

Magnetic Flowtube Sealing Kits

Kit Part Numbers D0128GY and D0155VA

for use with

2800, 8000A, 9300A, and 8300 Series Magnetic Flowtubes

that are Supplied with Either the
Accidental or Total Submergence Option

Introduction

These Sealing Kits are used with a 2800, 8000A, 9300A, or 8300 Series Magnetic Flowtube to seal the wiring connections by covering them with a potting compound. These kits are required to implement Accidental Submergence Option “-H”, and Total/Accidental Submergence Option “-N”. These options are applicable only to flowtubes having the transmitter remotely mounted, and not to flowtube-mounted transmitters.

This flowtube is supplied similar to the standard flowtube except for a pressure-tested housing. Also supplied with the flowtube is a sealing (potting) kit that must be installed by the user. Using this kit, the user must pot the connection box to seal the wiring connections.

—  **CAUTION** —

Failure to install this potting kit as instructed will void the warranty.

For specifications, installation, and wiring information, see the applicable flowtube and transmitter installation instructions.

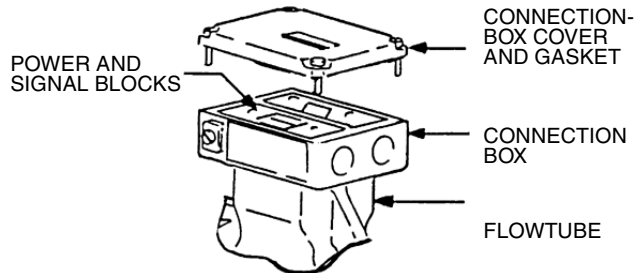
—  **CAUTION** —

Also provided with the kit is a Material Safety Data Sheets (MSDS). Please read this MSDS prior to handling the silicone gel. The MSDS is:

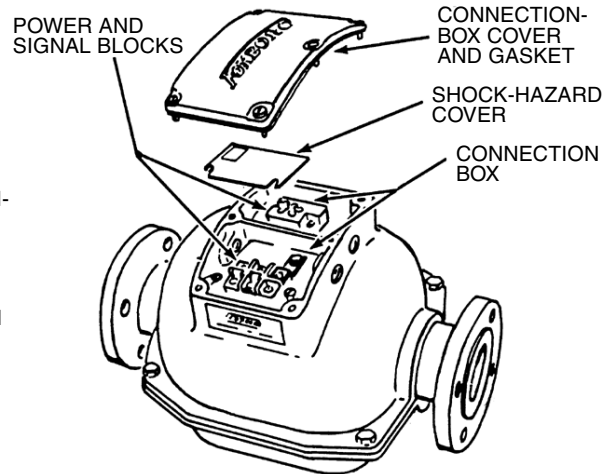
MSDS No.	For Use With
MSDS 141	Silicone Gel, X0180HK

Copies of Material Safety Data Sheets are available from the Invensys Foxboro web site at:

www.foxboro.com/msds



*Figure 1. Wafer End Flowtube
8000A and 9300A Series (use Kit D0155VA)*



*Figure 2. Flanged End Flowtube
2800 and 8300 Series (Use Kit D0128GY)*

Sealing Kit D0155VA			Sealing Kit D0128GY		
Part Number	Qty.	Description	Part Number	Qty.	Description
X0180HK	3	Part A and B Cartridge	X0180HK	6	Part A and B Cartridge
X0179HX	3	Plunger	X0179HX	6	Plunger
X0179HY	3	Mixing Nozzle	X0179HY	6	Mixing Nozzle
MI 021-151	1	Sealing Kit Instructions	MI 021-151	1	Sealing Kit Instructions
MSDS 141	1	Silicone Gel, X0180HK	MSDS 141	1	Silicone Gel, X0180HK

Installation

NOTE

Refer to Figures 1 and 2 prior to starting the installation.

CAUTION

Do not pot the connection box until all power and signal connections have been completed at the flowtube. This procedure must be done with the flowtube in the horizontal position.

General Potting Instructions

The intent of the potting operation is to cover all wiring and terminal blocks in the flowtube junction box. To do this all wiring to the flowtube must be done and checked before potting. Then the flowtube must be positioned with the connection box in an upright position, and all conduit holes sealed, to keep the potting material from flowing out of the connection box before it cures to the jell state.

Detail Instructions

1. If the flowtube is to be installed in a horizontal pipeline position the tube in the line with the connection box on top. If the pipeline is not horizontal the wiring to the tube and the sealing has to be done before installing the flowtube.
2. Connect all wiring to the flowtube per the wiring instruction in the Master Instructions (MI) associated with the Magnetic Flow Transmitter. For 2800 and 8300 flowtubes discard the shock-hazard cover.
3. Position the flowtube so that the opening of the connection box is facing up and seal all conduit exit holes. Position all wires so they are below what will be the potting fill level.
4. Assemble mixing nozzle and plunger and fill connection box to a level sufficient to cover terminal blocks, wiring, and conduit holes.
5. Allow potting compound to gel (2 hours at room temperature) before reinstalling connection box cover.

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