

## ANGLE RUBBER WEDGE SERVICE VALVE PN 16 WITH INTERNAL/EXTERNAL THREAD

### DESCRIPTION:

Rubber wedge service valve, 90° type, with cylindrical gas internal thread and conical gas external thread, suitable to be used with drinking water. Maximum working temperature 70°C

### TECHNICAL DATA:

**Body and bonnet** made of ductile iron GJS 400-15 (ISO 1083:2018); fully fusion bonded epoxy powder coated RAL 5015 GSK approved; minimum thickness 250 µm (UNI EN 14901:2006) using the fluidized bed system. Bonnet with threaded connection for extension spindle IM9600 and IM9620

**Main sealing** by vulcanized rubber coated brass wedge; slides on a dedicated guider system inside the body to reduce friction

**Secondary sealing** by two O-rings housed in brass bush

Safety gasket, housed inside the cover, allows the brass bush to be removed under pressure (according to ISO 7259)

**Stainless steel stem** with cold rolled trapezoidal thread

Body/bonnet gasket with special O-ring design

**Viper ring** suitable to protect secondary sealing in case of underground installation

**Stainless steel** countersunk hexagon socket head **screws** protected by glue hot resin

### STANDARD:

All materials used have been selected for contact with potable water in compliance to the terms of Italian Health Ministry decree N. 174 dated 06/04/2004 and tested in a third-party laboratory.

Valves made according to EN 1074

Outlet threading according to UNI EN 10226-1

Rubber parts compliant with UNI EN 681-1

Production according to EN 1171 in ISO 9001-15

certified Factory

Hydraulic tests according to EN 1074-1 e 2 / EN 12266

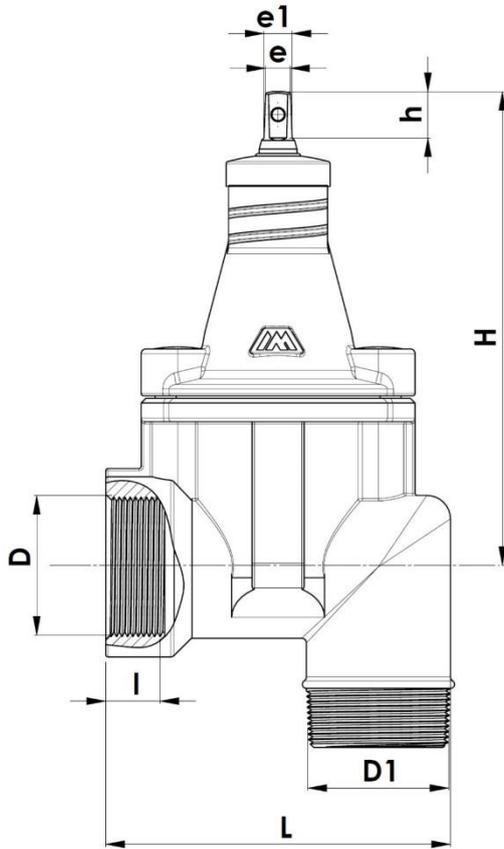
### PRESSUR TEST:

- PFA: 16 bar
- PMA: 25 bar

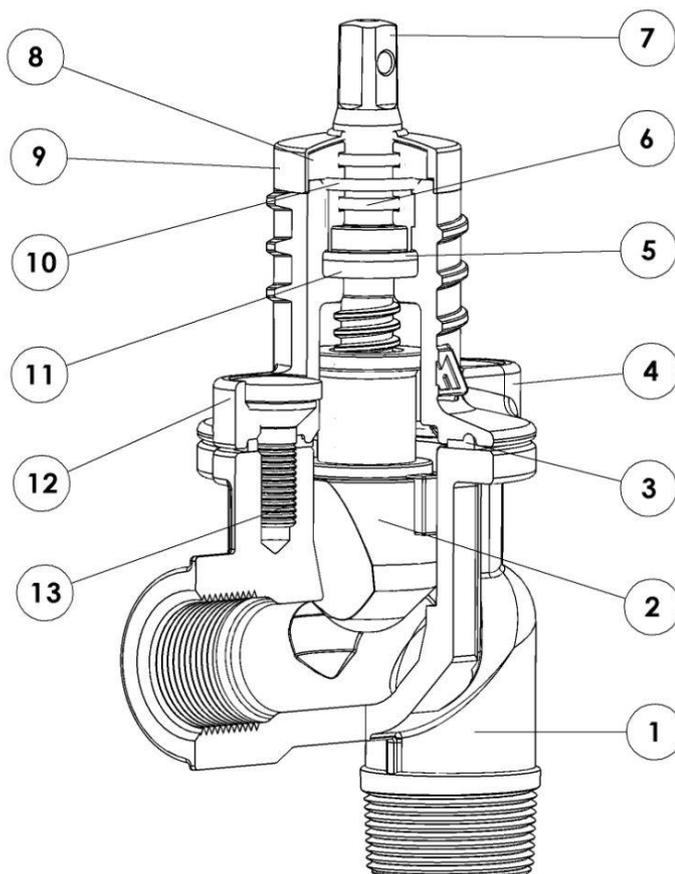


### MARKINGS:

- Thread dimension
- Nominal pressure
- Material identification
- Foundry identification
- Batch number
- Manufacturer Logo



DIMENSIONS				
D	1"	1" ¼	1" ½	2"
D1	1" ¼	2"	2"	2"
L	120	150	150	150
H	150	203	203	203
I	20	25	25	25
e	10,5	10,5	10,5	10,5
e1	11,8	11,8	11,8	11,8
h	20	20	20	20
Weight Kg	2,5	4,8	4,8	4,9



### BILL OF MATERIAL

- Body:** Ductile iron GJS 400-15 with epoxy powder coating thickness 250 µm
- Wedge:** Brass core (Pb mx 0,2%) with rubber EPDM vulcanized
- Body/bonnet gasket:** EPDM
- Bonnet:** Ductile iron GJS 400-15 with epoxy powder coating thickness 250 µm
- Friction washer:** POM
- O-rings:** EPDM
- Stem:** Stainless steel AISI 420 cold rolling
- Bush:** Brass (Pb mx 0,2%)
- Viper ring:** rubber EPDM
- O-ring:** EPDM
- Compression ring:** EPDM
- Screw protection:** hot glue resin
- Screws:** Stainless Steel AISI 304 (A2 grade)