

Electr-O-Fuze™ Large EF Tee, UL971 Listed

Product Description

Electr-O-Fuze™ EF fittings are safe, reliable and a proven electro fusion technology using open wire principles. Electr-O-Fuze™ EF couplers are the only fittings used in the petroleum industry to also be tested and approved for use with natural gas and low pressure gas, thus providing unparalleled quality and protection. When used in conjunction with Electr-O-Fuze™ pipe and a Electr-O-Fuze™ EF welding machine, it provides a UL971 compliant fuel installation with a 30 year life span.

Electr-O-Fuze™ fittings are available in sizes from ½" to 30" nominal bore. All electro fusion Tee's conform to 2 times the ISO requirements for electro fusion fittings, making it the safest electro fusion fitting in the petroleum industry.

Applications

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

Specifications

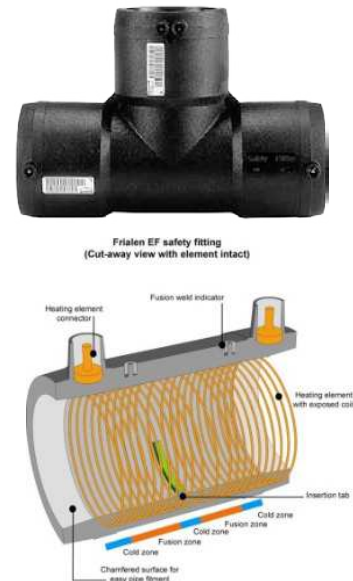
- Fitting Type : Matched electro fusion fittings are utilized throughout the pipeline system in order to join the various pieces. Deep sockets and 'safe' low voltage operation (42V), applied through dedicated ancillary equipment ensures maximum joint integrity. Fusion indicators monitor the joint melt pressure, while absolute security of the weld is ensured using the fittings bar code feature in conjunction with the fully automatic Electr-O-Fuze™ EF welding machine.
- Electro Fusion Machine: Electr-O-Fuze™ EF welding machine with memory, bar code reader, printing and error reporting. Fittings can be worked with at ambient temperatures between -24°F and 160°F.
- Temperature 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).
- Pipe fusion range: 150 psi maximum
- Operating pressures: >60psi; <150psi
- Test pressure: All Petroleum Products (Motor Vehicle Fuels, High Blend Fuels, Concentrated Fuels, Aviation & Marine Fuels) E85 and Biodiesel
- Approved Fuel Types:

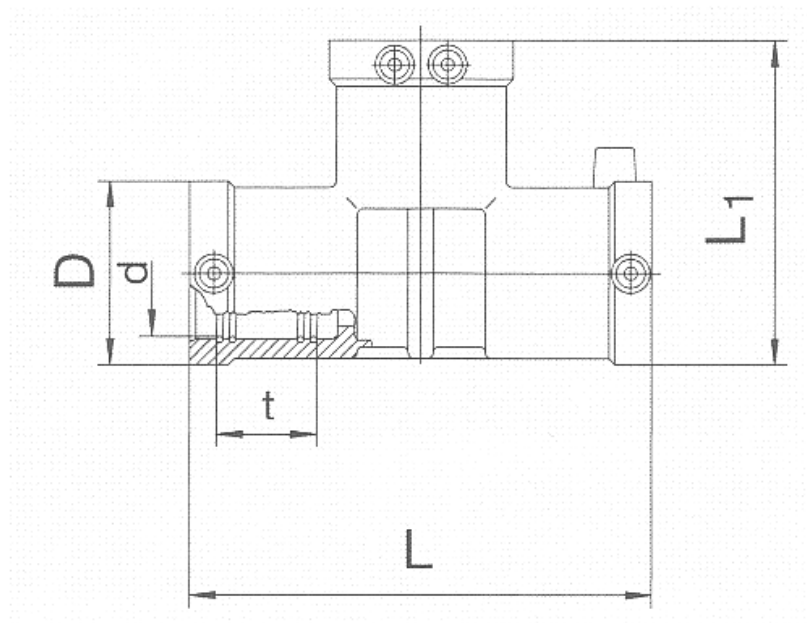
Installation

Installation, use, and maintenance of all Electr-O-Fuze™ products shall be in accordance with the manufacturer's recommendations, State and County approvals. In event of conflicts, the stricter requirement shall govern. (AEP installation manual available directly from AEP, or at info@aep-inc.net) All operators to be AEP certified on both the fittings and electro fusion machine

Certifications/Approvals

- UL 971 approved, File # MH47372
- 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
- DOT 192 and 195 On waiver letter per project
- 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





Diam. NB* inches	Diam OD** metric	Part #	Dim D		Dim d		Dim L		Dim L ₁		Dim t		Weigh Kg/each	Weigh lbs/each
			mm	in.	mm	in.	mm	in.	mm	in.	mm	in.		
3"	90	005-090EF	117	4.6	90	3	305	12	211	8.3	80	3.1	1.1	2.48
4"	110	005-110EF	142	5.6	110	4	355	14	248	9.8	90	3.5	2.2	4.76

(*) Nominal Bore

(**) Outside Diameter