"	25	25	50	65	175	115	85	68	16	2	4-M12	F05	50	7	F04	42	6	11	11
1 1/4"	32	32	60	75	175	140	100	78	18	2	4-M16	F05	50	7	F04	42	6	11	11
1 1/2"	40	38	65	83	220	150	110	88	18	3	4-M16	F07	70	9	F05	50	7	14	15
2"	50	50	82	93	220	165	125	102	18	3	4-M16	F07	70	9	F05	50	7	14	15
2 1/2"	65	65	103	107	300	185	145	122	18	3	4-M16	F10	102	11	F07	70	9	17	18
3"	80	76	120	117	300	200	160	138	20	3	8-M16	F10	102	11	F07	70	9	17	18
4"	100	100	150	128	300	220	180	158	20	3	8-M16	F10	102	11	F07	70	9	17	18

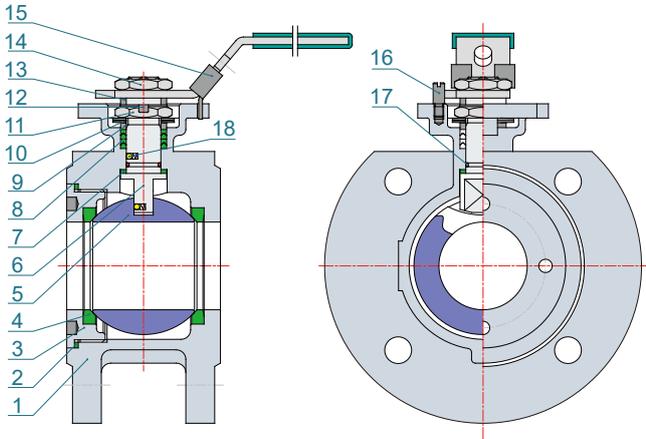
## Dimensions DN125 - DN150



Size		Valve with handle										Mounting flange						Stem		
INCH	DN	d	L	H	D	D1	D2	E	W	T	f	n-M	ISO5211	A1	d1	ISO5211	A2	d2	K	h
5"	125	125	196	190	250	210	188	32	27	22	3	8-M16	F12	125	14	F10	102	11	22	24
6"	150	150	234	198	285	240	212	32	27	22	3	8-M20	F12	125	14	F10	102	11	22	24

# Fig.170 wafer ball valve with ISO mounting pad

## Material part list, technical data



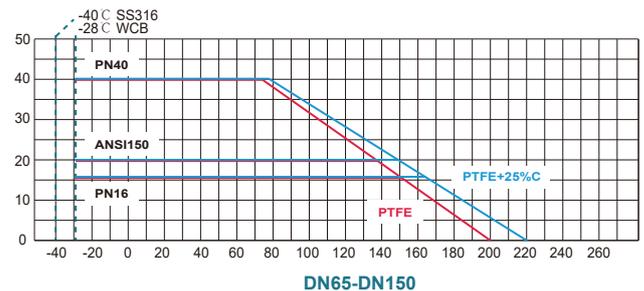
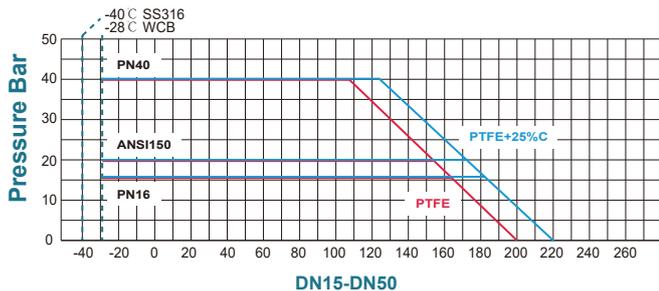
No.	Part name	Material		
		A351 CF8	A351 CF8M	A216 WCB
1	Body	A351 CF8	A351 CF8M	A216 WCB
2	Gasket	PTFE		
3	Bonnet	A351 CF8	A351 CF8M	A216 WCB
4	Seat	PTFE		
5	Ball	AISI304	AISI316	AISI304
6	Stem	AISI304	AISI316	AISI304
7	Stem washer	PTFE		
8	V-ring packing	PTFE		
9	Gland	AISI304		
10	Belleville washer	AISI304		
11	Nut	AISI304		
12	Stop lock cap	AISI304		
13	Washer	AISI304		
14	Nut	AISI304		
15	Handle	AISI201		
16	Stop bolt	AISI304		
17	O-ring	FPM		
18	Anti-static device	AISI304		

Size		1) Break away torque	2) Kv - 90°	Weight
INCH	DN	[Nm]	[m³/h]	[kg]
1/2"	15	6.5	10	1.1
3/4"	20	9.1	27	1.8
1"	25	13	48	2.5
1 1/4"	32	20.2	70	3.9
1 1/2"	40	28.6	120	5.2
2"	50	38.4	205	6.7
2 1/2"	65	68	270	11.5
3"	80	112	495	15
4"	100	160	870	20.5
5"	125	340	1320	45
6"	150	680	1960	64

1) The torque value is including a safety factor of 1.3 at max. pressure rating, clean water, PTFE sealing.

2) Kv-valve rated flow coefficients (m³/h at 1 bar ΔP)

## Pressure temperature curve



### Remark:

The pressure-temperature curve above represents the theoretical performance of PTFE and PTFE+25% carbon materials. However, actual pipeline conditions may impact the valve's overall performance. Please evaluate and consider the specific application conditions comprehensively.

# Coreline

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