

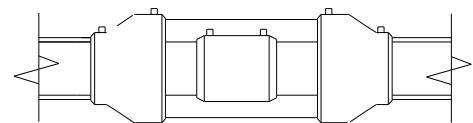
## Electr-O-Fuz™ Dip Tube Assembly, UL971 Listed

### Product Description

Electr-O-Fuz™ dip tube and splice fitting assemblies are a safe and reliable proven electro fusion fittings with the ability to monitor the primary connection using visual or electronic sensing technology. The Assembly comprises of various electro Fusion reducers with an extension over sleeve pipe in order to maintain the secondary pipe over the primary fuel pipe. When used in conjunction with Petroplas pipe and a Friamat electro fusion welder, it provides a UL971 compliant fuel installation with a 30 year life span.



Electr-O-Fuz™ Transition Tee's are available for all sizes of coaxial piping where a repair, connection or monitoring point is required. The splice is covered using the over sleeve pipe, which is sealed to the secondary pipe using electro fusion reducers. The dip tube is an added option using an electro fusion saddle and 90° elbows connected to Petroplas pipe.



### Applications

- Service stations
- Marina's
- Fuel Terminals & Refineries
- Moist and marshy areas
- Non-Contaminated and Contaminated sites
- Airports
- Harbors

### Specifications

- Fitting Type : Matched electro fusion fittings are utilized throughout the pipeline system in order to join the various pieces. Deep sockets and 'safe' low voltage operation (42V), applied through dedicated ancillary equipment ensures maximum joint integrity. Fusion indicators monitor the joint melt pressure, while absolute security of the weld is ensured using the fittings bar code.
- Temperature range : Fittings can be worked with at ambient temperatures between -24°F and 160°F.
- Pipe fusion range : The fittings can be fused to pipe of SDR stages 17.6 to 7.4 in accordance with DIN 8074 (E), ISO 4437, pr EN 1555 and DIN EN 12201 (E).
- Operating pressures 75 psi maximum
- Test pressure 375 psi or 5 times operating pressures
- Approved Fuel Types : All Petroleum Products (Motor Vehicle Fuels, High Blend Fuels, Concentrated Fuels, Aviation & Marine Fuels)

### Installation

Installation, use, and maintenance of all Electr-O-fuz™ products shall be in accordance with the manufacturer's recommendations, State and county approvals. In event of conflicts, the stricter requirement shall govern. (IPP installation manual available directly from IPP, or at [www.innovativepetroleum.com](http://www.innovativepetroleum.com)) All operators to be IPP certified on both the fittings and electro fusion machine

### Certifications/Approvals

- UL 971 approved, File # MH45430
- Institute of Petroleum Cert # BC63/1010/98/001 And cert # BC63/0115/2000/001
- Shell Int. Procurement Cert. Cert # BC63/1010/98/002
- State of Florida EQ 683 and EQ 617 – and Derm Approval
- State of Michigan MUSTR – Rule 9, subsections 280.20 (b)
- New York City Fire Dept. CoA 5117
- DVGW Permit VP 607, with decisions DV-8601AU2248, DV-8606AU2249 and DV-8611AU2250
- Factory Permit DIN EN 10 204-3.1
- State of California CARB, State Fire Marshall Cert # GVRC 005:060:001

Note : specifications subject to change without notice  
MARCH 08

1. 2" Petroplas Pipe to grade - into inspection box (supplied by others)

2. 2" Electro Fusion Elbow

3. 2" Petroplas Pipe SW

4. 6" to 2" Electro Fusion SA Saddle - penetration to pipe interstice

5. 6" secondary Pipe

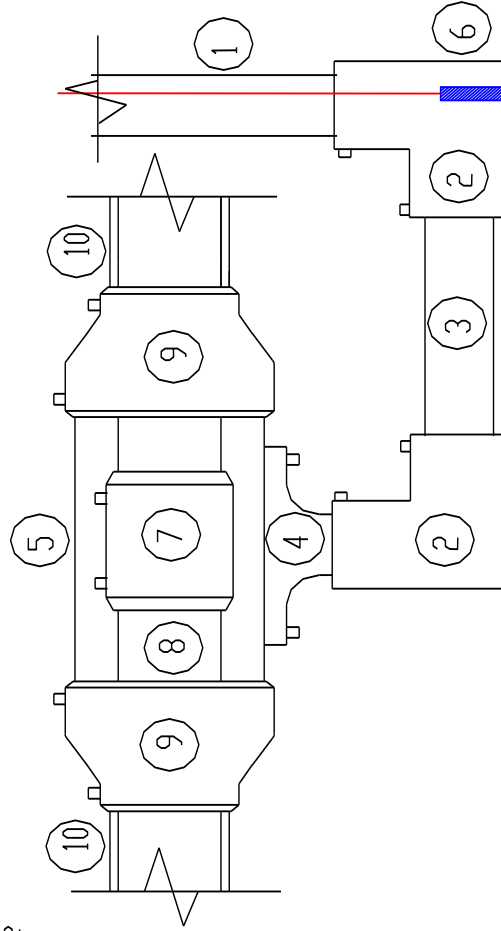
6. Leak Sensor - Pnuemercator (supplied by others)

7. 3" Electro Fusion Coupler

8. 3" Primary Petroplas Pipe

9. 6" to 4" Electro Fusion Reducer

10. 4" Secondary Petroplas Pipe



A	31/03/2002	SPECIFICATION REV 2
REV	DATE	DESCRIPTION
SCALE : NTS		DATE : Dec 06
DRAWN : G Boyazis		
APPROVED :		
DRAWING NO. : ConSenSD		

PROJECT  
STANDARD DETAILS

DRAWING Pipe joint with leak sensor  
SECONDARY CONTAINED



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