



Coiled Tube Pit Setter Repair Parts

IMPORTANT NOTICE - READ CAREFULLY

A.Y. McDonald Mfg. Co. coiled tube pit setter repair components and repair kits are designed and intended for use ONLY with A.Y. McDonald products.

Safety First - Before you get started

1. A.Y. McDonald water service products are designed for reliable service. However, improper use or handling can cause damage.
2. Use extra care with high water pressures and pipe or tubing over 1" in size.
3. Use only on cold water services applications.
4. PVC idler bars may come installed in setters and are for shipping purposes ONLY. These idlers should NOT be used in pressurized system.
5. To prevent damages to the tray and lower shelf brackets, do not let the meter mounting tray free fall.
6. Do not over extend the tray out of the pit more than 12" to avoid damaging the tubing and connections.
7. Insert stiffeners must be used on flexible plastic service tube or pipe.

WARRANTY DISCLAIMER

DISCLAIMER: A.Y. McDonald Mfg. Co. repair components and repair kits are not intended for use with other manufacturers' products. Any use of A.Y. McDonald repair components and repair kits on other manufacturers' products voids all warranties written or implied.

DISCLAIMER: Failure to properly install or use the repair components and repair kits in conformity with A.Y. McDonald's Coiled Tube Pit Setter Repair Parts Installation Instructions voids all warranties written or implied.

General Tips and Practices

- A. Prior to installation, verify ALL dimensions are suitable for meter, line connections, and bury depth..
- B. DO NOT use Vaseline®, plumber's grease, or any other petroleum based product on seals or o-rings.
- C. Always be aware of water flow direction using inlet/outlet markings.

Instructions

Mac-Pak Compression Repair Connectors



Tighten the Mac-Pak nut onto the valve or fitting to the following minimum torques.

- 3/4" size.....40 ft.-lbs.
- 1" size.....70 ft.-lbs.

Mac-Pak Coding

All A.Y. McDonald Mac-Pak fittings are coded to identify which type of service material they are designed to fit. Lettering is on the hex of the Mac-Pak nut.

Lock the tube or pipe into the nut by securely tightening the split clamp side screw (use a box end or socket wrench, not a screwdriver). The torques to which the clamp side screw should be tightened are as follows (NOTE CHANGE IN UNITS).

- 3/4" size.....80-90 in.-lbs.
- 1" size.....90-100 in.-lbs.

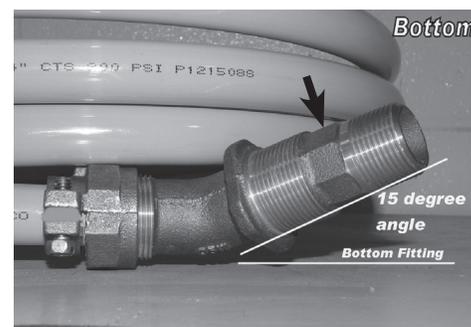


Insert Stiffener

***INSERT STIFFENERS MUST BE USED ON FLEXIBLE PLASTIC SERVICE TUBE OR PIPE.**

1. Installing end connections to coils

Coil tube end connections are designed to hold coils at such an angle as to minimize stress on coils. Begin by pressing insert stiffener into tube end. With coil stacked on a flat surface or floor, insert tube end into brass fitting. As MacPak nut is tightened, turn fitting upward to an approximately 15° degrees from flat surface (Fig #1). Tighten Mac-Pak nut and clamp, while maintaining this angle.



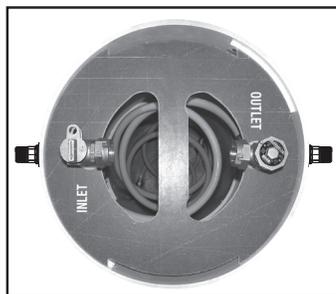
(Fig. 1)



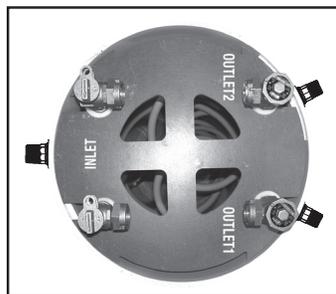
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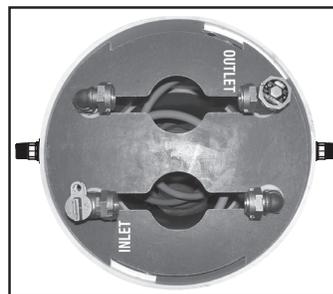
Instructions



90 Series - Single
(Fig. 2)



91 Series - Dual
(Fig. 3)



92 Series - Tandem
(Fig. 4)



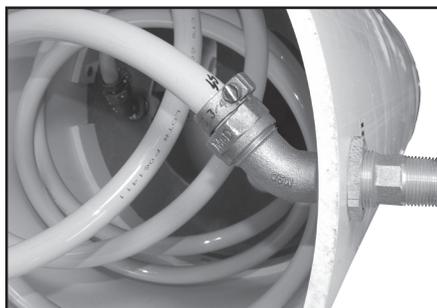
(Fig. 5)

Valve Alignment

With all coil style meter pits, it is important to have valves and meter connections properly aligned both horizontally (Fig. 2, 3, & 4) and vertically (Fig. 5). This alignment will affect the fit and seal of meter and/or device installation. For ease of installation, valves should always have enough spacing for both the meter or other device, and two sealing gaskets. Horizontal adjustments may be made using the slots the mounting tray while vertical adjusts are made using the threaded nut. Always clearly identify inlet and outlet connections.



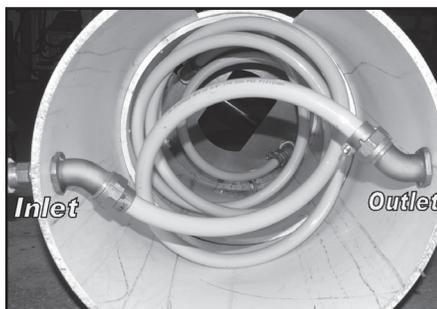
(Fig. 6)



(Fig. 8)



(Fig. 7)



(Fig. 9)

1. Clearly identify the inlet and outlet around the service line connection in order to keep water flowing in proper direction (Fig. 6, 7, 8, 9).
2. 91 series dual pits should have both outlets identified.
3. Always wrench on the inlet and outlet MNPT connection flats when tightening the connections to prevent the coiled tube from kinking.
4. Keep fitting turned in the slightly upward position when tightening so as not to kink coil tubes and allow smooth flow of water.

Testing and Installation

- Inspect and pressure test all valves, fittings, and joints prior to putting meter pit into service.
- See "Coiled Tube Pit Setter" instructions to install your newly serviced meter pit.



WARNING: It is unlawful in CALIFORNIA & VERMONT (effective 1/1/2010); MARYLAND (effective 1/1/2012); LOUISIANA (effective 1/1/2013) and the UNITED STATES OF AMERICA (effective 1/4/2014) to use any product in the installation or repair of any public water system or any plumbing in a facility or system that provides water for human consumption if the wetted surface area of the product has a weighted average lead content greater than 0.25%. This prohibition does not extend to service saddles used in California, Louisiana or under USA Public Law 111-380.