

Brass Magnetic Filter



Introduction

The brass magnetic filter is a filter used in HVAC systems, which can adsorb and filter iron impurities in the medium, preventing oxidation from adhering to the inner walls of equipment and pipelines and affecting heat dissipation. At the same time, the built-in filter can block large particles and flocculent impurities to protect pipelines and equipment.

Technical data

Material

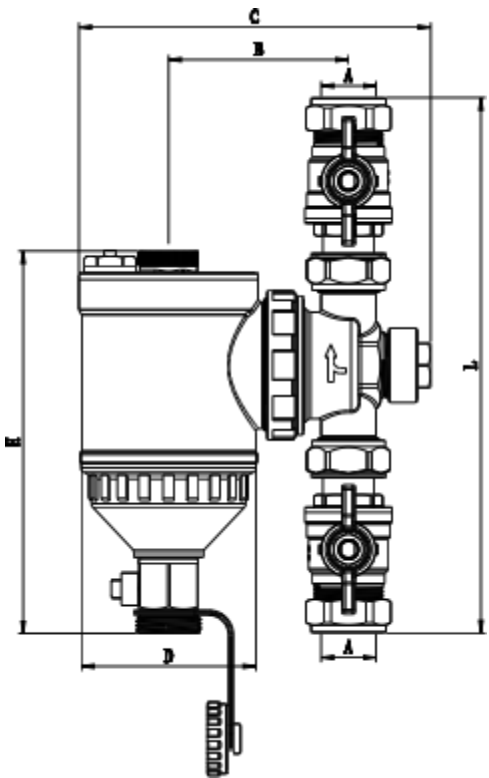
Body: Cap: Rotating Joint:	HPb59-3 HPb59-3
Ball valve:	HPb59-3 HPb59-3
Air-vent:	HPb59-3
Drain-off valve:	HPb59-3 EPDM
SEALING:Filter:	Stainless steel 304

Magnetic bar: NdFeB

Performance

Applicable media:	water, ethylene glycol solution
Working pressure:	4bar
Working temperature:	0~90°C
Particle filtration:	0.8mm
Magnetic force:	10000GS
KVS:	4.8m³/h

Connection: G¾ x G¾ (ISO228-1)
22mm x 22mm (EN1254-2)

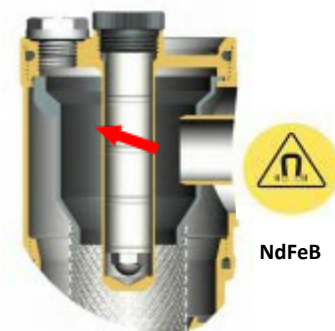
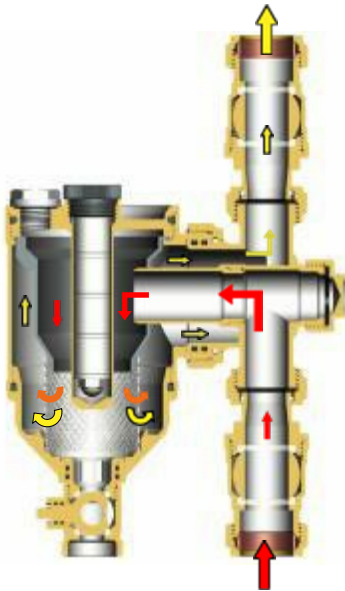


A	B	C	D	H	L	Weight
G3/4	72	141	70	154	215	2000

Operating principle

- 10000GS strong magnetic field covers the entire cup body
- 0.8mm small particle impurity precise filtration
- Simple structure, easy to disassemble and wash
- The overall use of reliable metal materials

The Brass magnetic filter is designed with a magnetic field covering the entire cup body. The medium passes through the magnetic field twice according to the internal structure of the product, allowing impurities to be more fully adsorbed. The built-in filter can block particles and flocculent impurities that are prone to clogging. The internal cavity design capacity of the product reaches 250mL, which can adsorb more impurities without affecting the pipeline flow rate. The magnetic rod design does not directly contact the medium. After removing the magnetic rod, impurities can be easily discharged through the drain valve

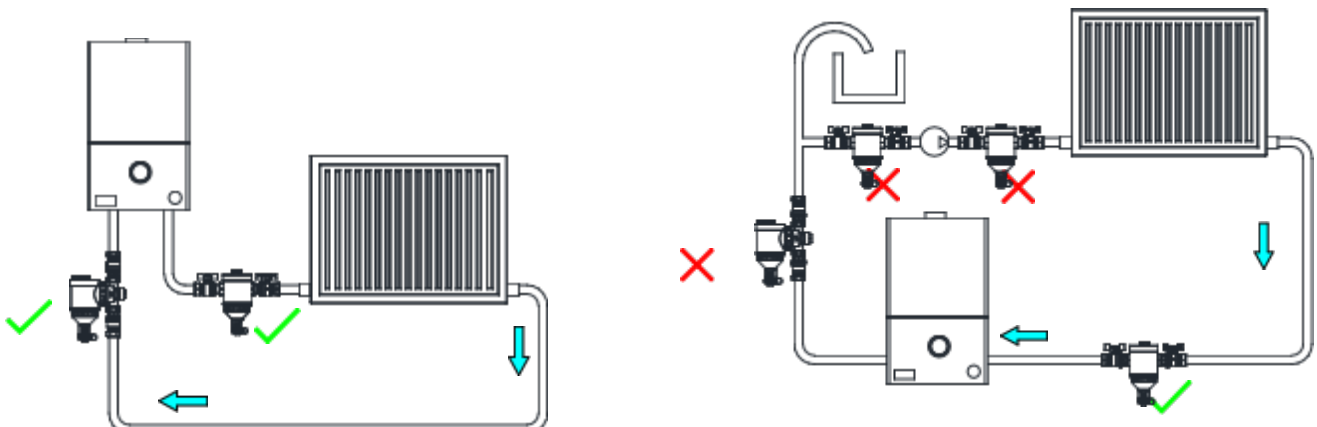


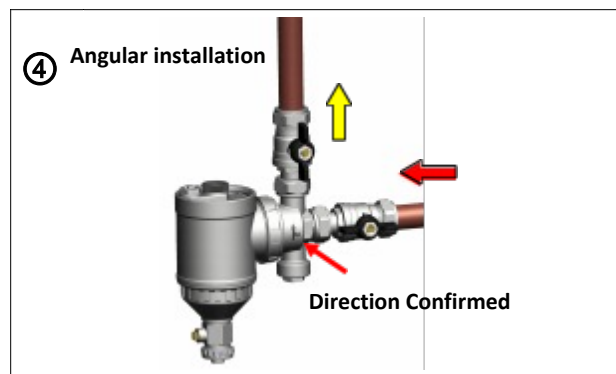
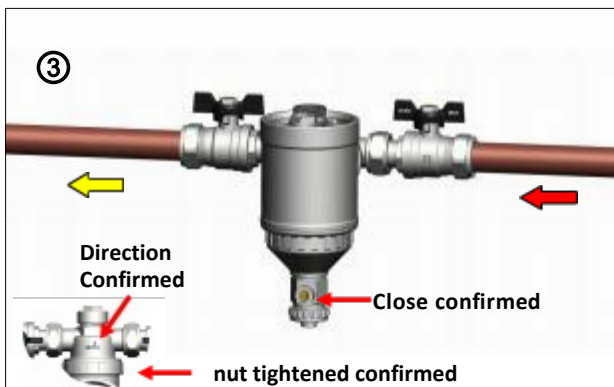
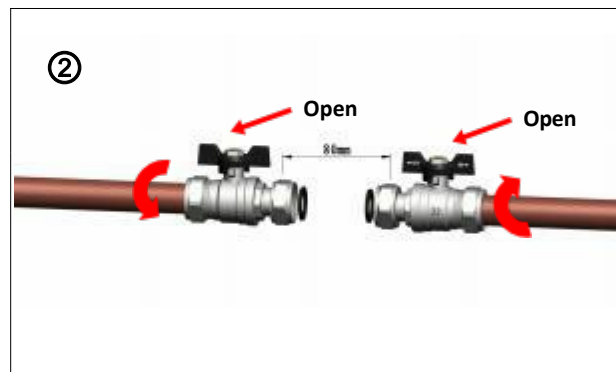
Special Structure:

The magnetic rod design does not directly contact the medium. After removing the magnetic rod, impurities can be easily discharged through the drain valve for easy cleaning and maintenance.

Installation Instructions

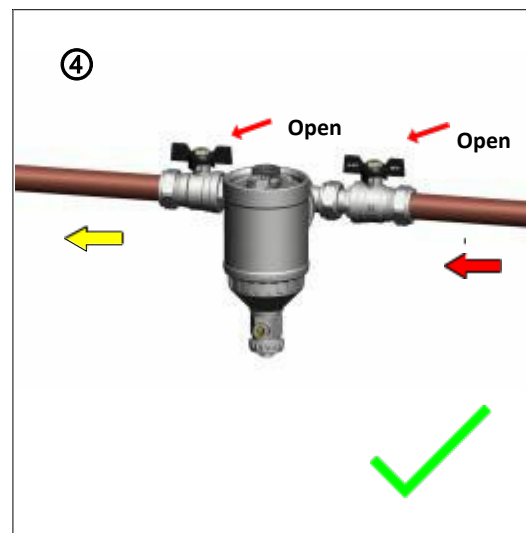
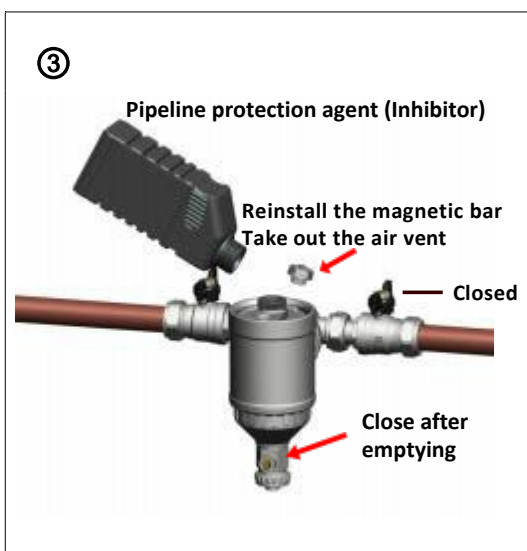
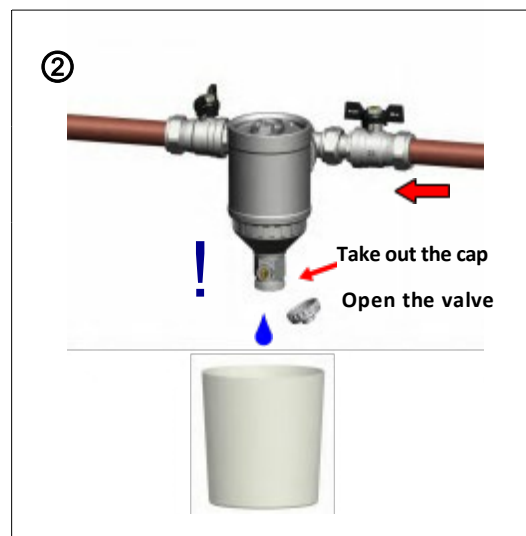
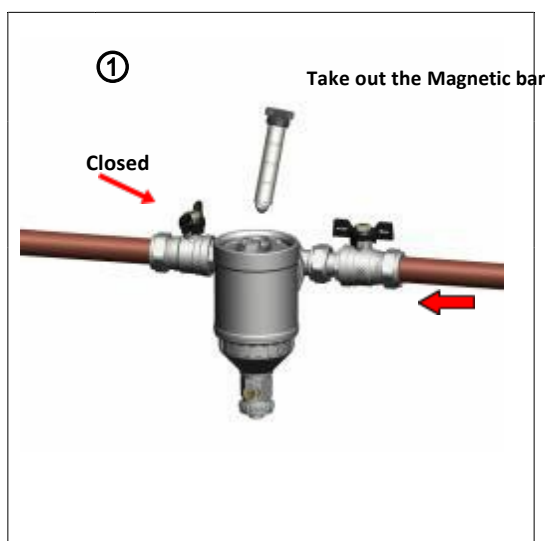
Warning: Before installing the magnetic filter, check the working conditions of the system, such as water pressure and temperature, to ensure that it is within the working range. The magnetic filter has a strong magnetic field inside, and the product's magnetic field may damage nearby electronic devices (including pacemakers♥) and other precision instruments.



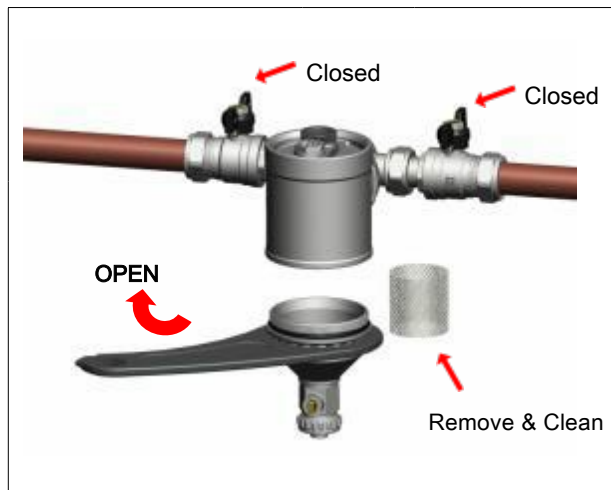


Maintenance

Before the start of each heating season, it is necessary to maintain and repair the magnetic filter, clean the impurities adsorbed inside, and replace the pipeline protector. Consider removing the cup for cleaning based on the degree of dirt discharged or when it cannot be released through the drain valve.



⚠ Attention: When the product needs to be disassembled and thoroughly cleaned, it must be used. Open the special wrench provided by the original factory according to the method shown in the figure on the right.



Performance Overview

- Brass standard magnetic filter.
- Main body HPb59-3
- Brass is nickel plated.
- Pipeline connection port diameter G3/4xG3/4(ISO228-1) \ 22mmx22mm (EN1254-2).
- Main sealing material is EPDM.
- Filter mesh aperture size 0.8mm.
- Ball valve body material HPb59-3.
- Magnetic force 10000 Gauss.
- Applicable media: water, ethylene glycol solution, maximum proportion of ethylene glycol is 30%.
- Max working pressure is 4 bar.
- Working temperatures 0 - 90°C
- Max Flow Rate: KVS is 4.8m³/h.