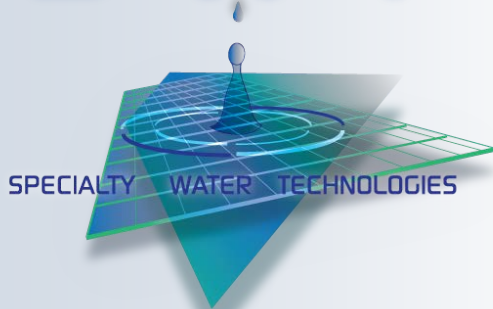


Operation Manual

S W T



Media Extractor A-AE-EXT-150

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Section 1.1**WARNINGS AND CAUTIONS**

WARNINGS

- Read this manual in its entirety before operating the Media Extractor.
- Misuse, improper operation, and/or improper monitoring of this equipment could result in serious injury, death, or other serious reactions to the end users of the equipment.

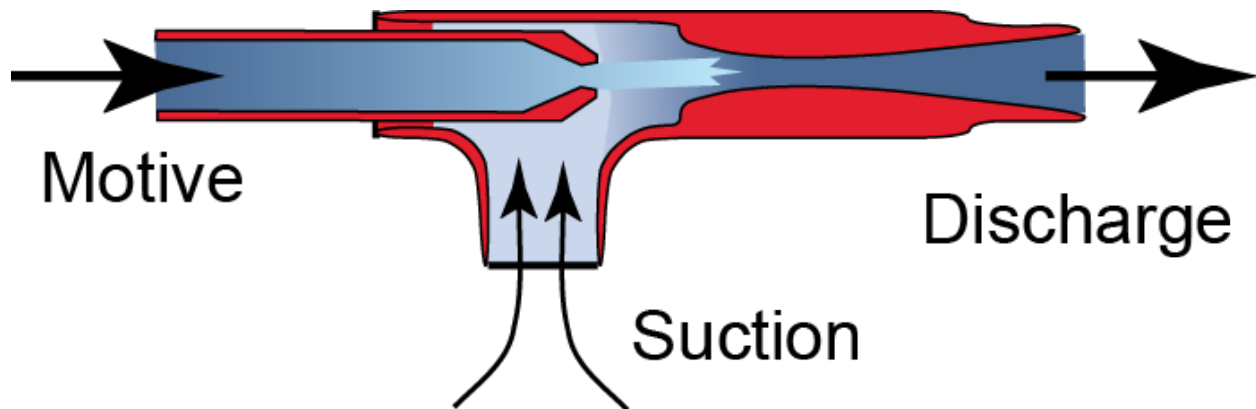
CAUTIONS

- It is the responsibility of the governing body of the facility to ensure that all applicable regulations regarding the installation and operation of this system are observed.
- Only authorized personnel can install, perform service, or perform maintenance to the Media Extractor.

Section 1.2**THEORY OF OPERATION**

The SWT Media Extractor is used to remove media from a media tank. The configuration facilitates the extraction using a "Venturi" effect.

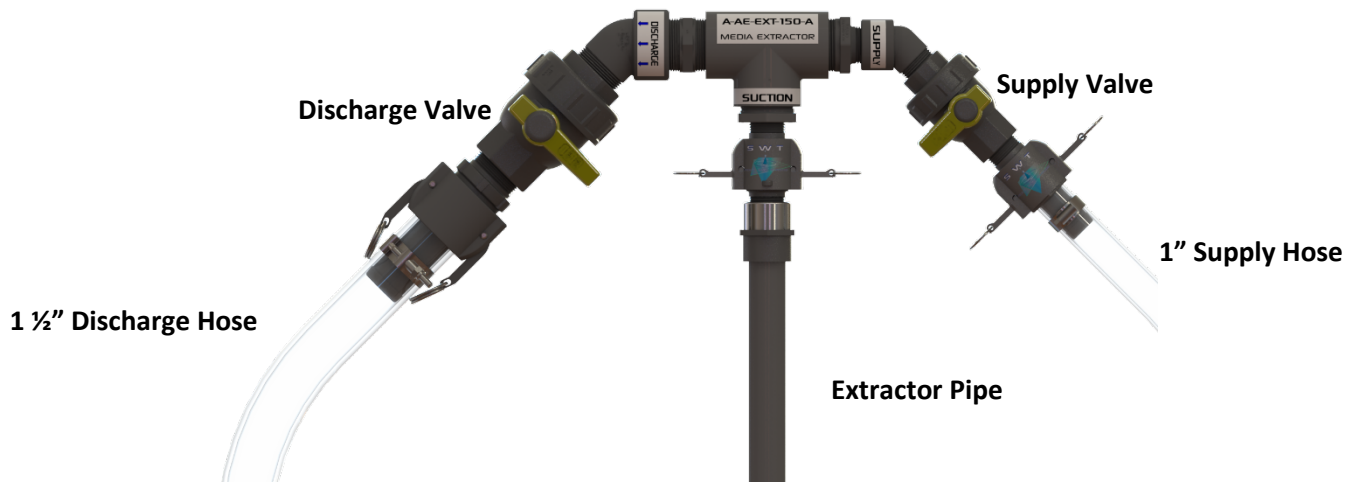
By passing water across the extraction tube, a suction effect will take place and pull the media from the tank.



The extracted media flows into the waste tank where water is filtered out and the media is captured in a burlap bag for easy disposal.

Section 1.3

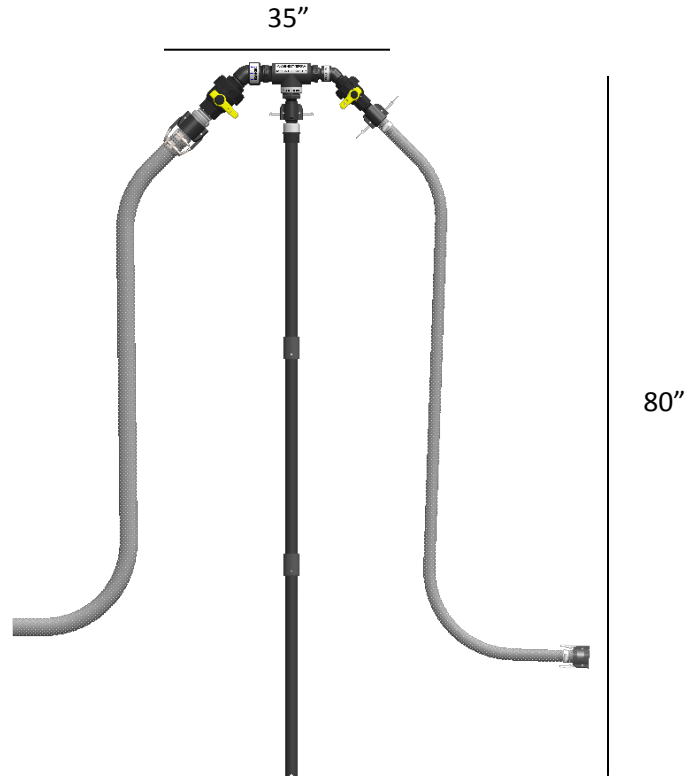
SYSTEM ILLUSTRATION



Section 2.1

SPECIFICATIONS

DIMENSIONS AND WEIGHT:

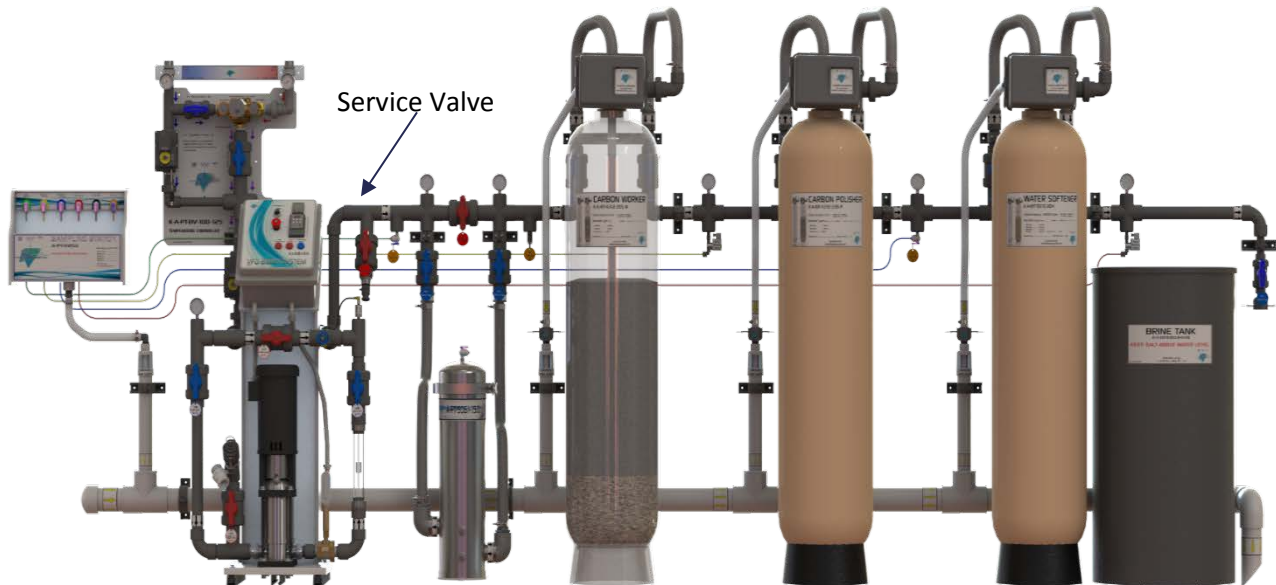


Waste Receptacle is:
27" W x 34" D x 41" H
Weight - 86 Pounds

Section 3.1

INSTALLATION

The Service Valve, included in kit, must be installed prior to use of the Media Extractor. Please examine the pre-treatment water purification configuration and ascertain if there is one existing in the system.



Typical Pre-Treatment Configuration with Service Valve

Ensure there are no hemodialysis treatments in progress before servicing water purification system.

Choose the Tee fitting that fits your pipe. A 1" and a 1½" tee is provided.

Turn off Reverse Osmosis System.

Shut off water supply.

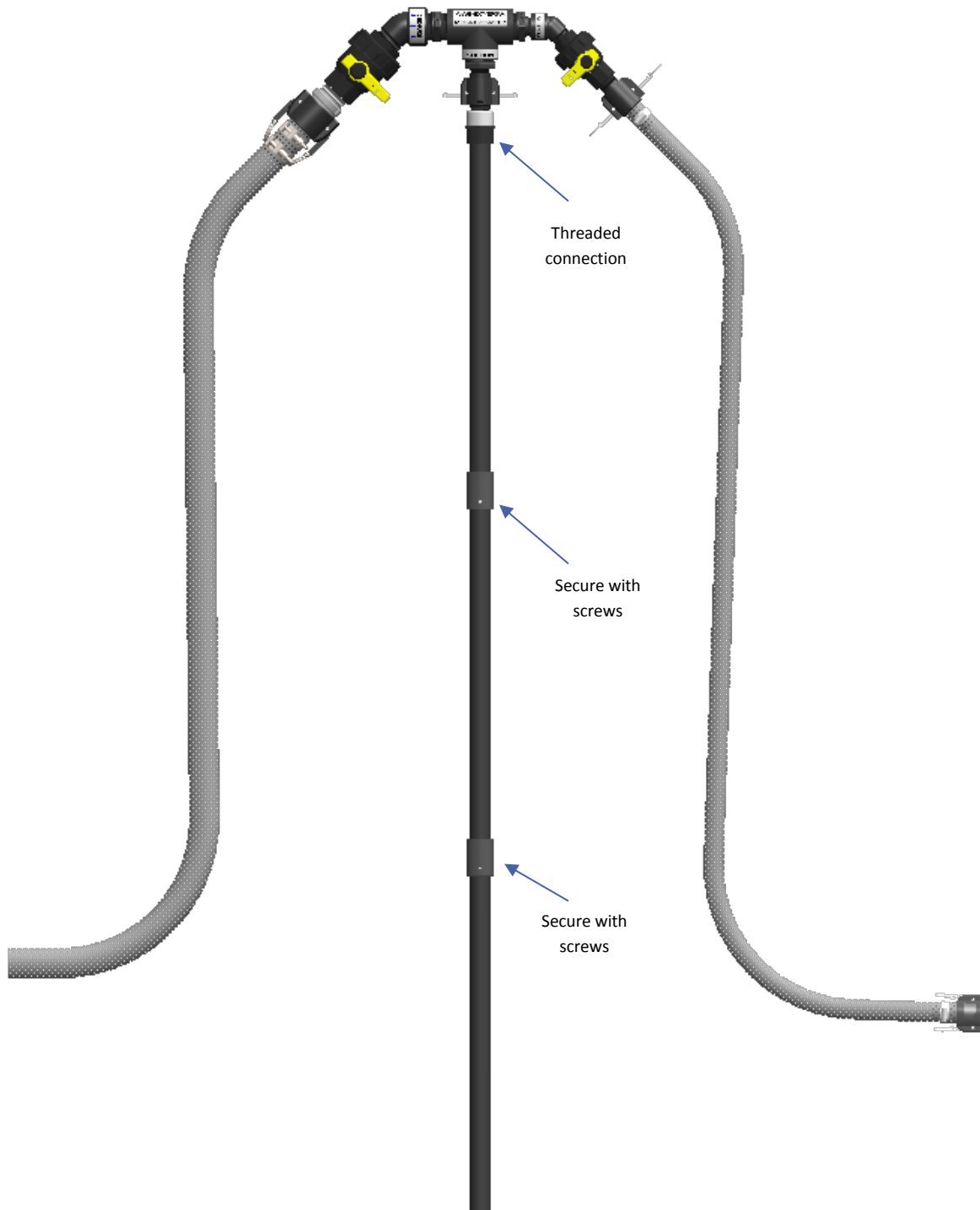
Install per facility protocol by cutting existing pipe and gluing the fittings.

Please call 615-654-4441 if you need assistance.



Section 3.2**ASSEMBLY**

Assemble as shown in diagram. Use screws provided to secure the sections of the Extractor Pipe. Depending on height of ceiling in room, Extractor Pipe may need to be assembled as it is being placed into tank.



Section 3.2**ASSEMBLY**

Assemble as shown in diagram initially placing the Drain Hose on Drain 1 (Top) connection, keeping the bottom connection capped. Drain Hose can be moved to Drain 2 (Bottom) when emptying and cleaning the container.



Section 4.1**OPERATION**

Ensure there are no hemodialysis treatments in progress before servicing the water system.

1. Turn the Reverse Osmosis system off.
2. Remove the Media Tank Head.
3. Assemble Extractor as instructed above.
4. Place the Extractor Pipe beside the Riser Tube being very careful not to crack laterals if they are installed in tank. (Do not try to put it inside the Riser Tube).
5. Connect the 1" Supply Hose to the Service Valve.
6. Connect the Drain Hose to Drain 1 on Waste Tank.
7. Place burlap bag inside of Lid Filter on Waste Tank and place the Discharge Tube inside the burlap bag.
8. Turn water supply on to Service Valve.
9. Slowly open Supply Valve.
10. Open Discharge Valve Quickly to obtain the venturi effect.
11. Pause extraction to let burlap bag drain of water before changing bag out.
12. Continue to flush tank until media is cleared. May have to close and open the Discharge Valve during operation to keep media flowing.

Section 4.2**TROUBLESHOOTING**

Extraction Pipe may obstruct with Media.

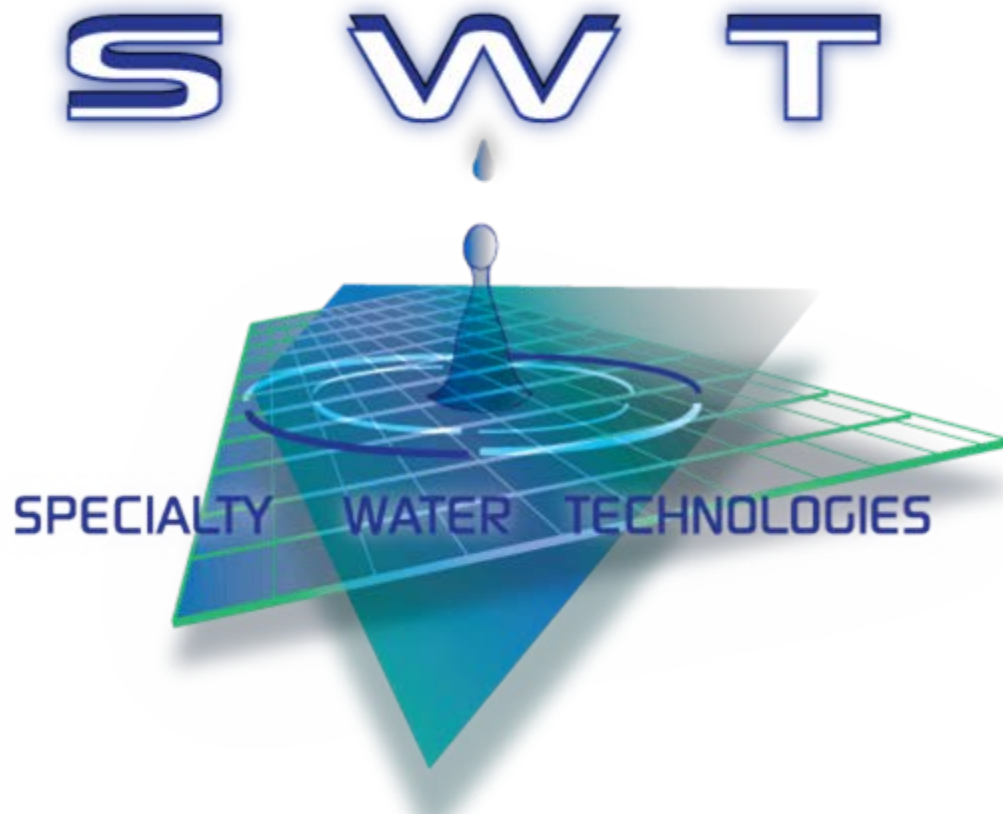
If nothing is flowing out of Discharge Hose, close Discharge Valve and let water flow down Extractor Pipe to clear and then open Discharge Valve to create Venturi and continue with extraction.

Tank may empty of water before extraction is complete.

Close Discharge Valve and let tank fill, then open Discharge Valve to create Venturi and continue with extraction.

Section 5.1**ROUTINE MAINTENANCE**

- Rinse extractor pipe, tubing and waste container with water after use.
- Store equipment in a clean dry place.
- Inspect for cracks or leaks in fittings.



Media Extractor Operation Manual Rev. 5_2016
Manual P/N: OM-MEDIA-EXTRACTOR

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