

OD-20



Odour Control Filter Assembly for Wastewater Air Valves

Description

The Odour Control Filter Assembly unit is ready for use and can be installed on A.R.I. combination air valves for wastewater.

The unit absorbs the noxious odours emitted from a wastewater system, which are a nuisance in both the residential as well as in the municipal environment.

The unit is portable and the spent activated carbon is easily disposable.

No heavy equipment is needed and installation is simple and fast.

Installation

Manhole Installation

- The Odour Control Filter Assembly is shipped fully assembled and ready to be attached to the A.R.I. Wastewater Air Valves.
- The Odour Control Filter Assembly can only be connected to air valves having an assembled Camlock F Type Adaptor in their discharge outlet. If this not the case, please call an A.R.I. service representative to obtain the correct parts.
NOTE: For Models D-23 & D-26, the Camlock F Type Adaptor will be included separately with the full assembly and will need to be threaded into the air valve discharge outlet.
- The installation of the Odour Control Filter Assembly with the connected A.R.I. Wastewater Air Valve will require a minimum width of 1.5M in the manhole (Fig. 2). The height of the unit will depend on the location of the Odour Control Filter Assembly.
- Optional Installations – the Odour Control Filter Assembly can be installed either on a cement block (Fig. 1) or in a hanging position by attaching a hook to the manhole construction and connecting the Odour Control Filter Assembly to it by using the two hoisting rings found on the assembly cover (Fig. 2).

Installation of Odour Control Filter Assembly – Refer to Fig. 1

1. Attach the Camlock Coupler B (2) of the Odour Control Filter Assembly to the Camlock Adaptor F (1) on the wastewater air valve.
2. Securely close the two fasteners on the Camlock Coupler B.
NOTE: The unconnected side of the “T” connection containing the Check Valve One-Way In (6) must be unobstructed and able to freely intake air. The “T” connection can be rotated to insure the check valve has unobstructed clearance.
3. Place a concrete support block or any other type of level support block (at least 20 cm in height) on the ground next to the wastewater valve.
NOTE: Make certain that there are no kinks in the tubing and the filter cartridge is above the water level in case of flooding in the manhole.
4. Stand the Odour Control Filter Assembly unit (12) level on the support block.
5. The unit is now connected and installed and will operate automatically.

Air Valve Type	D-020 D-025 D-025L	D-020 D-025 D-025L	D-23 3" D-26 2"	D-23 4" D-26 3"
Filter Model	1214	1620	1620	1630
Maximal Flow Capacity	350 m ³ h	713 m ³ h	713 m ³ h	1000 m ³ h
Hose & Connection Size	1½"	1½"	2"	3"
Filter Body Dimensions	H = 440 mm L = 365 mm	H = 590 mm L = 455 mm	H = 590 mm L = 455 mm	H = 890 mm L = 455 mm
Gross Weight	14 kg	27 kg	27 kg	45 kg
Est. Carbon by Weight	7 kg	18 kg	18 kg	31 kg
Est. Carbon by Volume	12.5 liter	32.5 liter	32.5 liter	50 liter

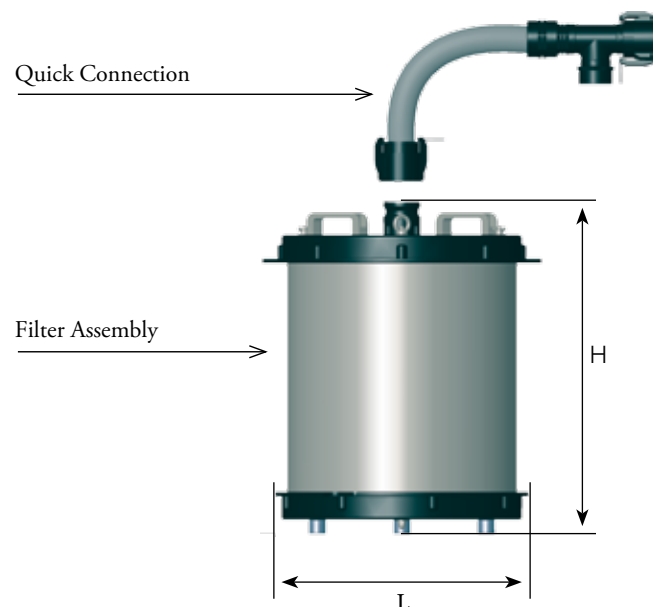
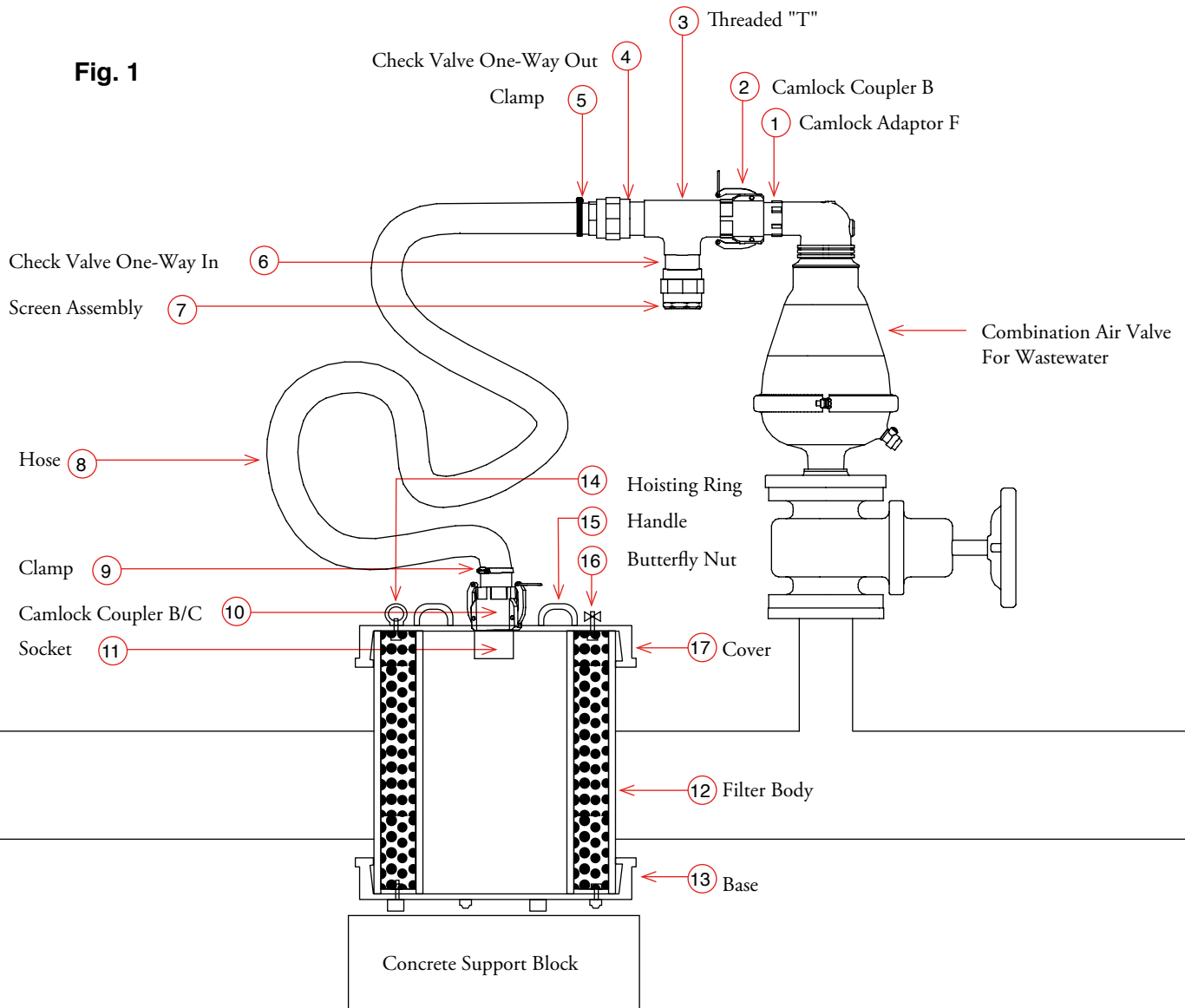


Fig. 1



PARTS LIST AND SPECIFICATION

No.	Part	Material
1	Camlock Adaptor F	Polypropylene
2	Camlock Coupler B	Polypropylene
3	Threaded "T"	PVC
4	Check Valve - One-way Out	Polypropylene
5	Clamp	Stainless Steel SAE 304
6	Check Valve - One-way In	Polypropylene
7	Screen Assembly	Stainless Steel SAE 304 / PVC
8	Hose	PVC
9	Clamp	Stainless Steel SAE 304
10	Camlock Coupler B/C	Polypropylene
11	Socket	Polypropylene
12	Filter Body	Stainless Steel SAE 304
13	Base	Polypropylene
14	Hoist Ring	Stainless Steel SAE 304
15	Handle	Polypropylene
16	Butterfly Nut	Stainless Steel SAE 304/316
17	Cover	Polypropylene

Fig. 2

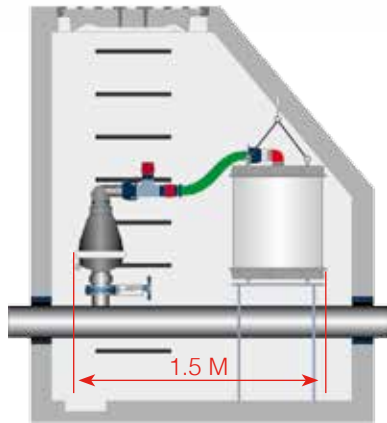


Fig. 3

