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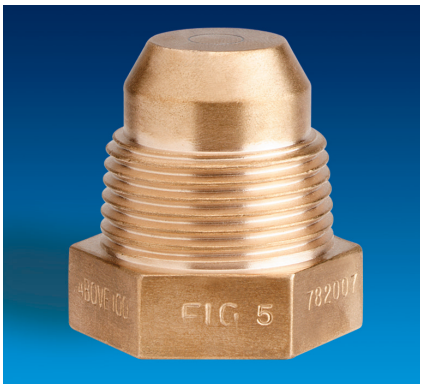
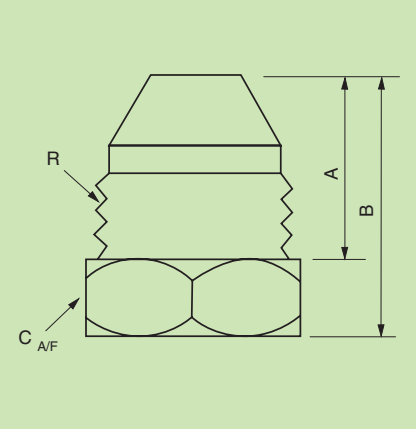
FUSIBLE PLUGS FOR STEAM

Fig 5



BODY MATERIAL	: GUNMETAL
MAXIMUM PRESSURE	: 24 bar

DIMENSIONS



SIZE DN	R BSPT	A mm	B mm	C mm
15	1/2	29	40	28
20	3/4	30	47	33
25	1	30	47	38
32	1 1/4	45	59	47

APPLICATIONS

Fig 5 and Fig 8 Fusible Plugs are used to protect internally fired steam boilers. If overheating occurs due to low water conditions, the plugs are designed to operate and allow pressure to reduce, thereby preventing collapse of the boiler.

CONSTRUCTION

Both plugs are of gunmetal construction with a central portion held in position by a low melting point alloy. When the alloy fuses, this component is ejected by steam pressure. It is keyed directly into the body of the Fig 5 plug, whereas on the Fig 8 it is contained in a separate, replaceable cone.

INSTALLATION

The Fig 5 plug is intended for loco boilers, where fitting is from the fire side. The Fig 8 is used on boilers where fitting can be achieved from the water side.

Plugs should be checked in service every twelve months, and cleaned or replaced as necessary.

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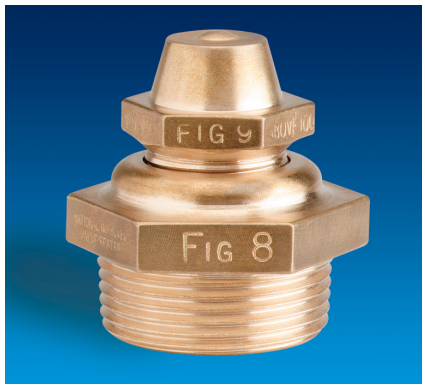
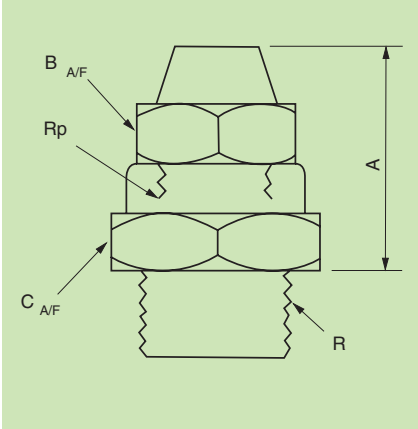
Fig 8



BODY MATERIAL	: GUNMETAL
MAXIMUM PRESSURE	: 24 bar

DIMENSIONS



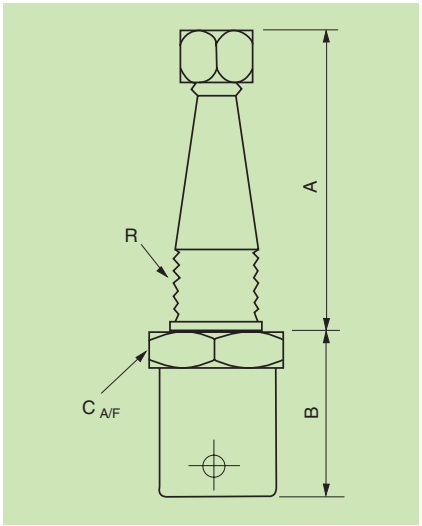
SIZE DN	R BSPT	Rp BSP	A mm	B mm	C mm
20	3/4	1/2	35	28	38
25	1	1/2	35	28	38
32	1 1/4	3/4	35	30	48
40	1 1/2	7/8	45	35	52
50	2	1 1/2" dia	60	44	68

FUSIBLE PLUGS FOR AIR

Fig 17H

BODY MATERIAL	: BRASS
MAXIMUM PRESSURE	: 20 bar

DIMENSIONS



SIZE DN	R BSPT	A mm	B mm	C mm
10	3/8	37	31	24
15	1/2	54	40	28

APPLICATIONS

Fig 17H Fusible plugs are used to protect compressed air systems from the risk of an explosion occuring due to ignition of oil vapour. Fig 22 Fusible Plugs are used to protect air receivers from the risk of an explosion occuring due to external fire.

Both plugs are designed to operate when high temperatures occur, thereby reducing pressure and providing audible warning of dangerous conditions.

CONSTRUCTION

The Fig 17H and Fig 22 are of brass construction with a centrally located fusible disc. When fusion occurs, air pressure ejects the molten disc which is retained by a vented cap. The fusing temperature of the disc is chosen to suit working conditions. When specially ordered, stainless steel and high pressure versions of both plugs can be supplied.

INSTALLATION

Fig 17H Fusible Plugs should be fitted vertically 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, the DN15 size for larger bores.

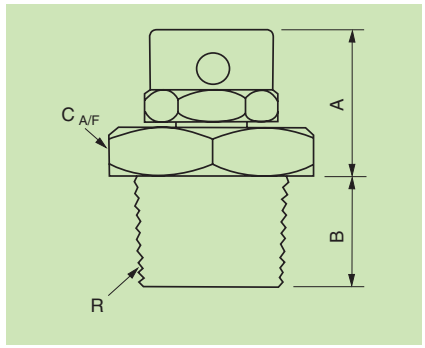
Fig 22 Fusible Plugs are normally fitted to the top of the vessel being protected.

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

Fig 22

BODY MATERIAL	: BRASS
MAXIMUM PRESSURE	: 20 bar

DIMENSIONS



SIZE DN	R BSPT	A mm	B mm	C mm
15	1/2	34	13	33
20	3/4	34	13	33
32	1 1/4	40	28	48
50	2	48	32	70

HIGH PRESSURE VERSIONS		
FIG No	SIZE DN	MAX PRESSURE BAR
17HS	10	69
17HS	15	69
17HSB	10	241
17HSSB	10	345
22H	20	69
22HS	20	345
22HLS	20	69

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