

# Fusible Fittings

## FUF Series



- ❖ Eutectic alloy is filled in the stainless plug.
- ❖ Fusible fittings function by the yielding or melting of the fuse alloy.
- ❖ Fusible fittings are thermally operated but not reusable pressure relief devices.
- ❖ Fusible fittings do not protect against overpressure from improper charging practices.
- ❖ Maximum operating pressure: Tested to 500 psi (3.4 MPa)
- ❖ Temperature rating from 160°F (71°C) to 281°F (138°C) with 4 temperature ranges.
- ❖ Two types of fusible fittings: Pipe plug and tube adapters with 316 stainless steel body.

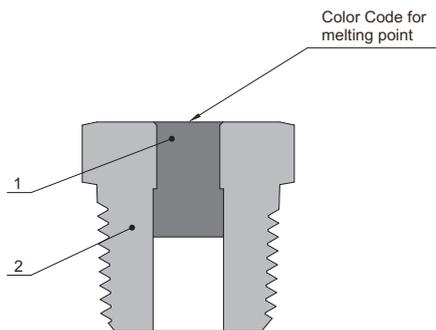
## Application

Fusible fittings contain an eutectic alloy plug, and the eutectic alloy plug has a specific melting point. When the fitting is exposed to temperatures at or above this melting point of fusible metals, the eutectic alloy plug will melt and the pressure inside the fitting will be released to atmosphere for protection of systems.

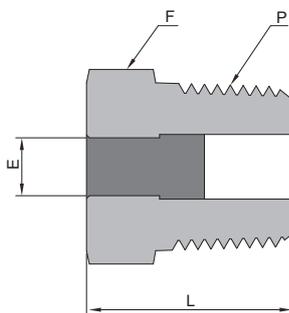
## Features

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## Standard Materials of Construction



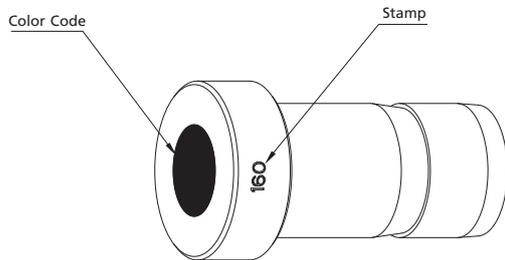
Item	Component	Material
1	Eutectic alloy	
2	Body	Stainless steel



Basic Ordering No.	Pipe Size (P)	Dimensions in. (mm)		
		L	E	F (Hex.)
FUF-NPT4-	1/4 NPT	0.95 (24.1)	0.25 (6.4)	9/16 (14.29)
FUF-NPT6-	3/8 NPT	1.06 (26.9)	0.25 (6.4)	11/16 (17.46)
FUF-NPT8-	1/2 NPT	1.20 (30.5)	0.34 (8.7)	7/8 (22.23)

- ❖ Dimensions, in inches (mm), are for reference only and are subject to change.

## Fusible alloy option with different melting point



Designator	Stamp	Color Code	Melting Point °F (°C)	
			°F	°C
160	160	Black	160	71
212	212	Orange	212	100
255	255	Green	255	124
281	281	Red	281	138

### How to Order

**FUF — NPT4 — 160 — 316**

Series	Inlet Type	Inlet Size	Melting Point	Body Material
FUF	NPT Male NPT	4 1/4	<b>160</b> 160 F°	<b>316</b> 316 S.S.
	MBT Male BSPT	6 3/8 or 6mm	<b>212</b> 212F°	<b>316L</b> 316L S.S.
	FT Fractional Tubing	8 1/2 or 8mm	<b>255</b> 255F°	<b>304</b> 304 S.S.
	MT Metric Tubing	10 10mm	<b>281</b> 281F°	<b>304L</b> 304L S.S.
		12 12mm		<b>BR</b> Brass