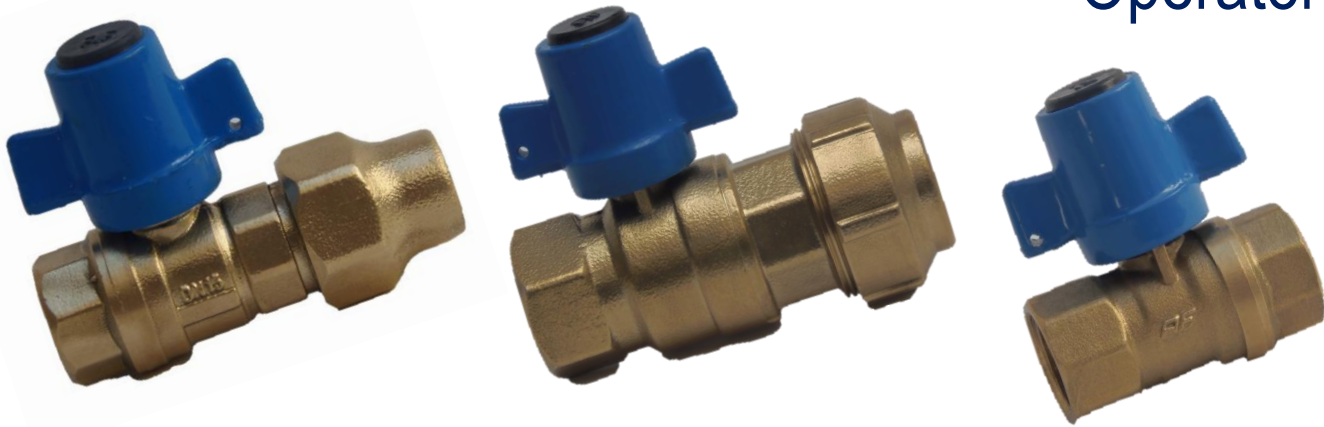


# VALVES



## Ball Valves with Anti-Fraud Operator



### Main features

With a robust design, its internal components are made from high-strength, high-quality materials, making it unnecessary to perform special care or preventive maintenance.

Its sturdy body, sealing ring, and handle ensure high resistance against tampering or fraud attempts.

It withstands prolonged submersion without affecting its operation. Three operating positions: standard operation, permanently closed or open, and optional minimum vital flow position.

Various inlet and outlet configurations to suit any type of assembly or connection requirement, from 1/2" to 1": female NPT thread, male NPT thread, pipe coupling, hose coupling.

Complies with the technical requirements of Resolution 0501 of 2017 issued by the Ministry of Housing, City, and Territory.

### Materials

Piece	Materials
Valve Body	Forged Brass (DIN 1709) MS-58
Actuator Stem	Forged Brass (DIN 1709) MS-58
Ball	Forged Brass (DIN 1709) MS-58
Valve Bonnet	Forged Brass (DIN 1709) MS-58
Teflon Gasket	Teflon P.T.F.E
Operator Handle	Epoxy-Coated Aluminum
Stem Nut	Forged Brass (DIN 1709) MS-58
Operator Cap	Medium-Impact ABS
O'Ring Parker 2-010	Acrylonitrile Rubber (Shore A-70)

### Technical information

Performance under extreme conditions: Designed to be installed alongside the meter in protective boxes

Recommended use: For use in residential water service connections

Accessory description: Does not require additional accessories

Loading recommendations: Packaged in boxes with separators to protect threads during transport and storage.

Lubricant recommendations: Due to its manufacturing design, no lubricants are required

Description of tests to evaluate hydraulic performance: Factory tests include pressure, tension, tightness, and pH resistance

Preventive and corrective maintenance instructions: No maintenance required

## Technical Operating Characteristics

Designation	H-M	H-H	M-CM
Diameter	1/2" - 15 mm		
Material	Forged Brass (DIN 1709)		
Installation Position	Horizontal and Vertical		
Maximum Temperature	50 <sup>0</sup> C		
Minimum Temperature	-15 <sup>0</sup> C		
Maximum Working Pressure	150 psi		
Tensile Strength	4.000 lbf (17.800 N)		
Bending Resistance	1800 lbf-pulg (203 N.m)		
Dimensions			
Length (mm)	59	54	80
Width (mm)	53,5	53,5	53,5
Height (mm)	53	53	53
Threaded Ends	NPT 1/2" according to NTC 332		
Reference Standard	NTC 4751 - 3538		
Security System	Anti-Fraud Screw		

## Test and Trials

Hydrostatic Test: 300 PSI

Pressure Test: 375 PSI (Tightness)

Nominal Working Pressure: 320 PSI (16 BAR)

Approval Tests: To qualify our anti-fraud valves, they undergo rigorous quality control tests, including: single tensile test at 17,800 N, cycling tests (5,000 open-close cycles), tightness and pressure tests, all without presenting any damage.

Service life: Ten years.

## Certifications



Certificado No. CPC-07500-1-D-19  
Esquema 5

## DOCUMENT'S VERIFICATION AND APPROVAL



Manufactured by BTP Medidores y Accesorios S.A.

Calle 18B No. 65B 75

Tel: (57) 601- 7038274

[www.btpmedidoresyaccesorios.com](http://www.btpmedidoresyaccesorios.com)

Bogotá-Colombia

CODE: CT-CC-005 VERSION: 02