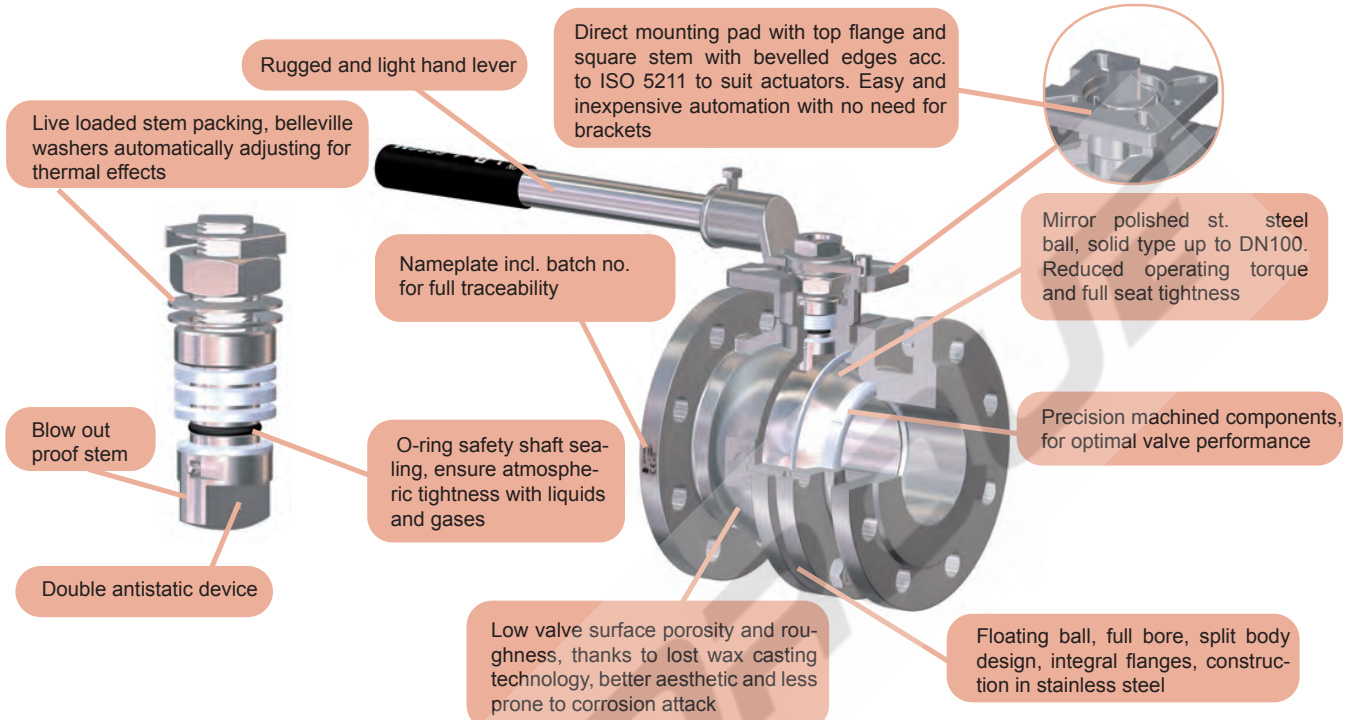


Series BV46666 are floating type, quick closing 90° rotary ball valves, bidirectional, with tightness achieved by friction of the ball blind ends to the seat, devised for stopping the flow of the service fluid when necessary and not being suitable for regulation purposes. Valve closes by turning the 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.

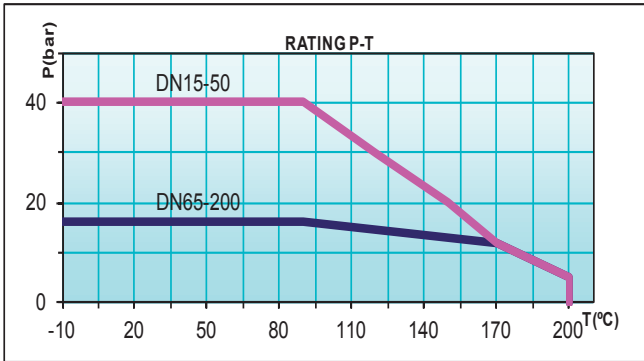


Main Features

Nominal Pressure: PN40 (DN15-50); PN16 (DN65-200)
 Face to face length: DN15-100: EN 558 S14 (DIN3202 F4); DN125-200: EN 558 S15 (DIN3202 F5)
 Valve end connections: Flanged to EN1092-1 type 21/B, PN16 (valves DN65 with 4 holes as accepted variant in standard)
 Marking: EN 19
 Pressure Tests: EN 12266-1
 Seat leakage rate: Rate A (full seat tightness in both directions)
 Product compliant with Pressure Equipment Directive PED, max. category I

Main Duties / Limits of use

Liquids compatible with materials of construction, acc. to PED Annex II tables 8 & 9 up to category I;
 Stable gases compatible with materials of construction, acc. to PED Annex II tables 6 & 7 up to category I
 PS: up to 40 bar (DN15-50) / up to 16 bar (DN65-200), depending on applicable table as follows:
 Table 6: PS 40 bar to DN25 (no CE marking)
 PS 25 bar DN32-40
 PS 20 bar DN50
 PS 13 bar DN65
 PS 10 bar DN80-100
 Table 7: PS 40 bar to DN50 (no CE marking <= DN32)
 PS 16 bar to DN200
 Table 8: PS 40 bar to DN50 (no CE marking)
 PS 16 bar to DN125 (no CE marking)
 PS 13 bar to DN150 (no CE marking)
 PS 10 bar to DN200 (no CE marking)
 Table 9: PS 40 bar to DN50 (no CE marking)
 PS 16 bar to DN200 (no CE marking)
 Questions referring to chemical resistance, please consult us
 Observe also pressure/temperature limits on diagram

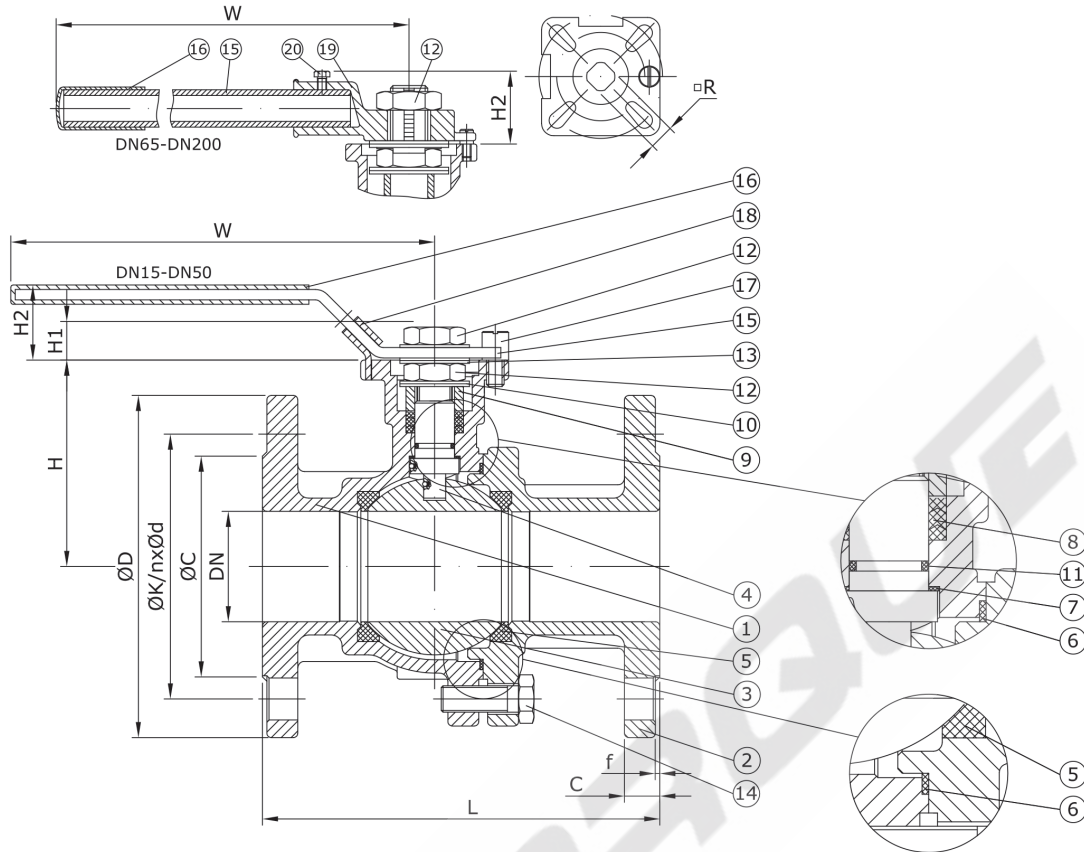


DN15-50						
P (bar)	40	40	30	20	12	5
T (°C)	-10	90	120	150	170	200
DN65-150						
P (bar)	16	16	16	12	5	
T (°C)	-10	50	90	170	200	

Options

Other designs and approvals, limit switches, different actuation, please consult us

Main Parts and Materials



Nº	PART	MATERIAL	Nº	PART	MATERIAL
1	BODY	St. Steel 1.4408	11	O-RING	Viton
2	CAP	St. Steel 1.4408	12	STEM NUT	St. Steel SS304
3	BALL	St. Steel 1.4408	13	BLOCKING WASHER	St. Steel SS304
4	STEM	St. SteelSS316	14	BOLTS-NUTS	St. Steel SS304
5	SEAT	PTFE	15	HANDLE	St. Steel SS304
6	GASKET	PTFE	16	HANDLE SLEEVE	Plastic
7	THRUST WASHER	PTFE	17	STOP PIN	St. Steel SS304
8	PACKING	PTFE	18	LOCKING DEVICE	St. Steel SS304
9	GLAND RING	St. Steel SS304	19	HANDLE HEAD	St. Steel 1.4308
10	BELLEVILLE WASHER	St. Steel SS301	20	HANDLE BOLT	St. Steel SS304

Main Valve Parameters

	15	20	25	32	40	50
DN	15	20	25	32	40	50
L	115	120	125	130	140	150
H	55	66,5	66,5	74	85,5	92,5
H1	9	11	11	11	15	15
H2	35	35	35	35	40	40
W	125	125	160	160	190	190
ØD	95	105	115	140	150	165
ØK	65	75	85	100	110	125
nxØd	4x14	4x14	4x14	4x18	4x18	4x18
ØC	45	58	68	78	88	102
C	14	16	16	16	16	18
f	2	2	2	2	3	3
R	9	9	11	11	14	14
ISO-5211	F04	F04	F04-F05	F04-F05	F05-F07	F05-F07
Kvs-value	18	40	63	108	174	265
Approx. Weight	3	3,5	4	5,5	7,5	11

Information / restriction of technical rules need to be observed!
 Installation, Operating and Maintenance Manual can be downloaded at www.comeval.es

Dimensions in mm subject to manufacturing tolerance / Kvs-values in m³/h / Weights in kg
 The engineer, designing a system or a plant, is responsible for the selection of the correct valve
 Product suitability must be verified, contact manufacturer for information

Main Valve Parameters

DN	65	80	100	125	150	200
L	170	180	190	325	350	400
H	113	124,5	142,5	182	201	259
H1	18	18	23	28	28	35
H2	70	70	70	80	80	80
W	355	355	400	770	770	1100
ØD	185	200	220	250	285	340
ØK	145	160	180	210	240	295
nxØd	4x18	8x18	8x18	8x18	8x22	12x22
ØC	122	138	158	188	212	268
C	18	20	20	22	22	24
f	3	3	3	3	3	3
R	17	17	22	27	27	36
ISO-5211	F07-F10	F07-F10	F10-F12	F10-F12	F10-F12	F14
Kvs-value	475	915	1510	2440	3890	8310
Approx. Weight	16	20,5	26,5	50,5	71	115

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

Operating Torques (Nm)

Size DN	Differential Pressure					Valve Connection
	5 bar	10 bar	16 bar	25 bar	40 bar	
15	14	14	14	14	15	F04 S9 H9
20	17	17	17	18	20	F04 S9 H11
25	20	20	21	23	27	F04-F05 S11 H11
32	21	31	33	36	42	F04-F05 S11 H11
40	36	37	39	43	48	F05-F07 S14 H15
50	45	47	51	56	66	F05-F07 S14 H15
65	80	97	115	-	-	F07-F10 S17 H18
80	110	130	155	-	-	F07-F10 S17 H18
100	130	180	210	-	-	F10-F12 S22 H23
125	190	240	360	-	-	F10-F12 S27 H28
150	280	350	520	-	-	F10-F12 S27 H28
200	470	590	830	-	-	F14 S36 H35

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.