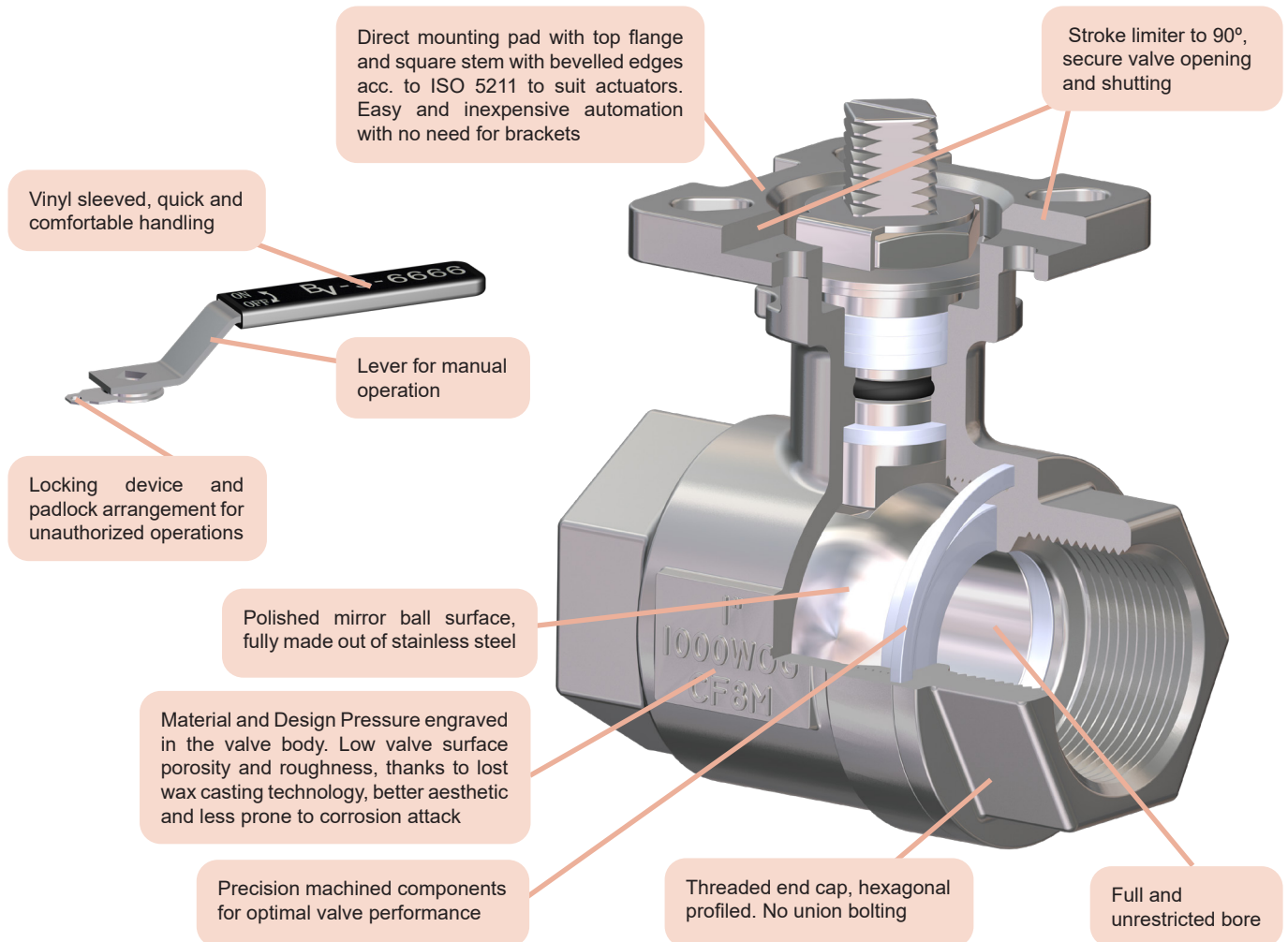


## 2 pcs. Floating Ball Valves - Direct Mounting

These are floating type, quick closing 90° rotary 2 pcs. ball valves, bidirectional, with tightness achieved by friction of the ball blind ends to the seats, devised for stopping the flow of the service fluid when necessary and not being suitable for regulation purposes. Valve closes by turning the handle lever clockwise. Their lost wax casting technology and stainless steel/PTFE construction provides an excellent surface finish and a wide range of applications. They are designed for quick and easy automation when required.



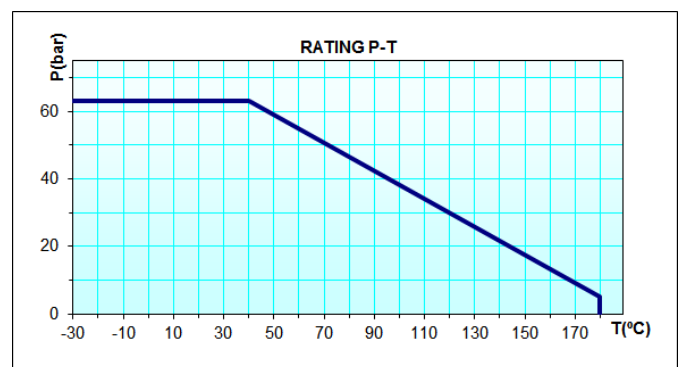
### Main Features

Nominal Pressure: PN63  
 Valve end connections: Pipe thread in acc. to DIN259, ISO228 CLASS A  
 Top flange: ISO 5211  
 Marking: EN 19  
 Pressure Tests: EN 12266-1  
 Seat leakage rate: Rate A (full seat tightness in both directions)

### Main Duties / Limits of use

Liquids and gases compatible with materials of construction  
 Questions referring to chemical resistance, please consult us

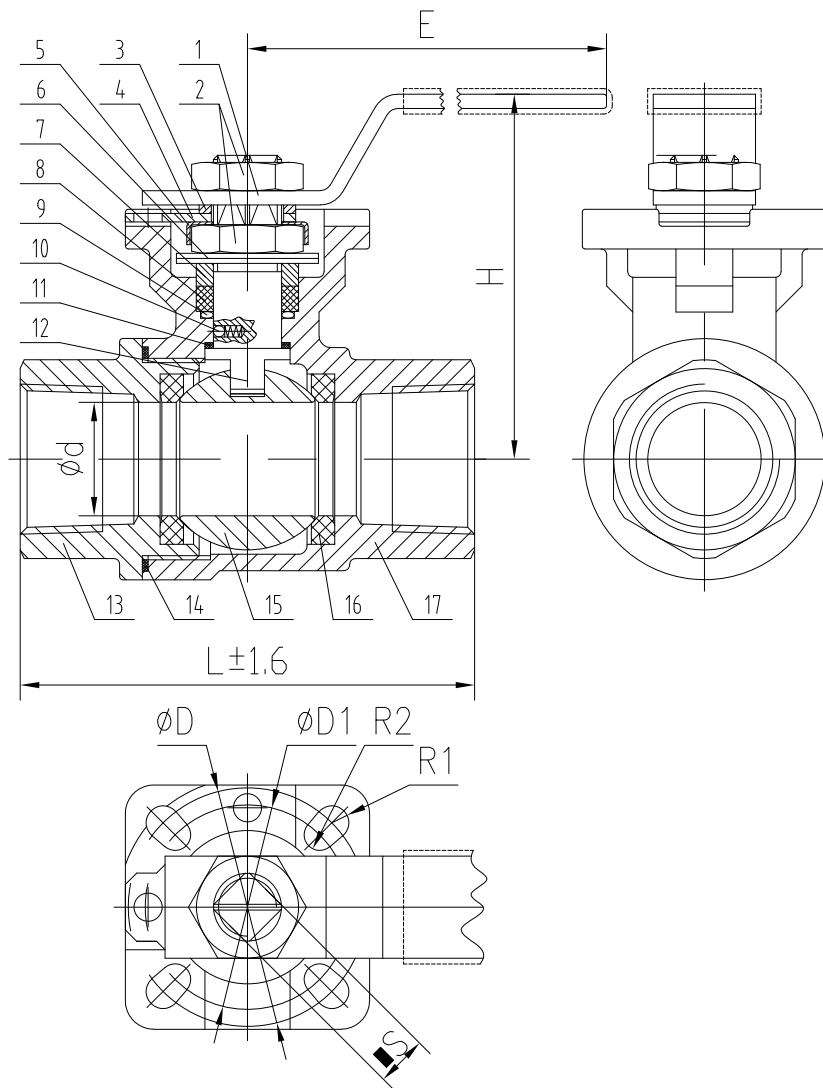
<b>PS max</b>	63 bar	<b>TS</b>	40°C / -30°C
<b>PS</b>	5 bar	<b>TS max</b>	180°C / -30°C



### Options

Other designs and approvals, limit switches, different actuation. Please consult us

## Main Parts and Materials



Nº	PART	MATERIAL
1	HANDLE	St. steel 201
2	NUT	St. steel 304
3	SQUARE WASHER	St. steel 304
4	LIMIT STOP	St. steel 304
5	STOP-LOCK-CAP	St. steel 304
6	BELLEVILE WASHER	St. steel 304
7	BUSHING	St. steel 304
8	PACKING	PTFE
9	O-RING	NBR
10	ANTI-STATIC DEVICE	St. steel 316
11	THRUST GASKET	PTFE
12	STEM	St. steel 316
13	CAP	St. steel CF8M
14	GASKET	PTFE
15	BALL	St. steel 316
16	SEAT	PTFE
17	BODY	St. steel CF8M

## 2 pcs. Floating Ball Valves - Direct Mounting

### Main Valve Parameters

DN	mm	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
NPS		15	20	25	32	40	50	65	80	100
MAIN DIMENSIONS	L	65	80	90	95	105	120	185	205	240
	Ød	15	20	25	32	38	49	65	76	96
	ISO 5211	F03-F04	F03-F04	F04-F05	F04-F05	F05-F07	F05-F07	F07-F10	F07-F10	F07-F10
	ØD1	Ø36	Ø36	Ø42	Ø42	Ø50	Ø50	Ø70	Ø70	Ø70
	ØD	Ø42	Ø42	Ø50	Ø50	Ø70	Ø70	Ø102	Ø102	Ø102
	R1	3	3	3	3	3	3,5	4,5	4,5	4,5
	R2	3	3	3,5	3,5	3,5	4,5	5,5	5,5	5,5
LEVER	■S	9	9	11	11	14	14	17	17	19
	H	64	80	93	85	104	110	148	152	187
	E	110	120	145	160	160	170	230	260	300
Kvs-value		8,5	21	30	39	68	94	265	307	-
Approx. Weight		0,5	1,0	1,0	1,5	2,5	4,0	7,5	12,0	18,0

Dimensions in mm subject to manufacturing tolerance / Kvs-values in m³/h / Weights in kg

### Operating Torques

Size	Standard Disc Differential Pressure					Valve Connection
DN (mm)	5 bar	10 bar	20 bar	50 bar	63 bar	
15	7,8	7,8	7,8	7,8	7,8	F03-F04 S9 h7
20	10,4	10,4	10,4	10,4	10,4	F03-F04 S9 h8
25	17	17	17	17	17	F04-F05 S11 h11
32	21	21	21	23	25	F04-F05 S11 h11
40	26	26	34	39	45	F05-F07 S14 h14
50	36	49	52	69	62	F05-F07 S14 h14
65	65	78	81	104		F07-F10 S17 h17
80	84	104	117	169		F07-F10 S17 h17

Torques in Nm

Minimum Recommended Safety factor for actuator selection: 30%

Above values are given for clean water at ambient temperature.

Operating Torque can be increased by many factors (dry gas, viscous liquid, temperature, etc.). Ask our technical department for selection.

Valves closed for a long period of time could need a higher breaking torque