



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.

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"
3/8"
1/2"
3/4"
1"
1 1/4"
1 1/2"
2"
2 1/2"

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)

*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.

MAXIMUM TEMPERATURE: 90°C

MINIMUM TEMPERATURE: -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.

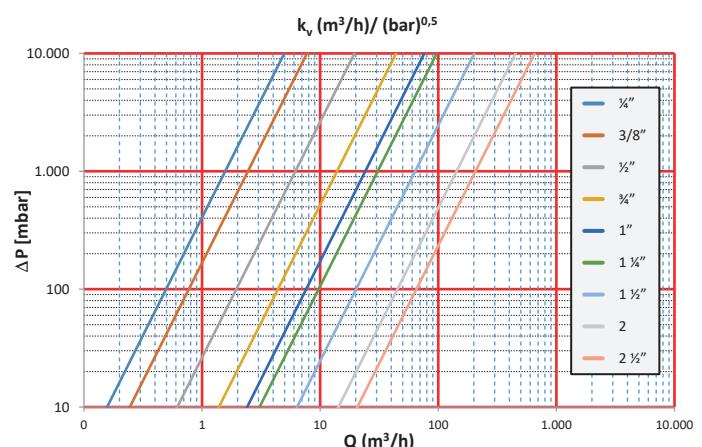
Weather-resistant lever with ergonomic grip.

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.

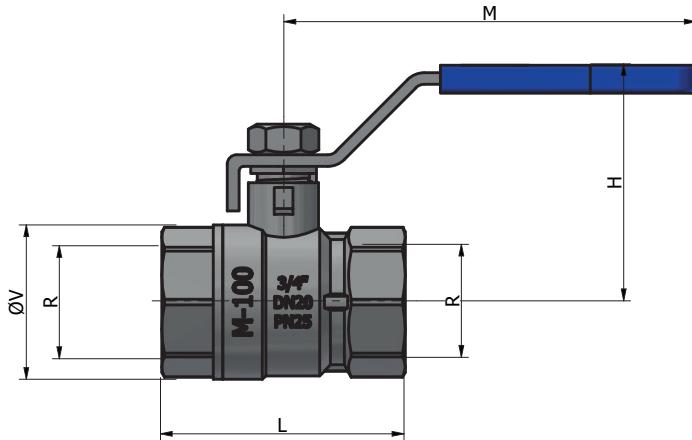
LOAD LOSS DIAGRAM





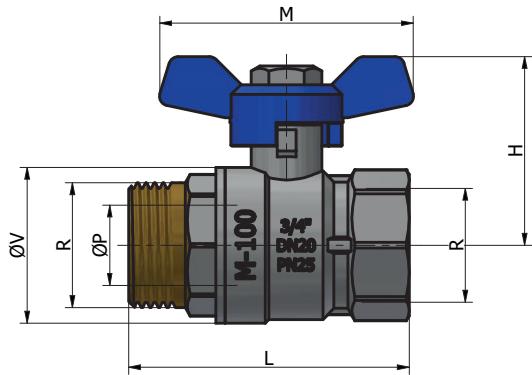
MAIN MEASURES

A. M-100 connections FEMALE - FEMALE



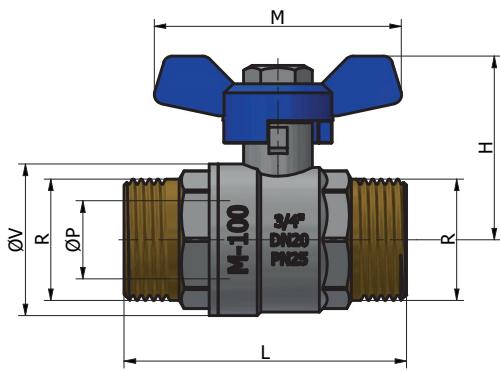
DN	R	Dimensions [mm]						
		ØP	L	ØV	Lever		Butterfly	
H	M	H	M	H	M	H	M	
8	1/4"	6	39	18	37	70	27	50
10	3/8"	8	43,5	20	38	70	28	50
15	1/2"	12	47	25	47	90	38	55
20	3/4"	17	52	33	51	90	41	55
25	1"	20	61	36,5	57	105	44	65
32	1,1/4"	25	71	45	62	105	—	—
40	1,1/2"	32	80	56,5	75	135	—	—
50	2"	40	97,5	69	80	135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