



Instruction Sheet

3/4" - 2" 4900 Series™

Magnetic Dirt Separator

102-562

SUPERSEDES: NEW

EFFECTIVE: December 5, 2018

Plant ID No. 001-5015



WARNING: System fluid may be dangerously hot and could cause serious injury. Allow the system fluid to cool before installing this Magnetic Dirt Separator or opening the blow down valve.

INSTALLATION INSTRUCTIONS

1. The Taco® 4900 Series™ Magnetic Dirt Separator should be installed on the return side of the boiler or terminal heating (or cooling) unit as shown in Figure 1.
2. The Taco magnetic dirt separator should be installed in a horizontal line in a vertical (or upright) position (See Figure 1) with the blowdown valve pointed down toward the floor. It will not operate properly if installed at an angle, sideways, or upside down.
3. The Taco magnetic dirt separator may be installed so that the flow direction is either RIGHT to LEFT or LEFT to RIGHT.
4. The maximum allowable velocity within the Taco magnetic dirt separator is 5 ft/sec.
5. The Taco magnetic dirt separator is intended for installations filled with 100% water or approved glycol solutions (**Do Not Exceed 50% Glycol**) for hydronic heating or cooling systems.
6. Install the blow down valve (provided in the box) into the 1/2" tapered threads of the separator. Use common plumbing practices for 1/2" tapered threads to prevent a joint leak once the system is filled.

NOTE: This is an ISO 7/1 thread, do not install an NPT threaded valve.

NOTE: Power off the circulator before removing magnetic ring.

7. To blow out the impurities collected in the magnetic dirt separator remove the magnetic ring (Figure 2), place a bucket under the valve (Figure 3), open the blow down valve for 3-5 seconds and then close it. Replace the magnetic ring (Figure 4).
8. Please leave these instructions with the end user.
9. Taco magnetic dirt separators should be installed by qualified professionals.



CAUTION: Follow all local codes when installing this product. Consult local authorities for any code requirements.

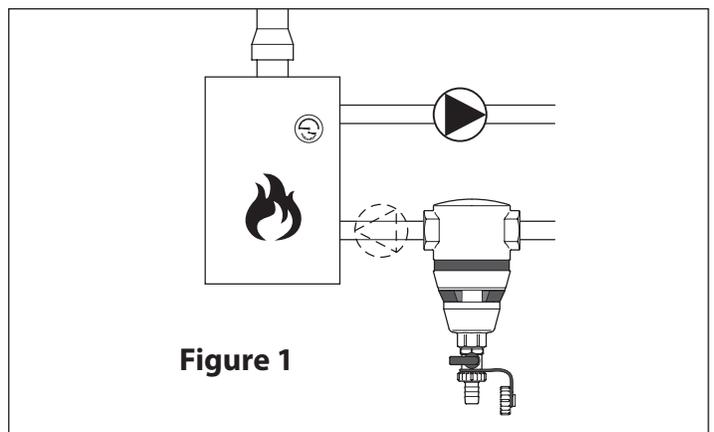
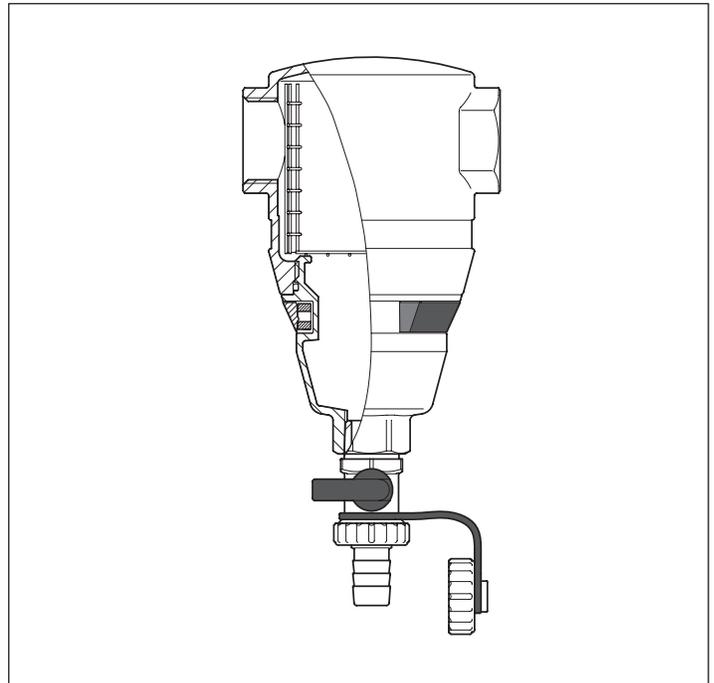


Figure 1

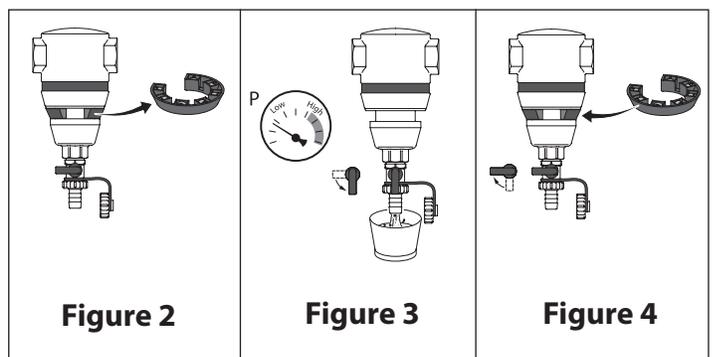


Figure 2

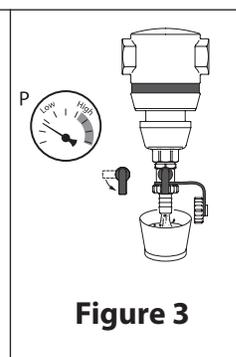


Figure 3

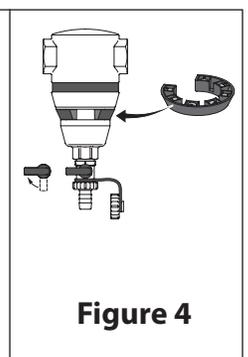
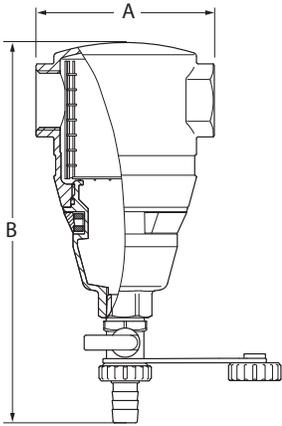


Figure 4

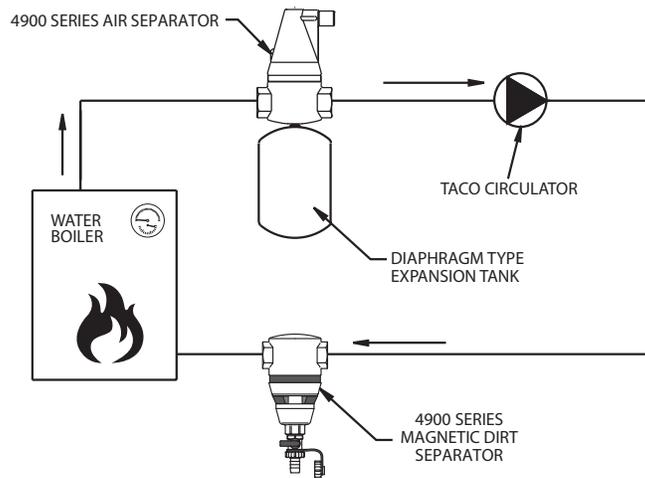


NPT Models	Connection Size (in.)	A		B	
		in.	mm	in.	mm
49MD-075T-2	3/4"	3.78	96	7.60	193
49MD-100T-2	1"	4.37	111	8.41	213.5
49MD-125T-2	1-1/4"	4.49	114	9.21	234
49MD-150T-2	1-1/2"	4.49	114	9.21	234
49MD-200T-2	2"	5.16	131	10.06	255.5

Sweat Models	Connection Size (in.)	A		B	
		in.	mm	in.	mm
49MD-075C-2	3/4"	4.21	107	7.60	193
49MD-100C-2	1"	4.80	122	8.41	213.5
49MD-125C-2	1-1/4"	5.20	132	9.21	234
49MD-150C-2	1-1/2"	5.43	138	9.21	234

Replacement Parts	
49MD-001RP	Magnetic Ring
49MD-002RP	Blow Down Valve

Typical Installation



LIMITED WARRANTY STATEMENT

Taco, Inc. ("Taco" or the "Company") will repair or replace without charge (at the Company's option) any Taco product or part which is proven defective under normal use within one (1) year of the date code.

In order to obtain service under this warranty, it is the responsibility of the purchaser to promptly notify the local Taco stocking distributor or Taco in writing and promptly deliver the subject product or part, delivery prepaid, to the stocking distributor. For assistance on warranty returns, the purchaser may either contact the local Taco stocking distributor or Taco. If the subject product or part contains no defect as covered in this warranty, the purchaser will be billed for parts and labor charges in effect at time of factory examination and repair.

Any Taco product or part not installed or operated in conformity with Taco instructions or which has been subject to misuse, misapplication, the

addition of petroleum-based fluids or certain chemical additives to the systems, or other abuse, will not be covered by this warranty.

If in doubt as to whether a particular substance is suitable for use with a Taco product or part, or for any application restrictions, consult the applicable Taco instruction sheets or contact Taco at [401-942-8000].

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