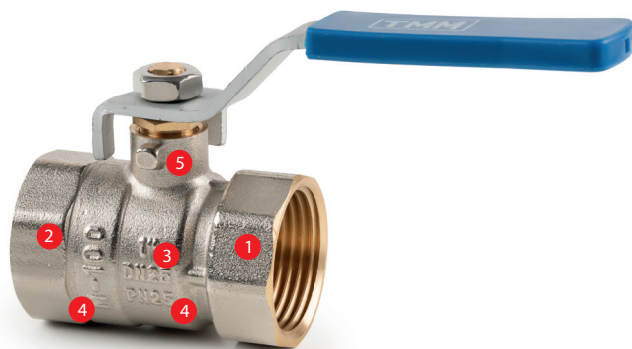




PRODUCT



FITTINGS



MALE - MALE



MALE - FEMALE

DESCRIPTION

Straight ball valve made of copper alloy, nominal pressure up to 25 bar, threaded connections according to ISO 228-1 and manually operated shut-off for water supply and shut-off in plumbing installations in construction and drinking water installations in buildings according to EN13828.

MATERIALS

- 1 **BODY:** CW617N brass, according to EN12165
- 2 **CAP:** CW617N brass, according to EN12165
- 3 **BALL:** CW617N brass, according to EN12164. Fully chrome-plated
- 4 **SEATS:** PTFE
- 5 **STEM:** CW617N brass, according to EN12164
 - **NUT:** AISI-304 stainless steel
 - **HANDLE:**
 - Option 1: DACROMET LEVER; galvanically treated steel + polypropylene grip
 - Option 2: BUTTERFLY; aluminum with epoxy coating
 - **PACKING GLAND SEALS ON STEM:** PTFE
 - **PACKING GLAND FITTING:** ICW617N brass, according to EN12164. Nickel-plated

FEATURES

WORKING PRESSURE: 25bar (PN25)

MAXIMUM TEMPERATURE: 90°C

MINIMUM TEMPERATURE: -20°C

*Note: The valve materials are tested to ensure product resistance to pressures of 40 bar and high temperatures of up to 150°C and minimum temperatures of down to -20°C.

Suitable for drinking water: materials in contact with water are included in the 4MS list, approving them for contact with drinking water according to the Drinking Water Directive 2020/2184.

Nickel-free, with no possibility of nickel migration into the water.

REACH and RoHS compliance: materials according to current regulations. Optimized design.

Leak-proof: perfect system tightness with a fully spherical ball.

Pressure-resistant: withstands pressure peaks and water hammer occurring in the water network.

Anti-leak stem system with the possibility of retightening the packing gland fitting.

Anti-ejection stem system.

Corrosion-resistant, Suitable in areas with high concentration of salt and humid environments.

180° reversible lever, allowing it to be mounted on the opposite side of the valve if required by the installation.

Weather-resistant lever with ergonomic grip.

Quarter-turn operation with optimal adjustment for easy valve maneuvering.

Knurled connection on male threads to facilitate installation and improve adhesion of plumber's tape or other standard threaded-joint sealants.

Easy to install using standard tools.

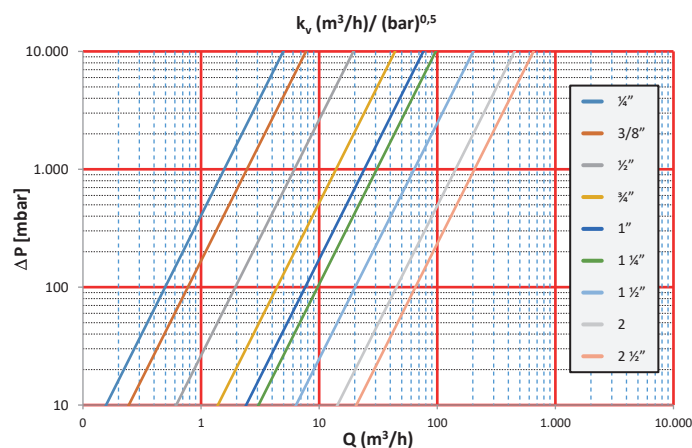
FLOW COEFFICIENT Kv

'Kv' refers to the number of cubic metres per hour that must pass through the valve to generate a pressure drop of 1 bar.

Each valve size corresponds to a Kv value.

	Kv [m ³ /h/(bar)]
1/4"	1,6
3/8"	2,4
1/2"	6,2
3/4"	13,9
1"	24,1
1 1/4"	30,7
1 1/2"	63,8
2"	142,8
2 1/2"	206,5

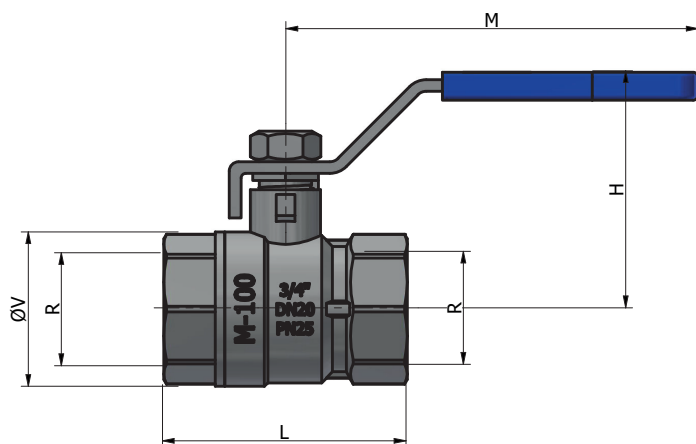
LOAD LOSS DIAGRAM





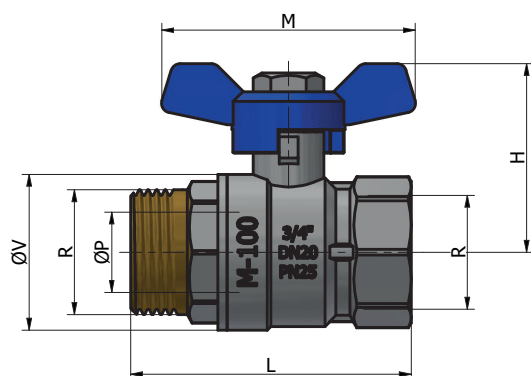
MAIN MEASURES

A. M-100 connections FEMALE - FEMALE



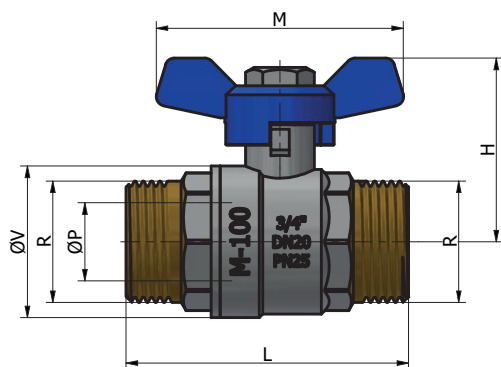
DN	R	Dimensions [mm]						
		ØP	L	ØV	Lever		Butterfly	
					H	M	H	M
8	1/4"	6	39	18	37	70	27	50
10	3/8"	8	43,5	20	38	70	28	50
15	1/2"	12	47	25	47	90	38	55
20	3/4"	17	52	33	51	90	41	55
25	1"	20	61	36,5	57	105	44	65
32	1,1/4"	25	71	45	62	105	–	–
40	1,1/2"	32	80	56,5	75	135	–	–
50	2"	40	97,5	69	80	135	–	–
65	2,1/2"	50	113	85	112	255	–	–

B. M-100 connections MALE - FEMALE



DN	R	Dimensions [mm]						
		ØP	L	ØV	Lever		Butterfly	
					H	M	H	M
10	3/8"	8	45,5	20	38	70	28	50
15	1/2"	12	52,5	25	47	90	38	55
20	3/4"	17	59,5	33	51	90	41	55
25	1"	20	68,5	36,5	57	105	44	65
32	1,1/4"	25	78	45	62	105	–	–
40	1,1/2"	32	89,5	56,5	75	135	–	–
50	2"	40	107	69	80	135	–	–

C. M-100 connections MALE-MALE



DN	R	Dimensions [mm]						
		ØP	L	ØV	Lever		Butterfly	
					H	M	H	M
10	3/8"	8	45	20	38	70	28	50
15	1/2"	12	53	25	47	90	38	55
20	3/4"	17	61,5	33	51	90	41	55
25	1"	20	71	36,5	57	105	44	65
32	1,1/4"	25	75	45	62	105		