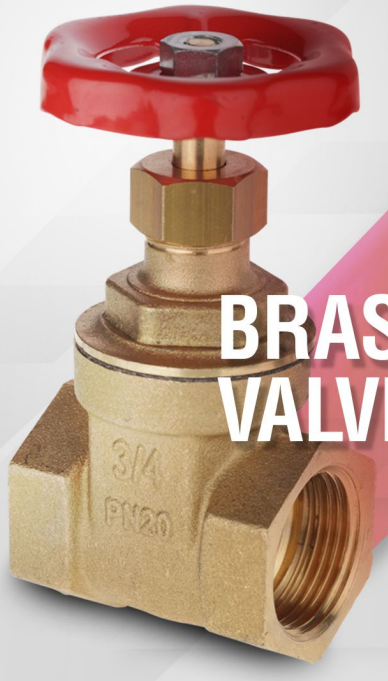


BRASS GATE VALVE PN20

1/2" to 2" 1/2

SPECIFICATIONS

- Full bore
- Rotating non rising stem
- Inside screw stem
- Brass
- Single wedge disc
- Female / Female BSP cylindrical ends
- EPDM packing

USE

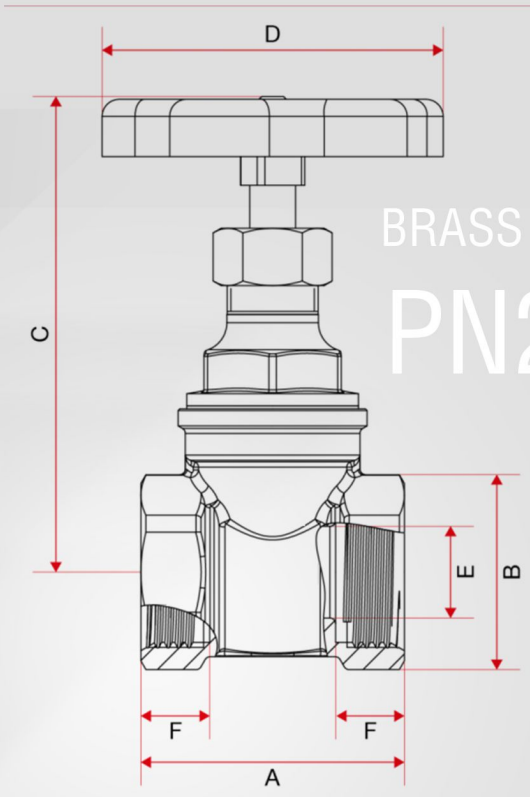
- Water distribution and watering
- Min and max Temperature: - 10°C to + 80°C
- Max Pressure: 20 bars
- Do not use for firefighting networks

FLOW COEFFICIENT Kvs (m^3/h)

DN	1/2"	3/4"	1"	1" 1/4	1" 1/2	2 "	2" 1/2
Kvs	14	31	46	86	152	225	405

OVERALL DIMENSIONS (in mm)

	1/2"	3/4"	1"	1" 1/4	1" 1/2	2 "	2" 1/2
DN	15	20	25	32	40	50	65
A	42.5	50	56	61	65	74	81
B	28	34	40.3	51.5	57	71.5	90
C	80	93	105	122.5	132.5	150.5	185.5
D	55	60	65	70	80	90	110
E	13	20	24	32	37	47	59
F	13	14.5	17	17	19	21.5	22.5
Weight (kg)	0.247	0.375	0.500	0.778	1.010	1.490	2.285

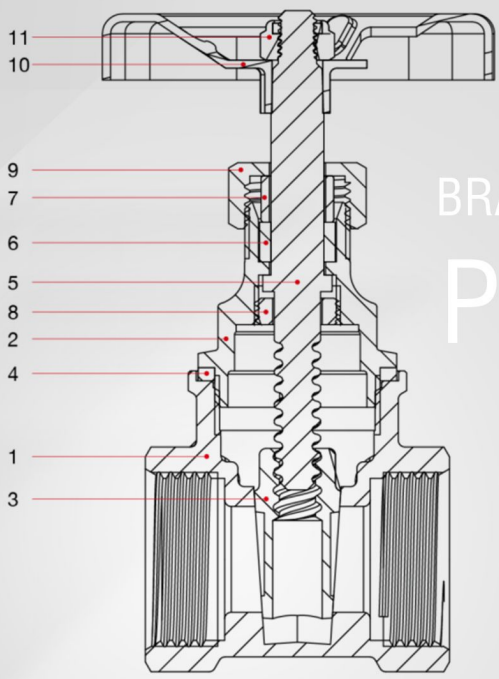


BRASS GATE VALVE

PN20

MATERIALS

POS	Description	NO.	Material
1	Body*	1	Brass CW617N according to EN 12165
2	Bonnet	1	Brass CW617N according to EN 12165
3	Disk	1	Brass CW617N according to EN 12165
4	Washer	1	NA 1002
5	Stem	1	Brass CW617N according to EN 12165
6	Stem Washer	1	PE 1000
7	Packing Gland	1	Brass CW617N according to EN 12165
8	Stem Stopper	1	Brass CW617N according to EN 12165
9	Cap	1	Brass CW617N according to EN 12165
10	Hand wheel	1	Varnished aluminum EN AB-46100
11	Self-locking nut	1	Zinc-plated steel CL8



BRASS GATE VALVE

PN20

INSTALLATION INSTRUCTIONS

GENERAL GUIDELINES

- Ensure that the valves to be used are appropriate for the conditions of the installation (type of fluid, pressure and temperature)
- Be sure to have enough valves to be able to isolate the sections of piping as well as the appropriate equipment for maintenance and repair.
- Ensure that the valves to be installed are of correct strength to be able to support the capacity of their usage
- **Installation of all circuits should ensure that their function can be automatically tested on a regular basis (at least two times a year).**

INSTALLATION INSTRUCTIONS

- Before installing the valves, clean and remove any objects from the pipes (in particular bits of sealing and metal) which could obstruct and block the valves.
- Ensure that both connecting pipes either side of the valve (upstream and downstream) are aligned (if they're not, the valves may not work correctly).
- Make sure that the two sections of the pipe (upstream and downstream) match, the valve unit will not absorb any gaps. Any distortions in the pipes may affect the tightness of the connection, the working of the valve and can even cause a rupture. To be sure, place the kit in position to ensure the assembling will work.
- Before start the fitting, ensure that the threads and tapping are clean.
- If sections of piping do not have their final support in place, they should be temporarily fixed. This is to avoid unnecessary strain on the valve.
- It's recommended to operate the valve (open and close) 1 to 2 times per year.