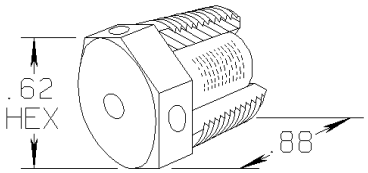
Fusible Devices

Temperature Safety Elements (TSE)

316 SS Body, Male NPT Connection
300 PSI MAXIMUM W.P.

Sigma Fusible Plugs are commonly known as Temperature Safety Elements (TSE) within the safety system industry. All Fusible Plugs have a core of fusible material that melts due to intense heat of a fire or other heat source. They maintain operating pressure within the control circuit until the temperature of the Fusible Plug is exceeded. Once the low temperature fusible alloy material melts, the ESD control circuit experiences a loss of operating pressure, which initiates an Emergency Shutdown sequence or Safety Valve closure. Fusible Plugs are an integral part of most pneumatic ESD control circuits.

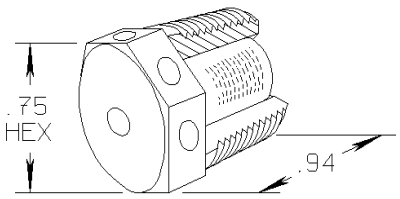
See the specific temperatures and the correlating Sigma Part Numbers listed for readily available Fusible Plugs. **Other temperatures are available through special order inquiry.**



1/4 NPT Connection

Melt Point	Color Code	Part No.	Model No.
158 deg. F *	Red	152240-001	15RS52
184 deg. F	Brown	152180-001	15RS47
203 deg. F *	Green	152530-001	15RS69
255 deg. F *	Pink	152220-001	15RS50
281 deg. F *	Orange	152260-001	15RS54

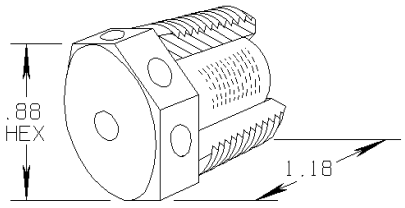
*** denotes eutectic low melting alloy**



3/8 NPT Connection

Melt Point	Color Code	Part No.	Model No.
158 deg. F *	Red	150710-001	15RS14
184 deg. F	Brown	150200-001	15RS101
203 deg. F *	Green	152420-001	15RS65
255 deg. F *	Pink	151620-001	15RS20
281 deg. F *	Orange	151930-001	15RS26

*** denotes eutectic low melting alloy**



1/2 NPT Connection

Melt Point	Color Code	Part No.	Model No.
158 deg. F *	Red	152960-001	15RS80
184 deg. F	Brown	150210-001	15RS102
203 deg. F *	Green	152740-001	15RS73
255 deg. F *	Pink	151850-001	15RS21
281 deg. F *	Orange	151940-001	15RS27

*** denotes eutectic low melting alloy**

SIGMA VALVES