

RUBBER WEDGE SERVICE VALVE PN 16 WITH INTERNAL/EXTERNAL THREAD

DESCRIPTION:

Rubber wedge service valve, inline 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

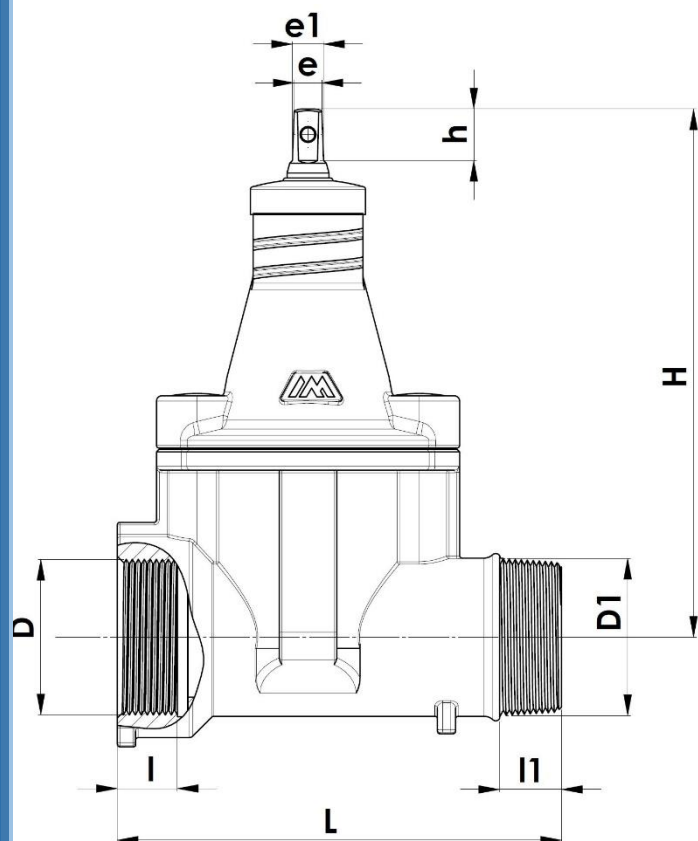
Hydraulic tests according to EN 1074-1 e 2 / EN 12266

PRESSUR TEST:

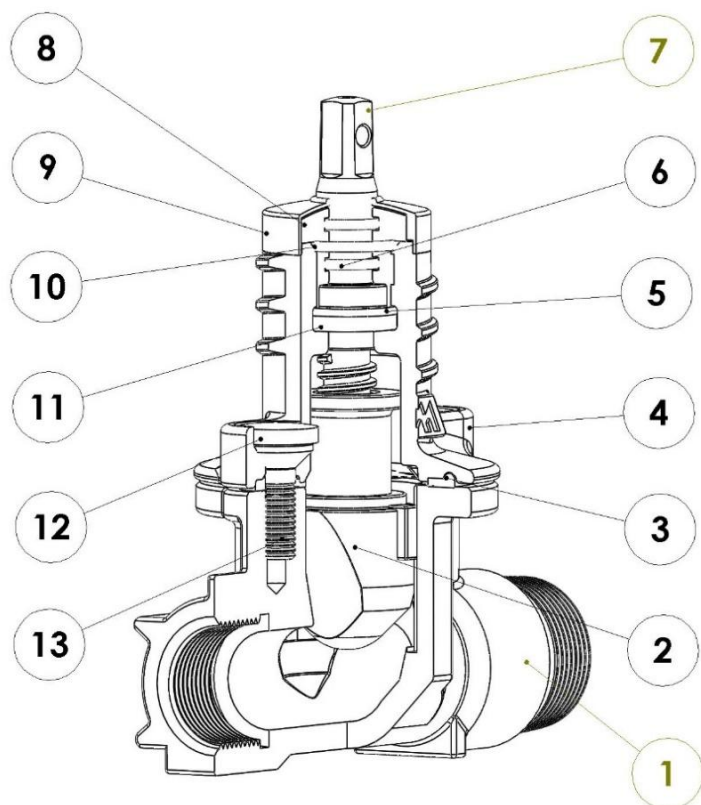
- PFA: 16 bar
- PMA: 25 bar

MARKINGS:

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



DIMENSIONI						
DN	1"	1" ¼	1" ¼	1" ½	1" ½	2"
D	1" ¼	1" ¼	2"	1" ½	2"	2"
D1	1"	1" ¼	1" ¼	1" ½	1" ½	2"
L	148	148	172	171	172	172
H	155	155	203	203	203	203
I	20	20	25	25	25	25
l1	22	22	25	25	25	25
e	10,5	10,5	10,5	10,5	10,5	10,5
e1	11,8	11,8	11,8	11,8	11,8	11,8
h	20	20	20	20	20	20
Peso Kg	2,6	2,6	4,6	5,0	5,0	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)