

Sprinkler System for Hyperbaric Chambers

GDA Sprinkler System gives both staff and patient a strong sense of security. Even if risks of fire in Hyperbaric Chambers are low we know that Oxygen under pressure is extremely dangerous when it comes in direct contact with fire, electricity, alcohol, oil etc.

However, none of these risks should be a problem if staff and patients are fully trained in the use of the system and the equipment is regularly checked. The system is a high-pressure fire-fighting system based on water fog, and are designed to provide fast and easy fire fighting capabilities.

Water fog is completely harmless for persons in the immediate area and distributes evenly in the chamber.



The Sprinkler System built in a control panel.



Nozzles in stainless steel mounted in a internal panel.

System Design

The Sprinkler System can be installed in existing chambers without needing to modify the construction provided that there are two penetrations available. It can also be integrated into panels or left open with the distribution pipes visible.

The Sprinkler Systems are designed so that they can be activated both from internal and external sprinkler valves as well as from a control panel. It is also possible to integrate the system with existing fire alarm systems. The automatic alternation of oxygen to air in the BIBS prevents fires from flaring.

Technical Specifications

Nozzle material	Stainless steel
Distribution pipes	Stainless steel /Tungum (12 mm or 1/2")
Nozzle capacity	3,5 l/min
Inlet (minimum)	12 mm or 1/2"
Droplets	20-80 µm
Working pressure	100 bar
Flow	36 l/min



Push buttons for the sprinkler system. Placed in the control system.