

FUSIBLE PLUGS FOR AIR

To BS 1123: 2006



Fig 17H

Body Material:
Brass

Maximum
Pressure:
20 Bar

APPLICATIONS

Fig 17H fusible plugs are used to protect compressed air systems from the risk of fire occurring due to ignition of oil vapour. This reduces the pressure and providing audible warning of dangerous conditions.

Fig 22 fusible plugs are used to protect air receivers from the risk of explosion occurring due to fire.

Both types are designed to operate when high temperatures occur. They are rated up to 20 Bar.

Fig 22



Body Material: LG2
Maximum Pressure: 20 Bar

CONSTRUCTION

The Fig 17H and Fig 22 fusible plugs are of brass construction with a replaceable fusible disc. When fusion occurs, causing activation, system air pressure ejects the molten fusing metal which is safely retained by a vented cap.

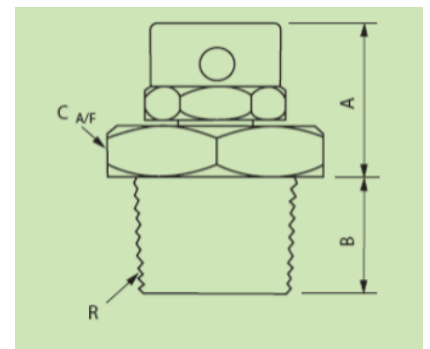
The fusing temperature of the disc is chosen to suit working conditions. Stainless steel and high pressure versions of both plugs can be supplied to order.

INSTALLATION

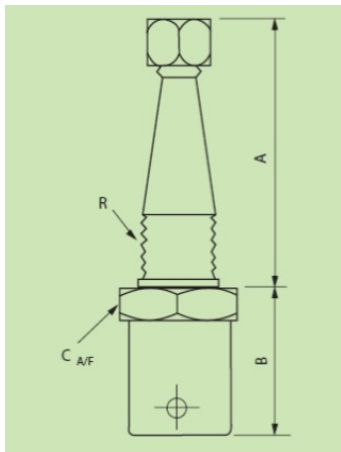
Fig 17H fusible plugs should be fitted on the underside of the pipe between the compressor and the receiver, as close as possible to the compressor. The DN10 size should be used for pipe bores up to DN50 and the DN15 size for larger bores. Fig 22 Fusible Plugs are normally fitted on the top of the vessel being protected.

Plugs should be checked in service every twelve months, and the fusible disc cleaned or replaced as necessary every two years.

Fusible plugs are to BS1123: 2006 and must not be used as the primary safety devices on any pressure equipment



Size DN	R (BSPT)	A (mm)	B (mm)	C (mm)
15	1/2"	34	11	32
20	3/4"	35	12	32
32	1-1/4"	44	28	48



Size DN	R (BSPT)	A (mm)	B (mm)	C (mm)
10	3/8"	40	31	24
15	1/2"	40	59	28

Some special designs and configurations are available to order.

Please contact our sales team for information.



Certificate Number 9027
ISO 9001:2015



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FUSIBLE PLUGS FOR AIR—HIGH PRESSURE To BS 1123: 2006



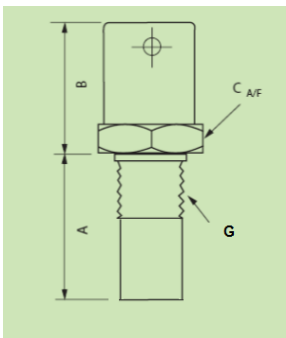
Fig 17HS

Body Material:
Brass

Maximum
Pressure:
69 Bar

APPLICATIONS

Fig 17HS, 17HSB, and 17HSSB fusible plugs are used to protect compressed air systems from the risk of an explosion occurring due to ignition of oil vapour, thereby reducing pressure and providing audible warning of dangerous conditions. They are rated from 69 to 345 Bar.



Size DN	G (BSPP)	A (mm)	B (mm)	C (mm)
10	3/8"	32	36	24
15	1/2"	41	42	28

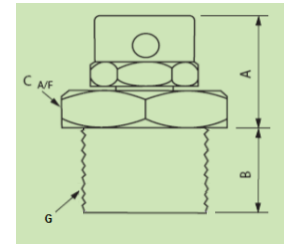
Fig 22H

Body Material:
LG2

Maximum
Pressure:
69 Bar



The Fig 22H and 22HS fusible plugs are used to protect air receivers as above, with a parallel thread and sealing washer (not supplied), these models are rated higher than the Fig 22.



CONSTRUCTION

Standard high pressure fusible plugs are of brass construction.

All models have an integral fusible element, apart from the 22H which has a replaceable fusible disc.

When fusion occurs, air pressure ejects the molten fusing metal element which is safely retained by a vented cap. The fusing temperature of the metal is chosen to suit working conditions.

Size DN	G (BSPP)	A (mm)	B (mm)	C (mm)
20	3/4"	35	12	32
25	1"	32	18	42
32	1-1/4"	44	28	48

Fig 22HS

Body Material:
LG2

Maximum
Pressure:
345 Bar



Higher Pressure Fig 17

Fig No.	Size DN	Max Pressure
17HSB	10	241 Bar
17HSSB	10	345 Bar

Some special designs and configurations are available to order.

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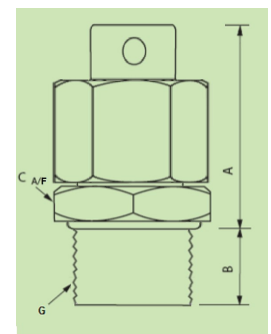
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INSTALLATION

Fig 17HS type fusible plugs should be fitted vertically on the undersize pipe using between the compressor and the receiver, as close as possible to the compressor. Fig 22H and 22HS fusible plugs are normally fitted on the top of the vessel being protected.

Dereve fusible plugs should be checked in service every twelve months, and the fusible disc cleaned or replaced as necessary every two years.

Fusible plugs are to BS1123: 2006 and must not be used as the primary safety devices on any pressure equipment



Size DN	G (BSPP)	A (mm)	B (mm)	C (mm)
20	3/4"	57	12	32



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