



**Installation and Care of Solutions’ Magnetic Trap (MT)**

**Installation**

The MT can be installed horizontally or vertically, with the inlet above or below the outlet, as per sketch. The inlet port is 1/8” FNPT and the outlet port is a 1/4” tube stub. We suggest the use of compression type tube fittings.

We recommend the installation of a three-way valve downstream of the MT with one leg feeding the analyzers and the other flowing to a sink or drain as shown in sketch.

The MT should be installed downstream of the sample coolers and flow control element as the MT is rated for 200 psi @ 25°C.

Leave 8” clearance for removal of the Magcore element.

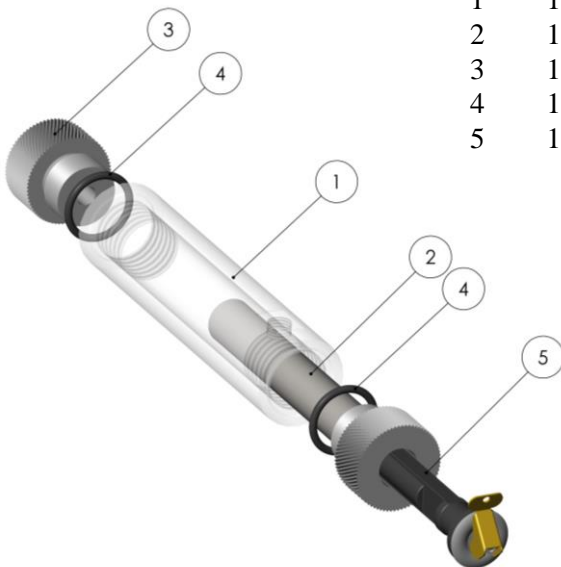
**Maintenance**

To clean the MT-10-A divert the downstream flow to a drain away from the analyzers with a three-way valve. Once sample is flowing to the drain remove the Magcore element from the drywell releasing the captured particles and flushing them to the drain. Replace the Magcore element and return the flow to the analyzers.

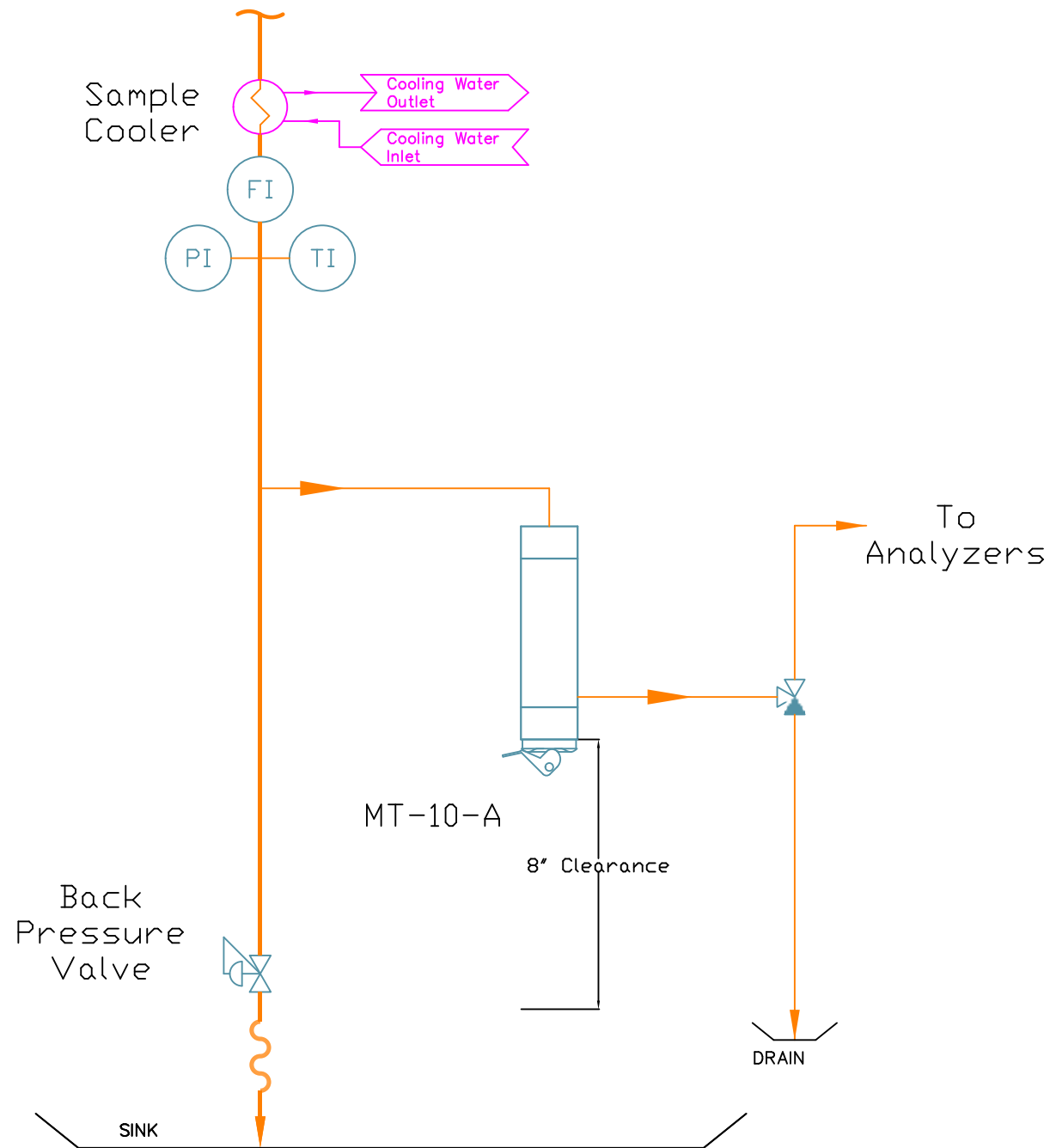
To remove the magnetic core pull up on the plug handle to release the seal. The magnet can then be removed from the drywell. To secure the magnetic core turn the cam handle until it is snug. Place the magnetic core all of the way into the drywell then snap the handle down.

**Replacement Parts:**

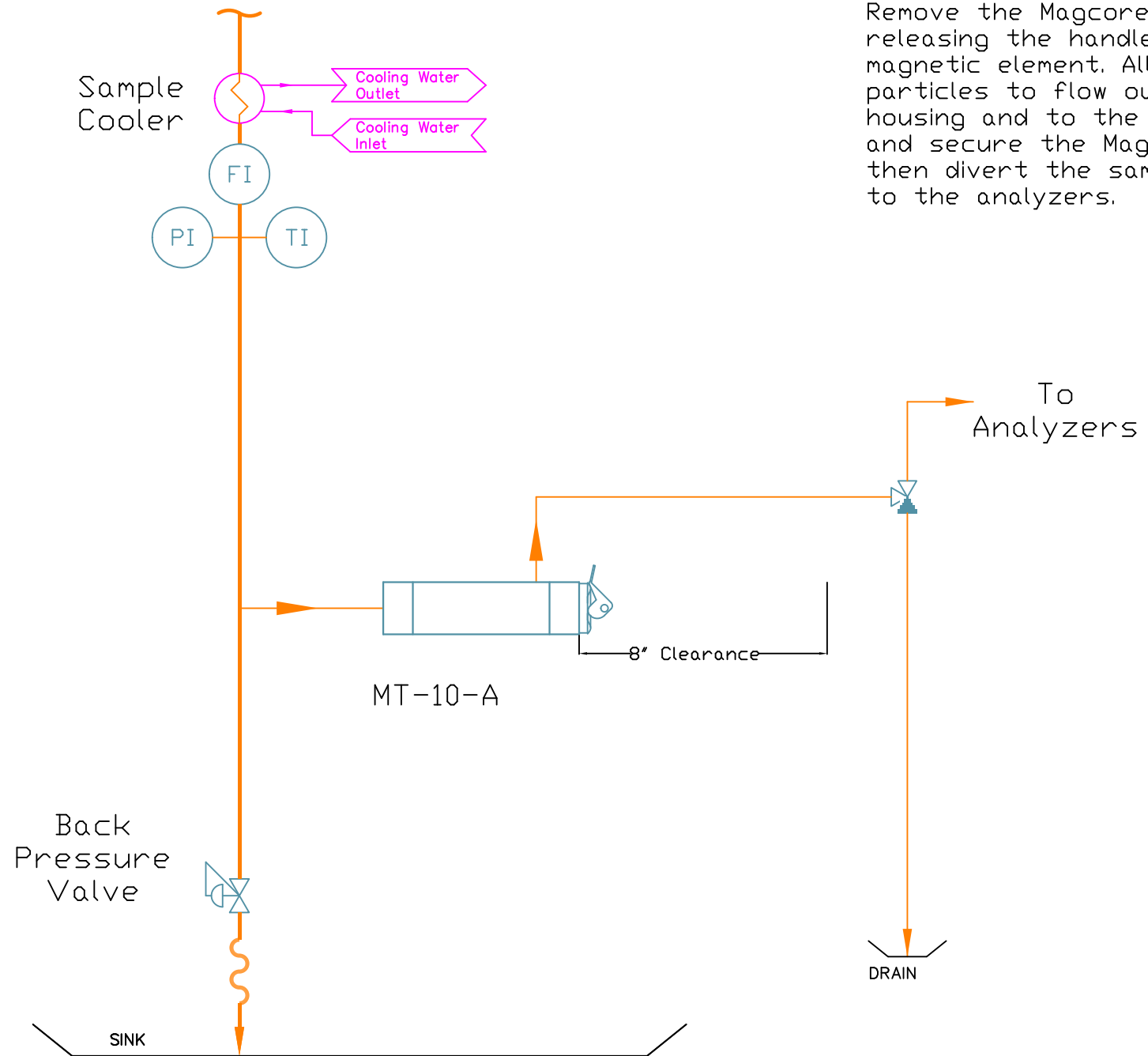
<u>Item #</u>	<u>P/N</u>	<u>Description</u>
1	1-0030	Housing, MT, Acrylic Tube
2	1-0031	Drywell, MT, Flow Path, 316 SS
3	1-0036	Bottom Cap, MT, Knurled, 1/8", NPT 316 SS
4	1-0037	O-Ring, MT
5	1-0040	Magcore, Assy, Magnetic Core



Mounting Option 1



Mounting Option 2



NOTES:

Install a three-way valve after the MT to direct the debris to drain when flushing the MT.

TO CLEAN THE MT:

Divert the downstream flow to a drain with the three-way valve. Remove the Magcore element by releasing the handle of the magnetic element. Allow contaminant particles to flow out of the housing and to the drain. Replace and secure the Magcore element then divert the sample flow back to the analyzers.

No.	Date	Revision	By	Approved
0	8/16/12	Suggested piping layout	AGT	
01	9/27/12	Modification to instructions	AGT	
02	4/8/13	Allow for mounting upside down	AGT	
03	5/24/13	Renamed Magnetic Trap	AGT	