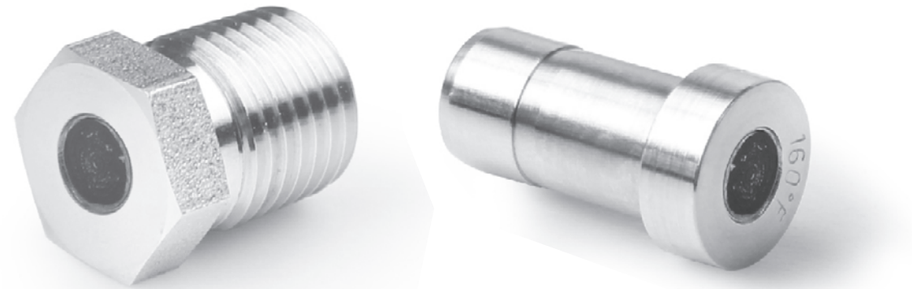
Fusible Fittings

GFPP, GFTA Series



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FITOK
Valves and Fittings

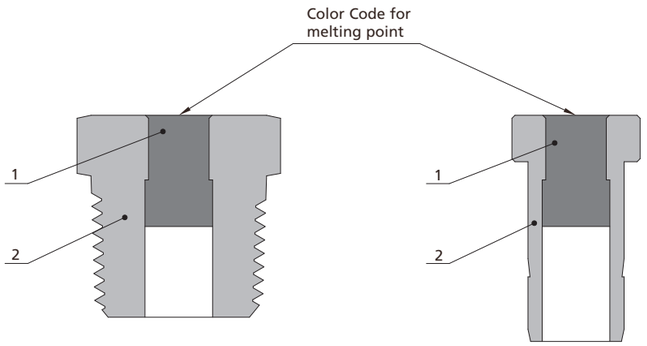
Application

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

- 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.
- 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.

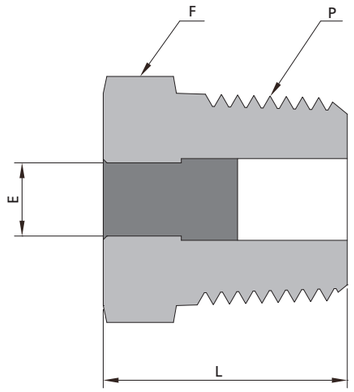
Construction

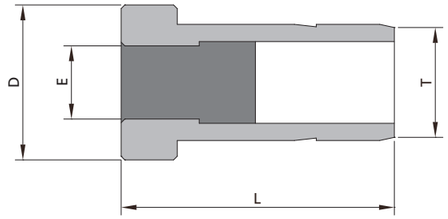


GFPP Series GFTA Series

Item	Component	Material
1	Eutectic alloy	
2	Body	Stainless steel

Dimensions





GFPP Series

Basic Ordering No.	Pipe Size (P)	Dimensions in. (mm)		
		L	E	F (Hex.)
□□-GFPP-4-□□□	1/4 NPT	0.95 (24.1)	0.25 (6.4)	9/16 (14.29)
□□-GFPP-6-□□□	3/8 NPT	1.06 (26.9)	0.25 (6.4)	11/16 (17.46)
□□-GFPP-8-□□□	1/2 NPT	1.20 (30.5)	0.34 (8.7)	7/8 (22.23)

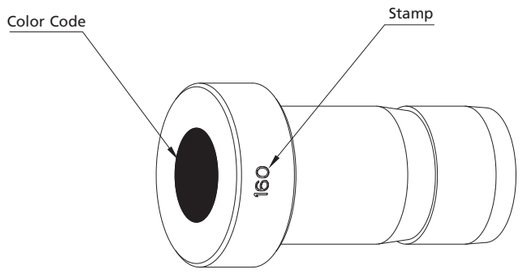
GFTA Series

Basic Ordering No.	Tube O.D. (T)	Dimensions in. (mm)		
		L	E	D
□□-GFTA-4-□□□	1/4	0.81 (20.6)	0.17 (4.3)	3/8 (9.53)
□□-GFTA-6-□□□	3/8	0.88 (22.4)	0.25 (6.4)	1/2 (12.70)
□□-GFTA-8-□□□	1/2	1.12 (28.4)	0.25 (6.4)	5/8 (15.88)

Dimensions, in inches (mm), are for reference only and are subject to change.
ISO 7/1 Tapered Threads (RT) are available for all fractional sizes of GFPP Series, add "-R" as a suffix end of Ordering number.

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



Ordering Information

SS – GFTA – 6 – 160 – R

Material	
SS	316 SS
S4	304 SS
6L	316L SS
4L	304L SS

Series
GFPP
GFTA

Connection Dimension	
4	1/4
6	3/8
8	1/2

Melting Point
160
212
255
281

Connection Type	
	NPT or Tube
R	ISO 7/1 Thread