

Carnét FireSafe Nozzles

Design and Operation

The FireSafe Nozzle comprises a spring loaded moulded valve probe contained within a moulded housing. The housing comprises two mouldings that screw together with a pressure tight seal provided by an o-ring.

In normal condition the valve is held open by means of a T-bar arrangement on the valve probe at the downstream end that sits on a fusible ledge of material. The valve is actuated when the fusible ledge softens as a result of the heat from an approaching fire in the PVC tubing. The force of the spring acting on the valve probe then pushes

Upon actuation the valve probe comes forward and an o-ring, fitted to the valve probe, seals against a valve seat.

Different models are available for fitting to different oxygen flowmeter models in the market; an equivalence table provides a positive indication as to which model of FireSafe Nozzle is appropriate for which flowmeter. The FireSafe Nozzle is designed with a barbed outlet fitting to allow connection to oxygen therapy sets.

Gas Wetted Materials

- Glass filled nylon 6 (body and valve probe)
- Nitrile butyl rubber (o-ring seals)
- Stainless steel (spring)

Note: The FireSafe Nozzle does not contain any intumescent sealant.