Brass Foot Valve

3/8" to 4"

GENERAL GUIDELINES

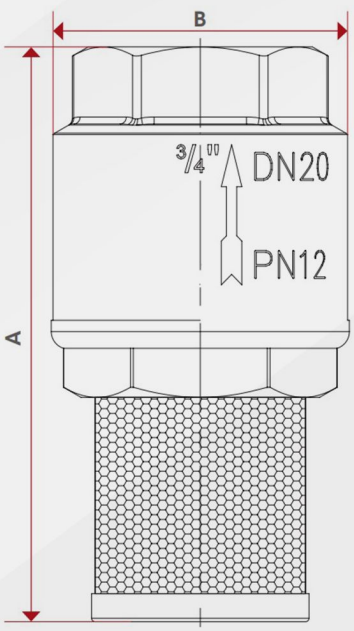
- Body in brass
- Plate in polymer
- Washer in NBR
- Spring in stainless steel
- Strainer in polymer and stainless steel
- Filtration degree: 3/8" through 2": 1200µm, 2"1/2 through 4": 2000 µm
- Minimum and maximum working temperature: -20°C, 100°C
- Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228)

MATERIALS

ITEM	DESIGNATION	MATERIALS
1	Body	Brass CW 617 N according to EN 12165
2	Throttle	SS 302
3	Spring	Stainless Steel AISI 302
4	Gasket	NBR
5	Plate	Polymer
6	End adaptor	Brass CW617N

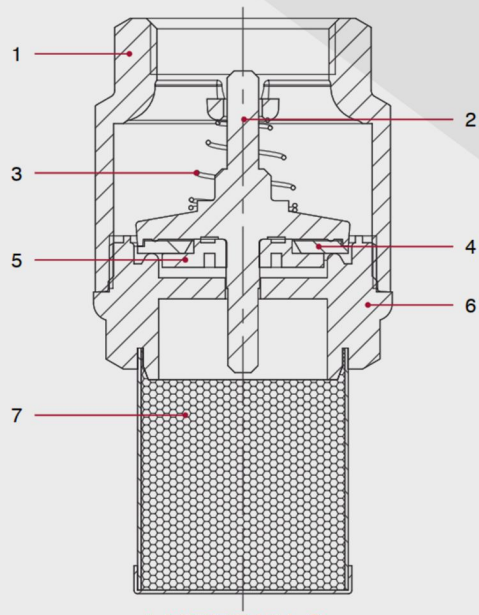
OVERALL DIMENSIONS

	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
DN	10	15	20	25	32	40	50	65	80	100
A	69.5	70	82	91.5	108	119	136.5	164.5	184.5	214.5
B	35	35	42	48	59.5	70.5	86	103	126	154
Kg/cm² bar	12	12	12	12	10	10	10	6	6	6



Size	3/8"-1/2"-3/4"-1"-1"1/4-1"1/2-2"
Filtration	1200 µ

Size	2"1/2- 3"-4"
Filtration	2000 µ



OVERALL DIMENSIONS

MATERIALS

MANIFACTURER INSTRUCTIONS

Installations:

The TTI check valves are uni-directional, that means they manage the flow in one direction only, which is indicated by the arrow on the body. The valves are composed by a spring, a little valve and a couple of parts made of brass (body and end-adaptor) which contain them and that are assembled bt means of thread and a sealed material to obtain their aim. In order to avoid that the sealed material gets broken and then the valve loose the connection between the body and the end-adaptor, it's necessary to avoid to submit the two parts under the influence of a torque. For the installation normally hydraulic practices must be used, and especially:

- For a proper installation of the valve, near curves and circulation pumps, the valve must be mounted at a distance equal to 10 times the diameter of the pipe
- The installer has to be sure that the two pipes are correctly aligned
- During the assembling process, the installer has to apply its assembling tools at the end that is nearest to the pipe
- The application of the sealing materials by the fitter (PTFE) must be limited at the thread zone. An excess should interfere in the ball gasket's closure zone, compromising the tightness
- In case the fluid transported has got some impurities (dust, too hard water, and so on) it's necessary to remove impurities by or filter them, otherwise they could damage the seal

DISASSEMBLY THE INSTALLED VALVE

To remove the valve from the pipe line or anyhow before unscrewing the connections linked:

- Wear the protective clothing normally required to work with carried fluids
- Depressurize the line
- During the disassembling process, apply the key at the end of the valve, the one nearest the pipe.

MAINTENANCE

Verify the valve periodically, according to its application's field and its works field and its works conditions, in order to be sure that the valve works correctly. In case of losses of tightening, take note that these can be caused by a deposit of foreign bodies (dirty, calcareous) on the rubber seal. In order to solve this inconvenient, it's necessary to unmount the valve and remove the foreign body with compressed air tools.

STRAINER FOR TTI CHECK VALVES

3/8" to 4"

TECHNICAL SPECIFICATIONS

- 3/8" through 2": 1200µm
- 2"1/2 through 4": 2000 µm
- Strainer in stainless steel
- Threaded end in polymer
- Threaded: ISO 228 (equivalent to DIN EN ISO 225 and BS EN ISO 228)
- Available also with NPT thread in the sizes 2"1/2, 3" e 4".

MATERIALS & OVERAL DIMENSIONS

POS.	DESCRIPTION	MATERIALS
1	End adaptor	Polymer
2	Strainer	Stainless steel AISI 304

SIZE	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
A	42	47	57.5	69	75	83	98	123	138	152.5
B	25.5	29.5	36	43.5	50.5	56.5	69	86	102	129