

Installation Instructions for Alpha Cyclone Plus Boiler Mounted Magnetic Cyclone Filter.

Description

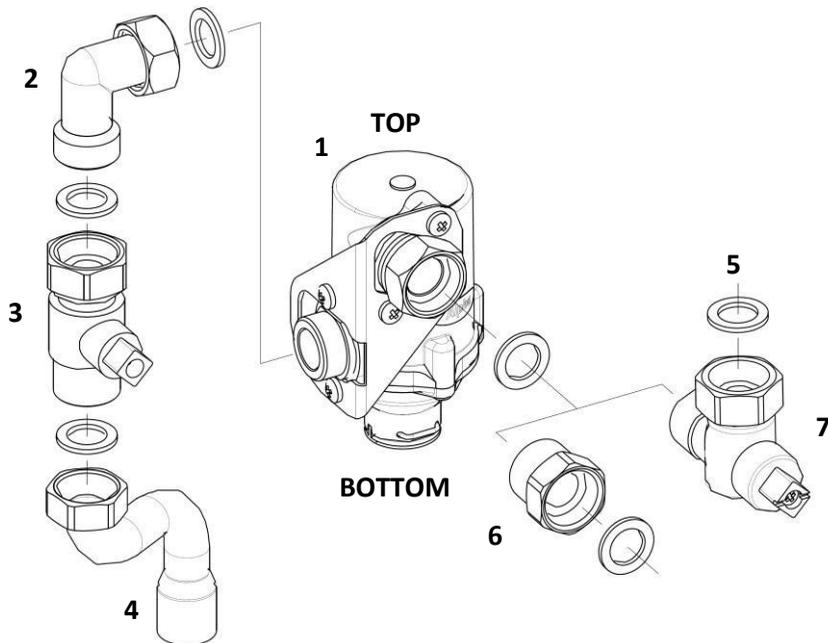
The Alpha Cyclone Plus is designed to fit directly to the return valve of an Alpha wall hung condensing boiler. Its purpose is to remove debris from the primary water before it enters the boiler, in doing so helps to prevent restrictions in the boiler and maintains boiler efficiency.

Note: The Magnetic Cyclone should in no way be used as a device to clean an existing dirty heating system and systems must be cleaned and flushed as recommended in the boiler installation manual.

In order to preserve the full warranty of the boiler, both the boiler and filter must be serviced and cleaned yearly by an approved engineer.

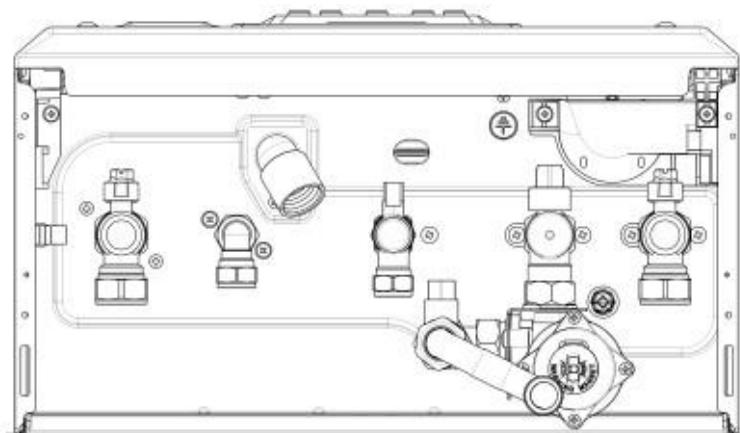
Kit Contents

1. Cyclone Body
2. Connection Elbow
3. Straight isolation valve
4. 22mm Connection Pipe
5. Fibre Washer x 5
6. Boiler Adaptor (For use with Intec 30C, 34C only)
7. Angled isolation valve (For use with ECO² & E-Tec/Evoke only)



Installation - E-Tec/Evoke and ECO² boilers

1. The straight boiler adapter (6) from the Cyclone kit, is not required and can be recycled.
2. Connect items 1-4 & 7 together, using washers as shown in the kit contents diagram.
3. Attach the Cyclone assembly to the boiler as shown below. **The Cyclone MUST be installed vertically, with the magnet withdrawn from the bottom.**
4. When the connections have been tightened, fill the heating circuit and make sure the boiler and cyclone isolation valves are open.
5. Vent any air from the heat exchanger via its bleed vent (ECO² models only) and make sure the primary circuit is charged to 1bar. (See boiler Instructions for further details)
6. Allow sufficient space below the boiler for the unit to be drained and cleaned during the boiler service intervals.



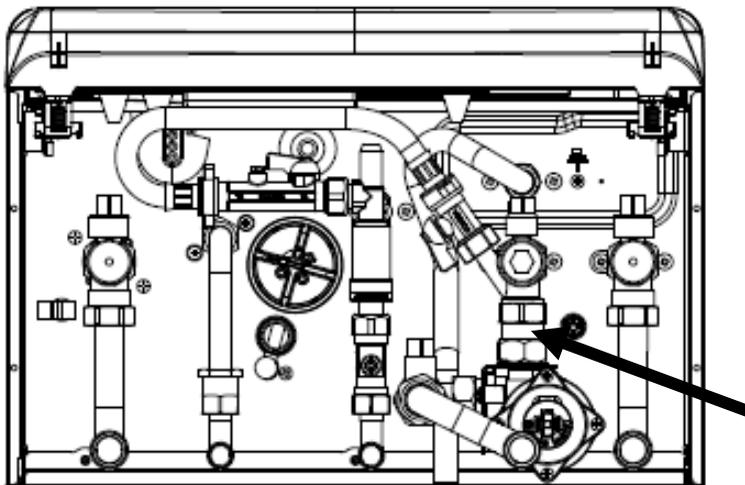
Cyclone assembly fitted to an E-Tec/Evoke & ECO²

Installation - InTec² boilers

1. The straight boiler adapter (6), angled isolation valve (7) from the Cyclone kit, and the copper return tail provided in the boiler fittings pack are not required and can be recycled.
2. Connect items 1-4 together, using washers as shown in the kit contents diagram.
3. Attach the Cyclone assembly to the boiler using the return isolation valve supplied in the boiler fittings pack. **The Cyclone MUST be installed vertically, with the magnet withdrawn from the bottom.** When the connections have been made, and tightened, fill the heating circuit and make sure the boiler and cyclone isolation valves are open.
4. Vent any air from the heat exchanger via its bleed vent and make sure the primary circuit is charged to 1bar. (See boiler instructions for further details)
5. Allow sufficient space below the boiler for the unit to be drained and cleaned during the boiler service intervals.

Installation - InTec 30/34C Boilers

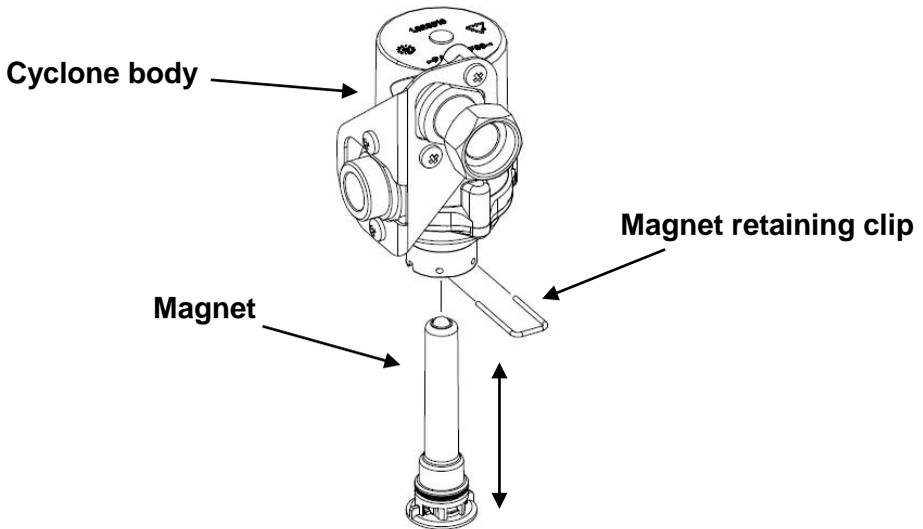
1. The return isolation valve (7) from the Cyclone kit, and the copper return tail provided in the boiler fittings pack are not required and can be recycled.
2. Connect items 1-6 together, using washers as shown in the kit contents diagram above.
3. Attach the Cyclone assembly to the boiler using the return isolation valve supplied in the boiler fittings pack as shown below. **The Cyclone MUST be installed vertically, with the magnet withdrawn from the bottom.** When the connections have been made, and tightened, fill the heating circuit and make sure the boiler and cyclone isolation valves are open.
4. Vent any air from the heat exchanger via its bleed vent and make sure the primary circuit is charged to 1bar. (See boiler instructions for further details)
5. Allow sufficient space below the boiler for the unit to be drained and cleaned during the boiler service intervals.



Boiler Adaptor (6) to be used on InTec 30/34C models.

Cleaning the Magnetic Cyclone.

The filter unit must be isolated and cleaned regularly as part of the boiler annual service.



1. Close the isolation valves connected to the cyclone and the boiler return.
2. Place a container underneath the Cyclone and remove the retaining clip by pulling it forwards with a pair of pliers. (The unit holds approx. 200ml of fluid)
3. Pull the magnet downwards to withdraw it from the Cyclone body; a small amount of water will flow out of the Cyclone.
4. Using a cloth wipe any magnetite from the magnet.
5. Reassemble in reverse order
6. Open the isolation valves

Spare parts list

1.	Cyclone body	3.024171
2.	Brass connection elbow	3.013115
3.	Isolation valve	1.018129
4.	22mm connection pipe	1.035540
5.	¼ Fibre washer	1.023992
6.	Magnetic Cartridge (without O-ring)	3.023108
7.	Magnetic Cartridge O-ring	1.026459
8.	¼" angled isolation valve	1.014685

1.040867 rev. ST.003072/000