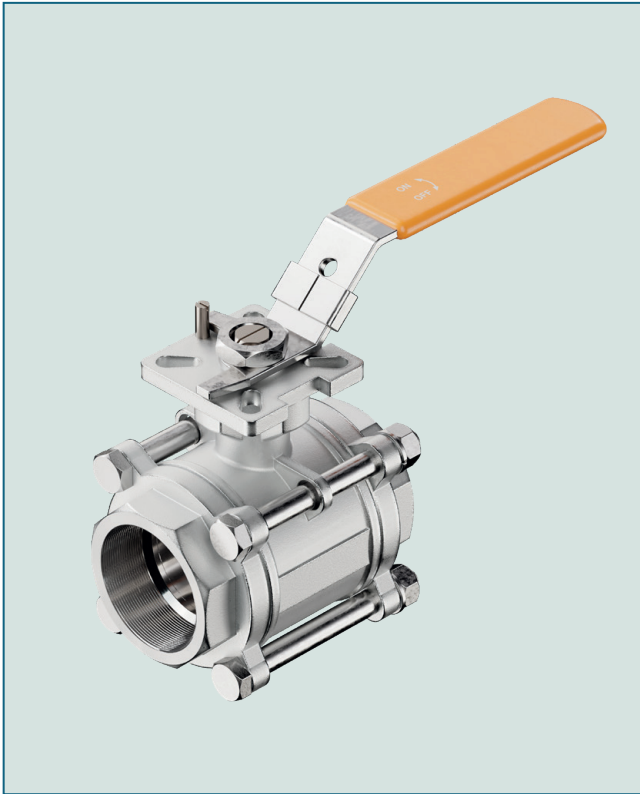


BALL VALVE V-3MH



This 3-piece ball valve offers versatility, robustness and easy maintenance. The V-3MH is ideal for safe isolation of pure, neutral or aggressive liquids, gases or vapors.

TECHNICAL DATA

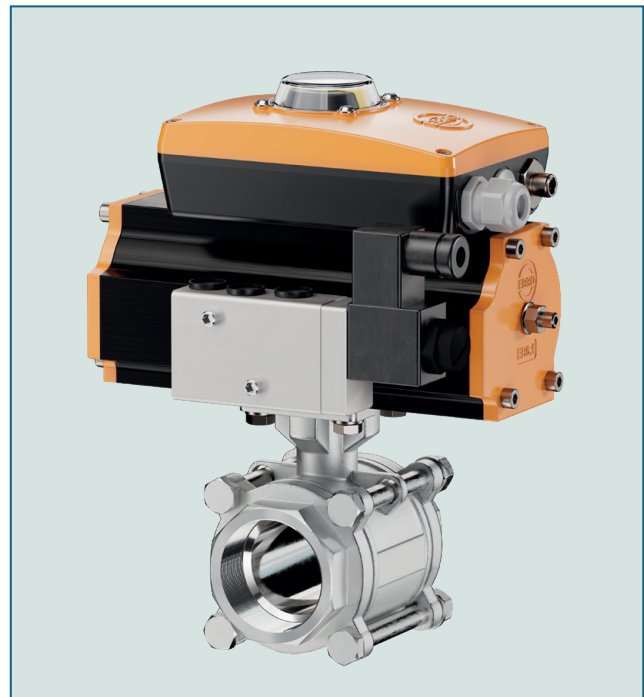
Nominal diameter:	DN 8 - DN 100 NPS 1/4 - 4
Temperature range:	-10°C to +180°C (depending on pressure, medium and material)
Pressure rating:	63 bar (DN 8 - DN 50) 40 bar (DN 65 - DN 100)
End connection:	Threaded, Buttweld Others on request
Port:	Full Port
Body design:	3-piece
Body material:	Stainless steel
Tightness check:	EN 12266 (Leakage rate A)
Marking:	EN 19
Top flange:	EN ISO 5211

FEATURES

- Direct mounting for manual and actuated operation
- 3-piece swing-out design allows easy in-line servicing
- Blow-out proof and anti-static design
- Handlever with operating lock as standard
- Pressure relief hole on the ball and seat
- Low maintenance

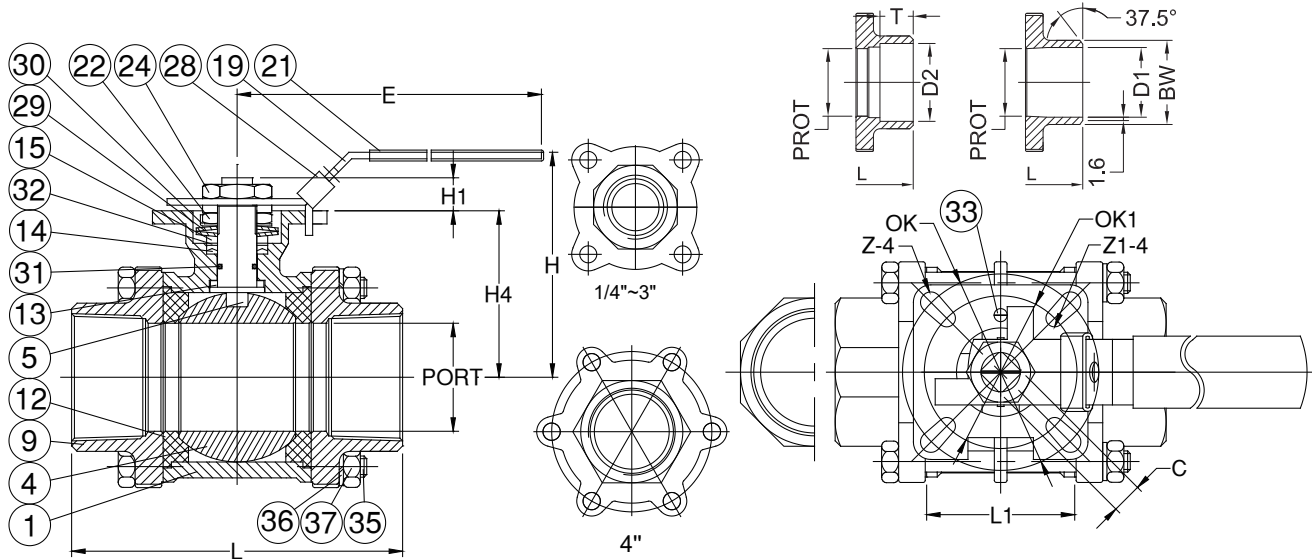
GENERAL APPLICATIONS:

- General services (fluids and gases)
- Cooling water, process water, portable water
- Flushing pipes, drainage
- Acids and alkalis
- Water technology
- Pulp & Paper
- Food & Beverage
- Chemical and Petrochemical industry
- Automotive
- Biogas and Biomethane



BALL VALVE V-3MH

MATERIAL SPECIFICATION DIMENSIONS AND PARTS LIST



Pos.	Description	Material	Material-No.	ASTM	Pos.	Description	Material	Material-No.	ASTM		
1	Body	Stainless Steel	G-X6CrNiMo18-10	1.4408	CF8M	24	Handle nut	Stainless Steel	X5CrNi18	1.4301	SS 304
4	Ball	Stainless Steel	G-X6CrNiMo18-10	1.4408	CF8M	28	Locking pad	Stainless Steel	X5CrNi18	1.4301	SS 304
5	Stem	Stainless Steel	X5CrNiMo17-12-2	1.4401	SS 316	29	Belleville washer	Stainless Steel	X5CrNi18	1.4301	SS 304
9	End cap	Stainless Steel	G-X6CrNiMo18-10	1.4408	CF8M	30	Tab washer	Stainless Steel	X5CrNi18	1.4301	SS 304
12	Seat	R-PTFE			31	O-ring	Viton®				
13	Thrust washer	R-PTFE			32	Packing follower	PTFE +25% G.F.				
14	Stem packing	R-PTFE			33	Stop pin	Vinyl				
15	Gland busch	Stainless Steel	X5CrNi18	1.4301	SS 304	35	Body bolt	Stainless Steel	X5CrNi18	1.4301	SS 304
19	Handle	Stainless Steel	X5CrNi18	1.4301	SS 304	36	Bolt washer	Stainless Steel	X5CrNi18	1.4301	SS 304
21	Handle cover	Vinyl			37	Bolt nut	Stainless Steel	X5CrNi18	1.4301	SS 304	
22	Stem nut	Stainless Steel	X5CrNi18	1.4301	SS 304						

Size		Dimensions [mm]															
DN	NPS	PORT	L	E	H	H1	H4	C	OK	OK1	Z-4	Z1-4	BW	D1	D2	T	Top Flange
8	1/4"	11,5	63,5	112	73	8,5	37	9	42	36	6	6	13,7	11	14,2	10	F03/F04
10	3/8"	12,5	63,5	112	73	8,5	37	9	42	36	6	6	17,1	12,5	17,5	10	F03/F04
15	1/2"	15	63,5	112	73	8,5	37	9	42	36	6	6	21,3	15,8	21,8	10	F03/F04
20	3/4"	20	72,5	112	80,8	8,5	45	9	42	36	6	6	26,7	20,9	27,4	13	F03/F04
25	1"	25	81	136	90,5	11,4	53,5	11	50	50	7	6	33,4	26,6	34,1	13	F04/F05
32	1-1/4"	32	94,5	185	98,7	11	59	11	50	50	7	6	42,2	35,1	42,7	13	F04/F05
40	1-1/2"	38	108	197,9	115,3	14	74,8	14	70	70	9	7	48,3	40,9	49	13	F05/F07
50	2"	50	121,5	197,9	124	13,7	83,5	14	70	70	9	7	60,3	52,5	61	16	F05/F07
65	2-1/2"	65	157,5	264	155	18	108,8	17	102	102	11	9	73	62,7	77	16	F07/F10
80	3"	80	190	264	164,5	18	118,3	17	102	102	11	9	88,9	77,9	90	16	F07/F10
100	4"	100	225	325	216,7	23	153,8	22	125	125	11	9	114,3	102,3	115,3	22	F10/F12

Subject to change without notice

BALL VALVE V-3MH

TORQUE-VALUES

Torques measured at ambient temperature without pressure load.

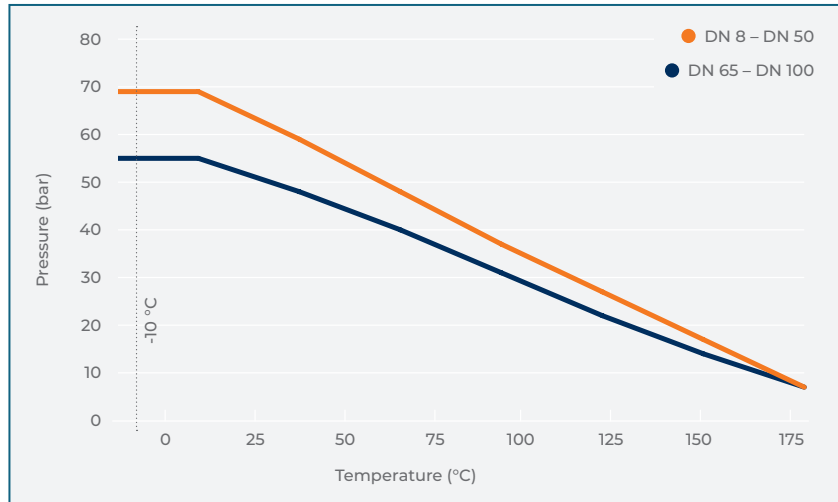
Our engineers look forward to help you with exact values and the dimensioning of actuators for your application.

Size Range		Torque
DN	NPS	Nm
8	1/4"	5
10	3/8"	5
15	1/2"	5
20	3/4"	7
25	1"	14
32	1-1/4"	22
40	1-1/2"	29
50	2"	47
65	2-1/2"	58
80	3"	62
100	4"	123

PRESSURE/ TEMPERATURE DIAGRAM

The diagram illustrates the performance of the standard version of the V-3MH.

Valves for higher pressure or deviating temperature are available upon request.



DN 8 - DN 50: max. 63 bar

DN 65 - DN 100: max. 40 bar