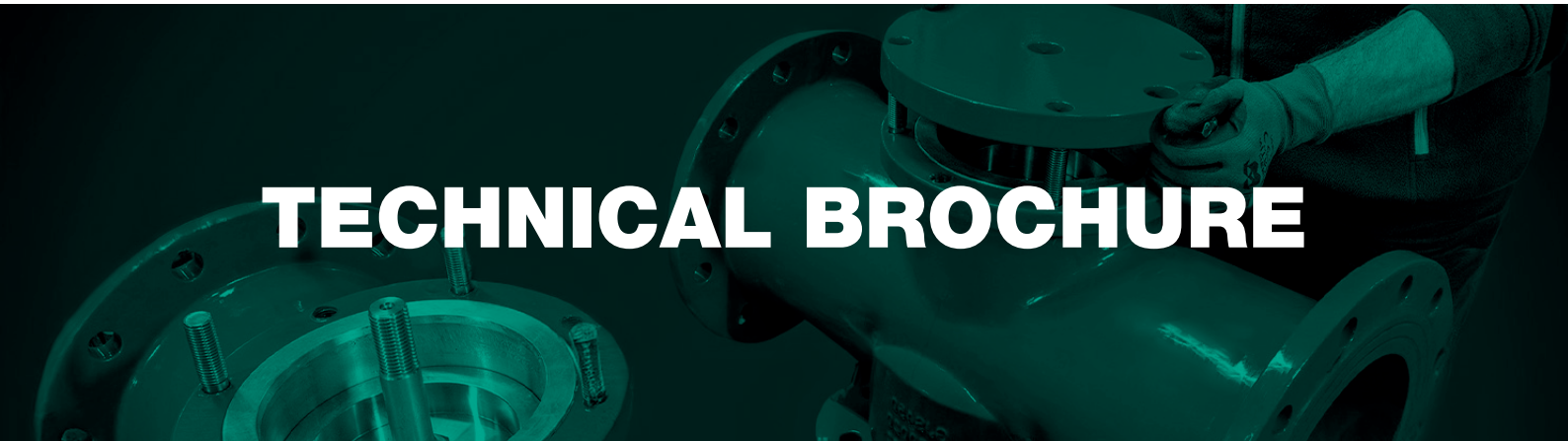
Pietro Fiorentini

H-FLOAT TH

Float valves



Pietro Fiorentini S.p.A.
Via E.Fermi, 8/10 | 36057 Arcugnano, Italy | +39 0444 968 511
sales@fiorentini.com

H-FLOATTH_technicalbrochure_ENG_revB

www.fiorentini.com

Compensated single-seated float valve

H-FLOAT-TH

H-FLOAT TH is a compensated single-seated float valve. It automatically maintains a constant level in small tanks, irrespective of upstream pressure variations, and closes when the set maximum level is reached. Designed for angle installation, it achieves the highest level of reliability and performance.

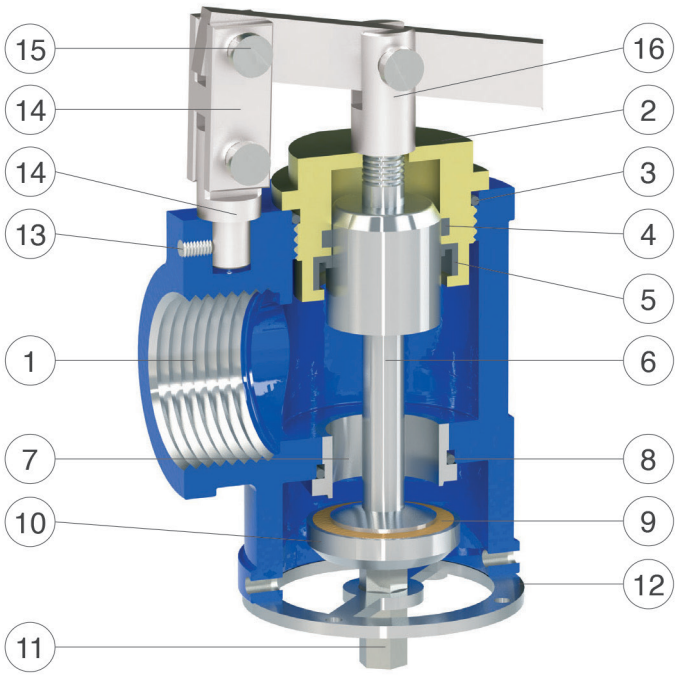
Main applications

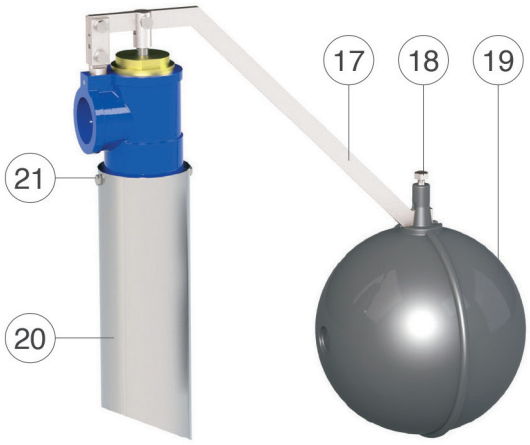
- Distribution networks
- Fire Tanks
- Irrigation systems
- In general, when constant level control is required

Constructive features and advantages

- Ductile cast iron body, class PN 16.
- Piston guide system integrated in the brass cap, with self-cleaning technology.
- Mobile block made entirely of stainless steel, consisting of piston and seal holder.
- Galvanised or stainless steel lever, consisting of a rod and a system of joints that transmit the movement of the float to the plug, causing the valve to open and close.
- Designed for angle installation.
- Single compensated seat guaranteeing high operating precision and a perfect seal even at low pressures.
- Variable motion and water hammer phenomena are avoided thanks to the autonomous movement of the plug, which opens and closes regardless of the incoming water pressure.
- Possibility of inserting a stainless steel extension pipe Ø 76.1X1.5 mm to convey the fluid into the tank.

Construction details





No.	Component	Standard material	Optional
1	Body	ductile cast iron GJS 450-10	
2	Cap	AISI 303	AISI 316 stainless steel
3	O-ring	NBR	EPDM/Viton
4	Slip ring	PTFE	EPDM/Viton
5	Lip seal	NBR	AISI 316 stainless steel
6	Piston with shaft	AISI 303 stainless steel	AISI 316 stainless steel
7	Plug seat	AISI 303 stainless steel	EPDM/Viton
8	O-ring	NBR	polyurethane
9	Flat gasket	NBR	AISI 316 stainless steel
10	Plug plate	AISI 303 stainless steel	AISI 316 stainless steel
11	Clamping nut	AISI 303 stainless steel	AISI 316 stainless steel
12	Guide bushing	AISI 304 stainless steel	AISI 316 stainless steel
13	Grub screw	AISI 304 stainless steel	AISI 304/316 stainless steel
14	Fixed upper and lower joints	galvanised steel Fe 37	AISI 316 stainless steel
15	Joint pins	AISI 303 stainless steel	AISI 316 stainless steel
16	Shaft joint	galvanised steel Fe 37	AISI 316 stainless steel
17	Float rod	galvanised steel Fe 37	AISI 304/316 stainless steel
18	Hex head screw	galvanised steel Fe 37	stainless steel
19	Float	polyethylene	AISI 316 stainless steel
20	Conveyance pipe (optional)	AISI 304 stainless steel	AISI 316 stainless steel
21	Hex head screws (optional)	AISI 304 stainless steel	AISI 316 stainless steel
22	Insert for threaded outlet 1"1/2	AISI 304 stainless steel	AISI 316 stainless steel

Operating conditions

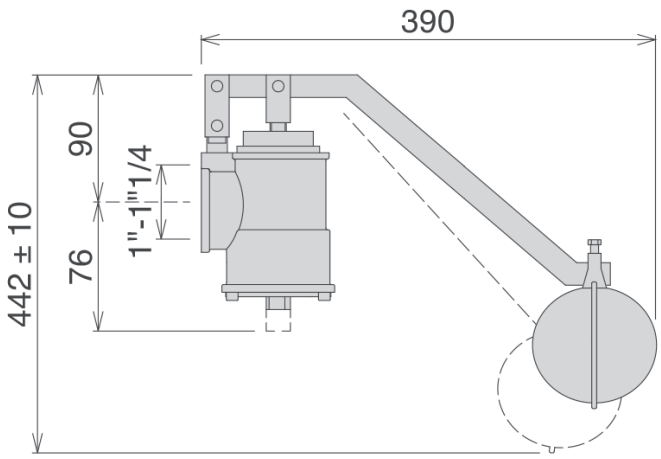
Fluid	treated water
Maximum temperature	70°C
Maximum pressure	16 bar (higher pressure values on request)

Kv: 12,6 m3/h. The coefficient Kv represents the flow rate that produces a pressure drop of 1 bar in the fully open valve.

Standard

- Certification and testing according to EN 1074/5
- Flanges with drilling according to EN 1092-2
- RAL 5005 blue epoxy paint applied with fluid bed technique

Modifications to flanges and painting on request.



Sustainability

Here at Pietro Fiorentini, we believe in a world capable of improvement through technologies and solutions that can shape a more sustainable future. That is why respect for people, society and the environment form the cornerstones of our strategy.

Our commitment to the world of tomorrow

While in the past we limited ourselves to providing products, systems and services for the oil & gas sector, today we want to broaden our horizons and create technologies and solutions for a digital and sustainable world, with a particular focus on renewable energy projects to help make the most of our planet's resources and create a future in which the younger generations can grow and prosper.

The time has come to put the why we operate before the what and how we do it.

Pietro Fiorentini

TB01981ENG

H-FLOAT TH_technicalbrochure_ENG_revB

www.fiorentini.com

Product designed and manufactured by **CSA S.r.l.** and distributed by **Pietro Fiorentini S.p.A.**