

Hy-Fex Hyperbaric Fire Extinguisher



Introduction

Hy-Fex Hyperbaric Fire Extinguishers are simple, easily handled, and are designed to be used in hyperbaric diving and medical therapy chambers.

Description

They are available in two volume sizes to facilitate locating, as appropriate, in the different compartment sizes found in hyperbaric systems.

The 3 litre Hy-Fex extinguisher will typically be appropriate for air dive chambers, and entry / transfer locks of larger chamber complexes. The 6.7 litre Hy-Fex will suit main living chambers and large treatment chambers.

Hy-Fex extinguishers are of the Aqueous Film Forming Foam (AFFF), water-based, stored pressure type. Charged to 133 bar, with a suitable chamber gas - usually air or heliox.

The gas charge propels the water/AFFF mixture through a venturi outlet nozzle to provide a strong jet of foam.

Hy-Fex units utilise a single robust aluminium cylinder containing the foam mixture and the pressurised gas. This is in contrast to the old-fashioned and cumbersome two-cylinder extinguishers used in the past which required frequent maintenance of both cylinders and also the pressure relieving valve.

The Hy-Fex control valve/handle is similar to standard extinguishers and permits immediate actuation and control - there are no delays in pressurising the 'foaming' cylinder as with the old-fashioned models.

The valve design allows closure for intermittent discharge operation.

To operate the extinguisher the safety pin is removed and when the valve handle is squeezed the valve opens, allowing the AFFF foam/water mixture to be forced up a syphon tube and discharged via the outlet nozzle. The nozzle is venturi assisted maintains a consistent foam texture for effective discharge.

The red cylinder coating is a highly durable gloss epoxy resin. A contents gauge indicates if the extinguisher is fully charged or has been partially used. Hy-Fex extinguishers are easy to maintain and re-charge on site by trained personnel. A comprehensive maintenance manual and training course is available by request.

Hy-Fex is for multi-risk applications (fabrics, materials and liquid fires).

Mounting Brackets: To allow quick and easy access to the extinguisher when required. JFD provide an optional mounting bracket. Available in two sizes to enable wall mounting.

Please Note: The Hy-fex Fire extinguisher is supplied un-charged for transportation safety reasons. Foam refill is supplied with each extinguisher.

Warning: Use only JFD AFFF Foam. Do not use other makes / brands.

Specification

Hyfex Fire Extinguisher volume	3.0 litre	6.7 litre
Part No	SE481BA	SE480BA
Extinguisher height	540mm	675mm
Cylinder diameter	117mm	152mm
Cylinder centre to handle extremity	115mm	
Cylinder centre to hose extremity	130mm	
Weight charged	7kg	14kg
Cylinder volume	6.7 litres	
Foam discharge	45 litres	
Discharge time	45 sec	
Discharge distance	6m	
Effective distance	99%	
Cylinder test pressure	310bar	
Extinguisher working pressure	133bar	
Temperature	-15 to +55°C	
Tested depth (functional)	500msw	
Chamber volume rating	6m ³	14m ³



Order Codes

Hy-Fex Hyperbaric Fire Extinguisher 3.0 Litre
SE481BA

Foam Refill 3 Litre
SE4816

Mounting Bracket 3 Litre
SE488010

Hy-Fex Hyperbaric Fire Extinguisher 6.7 Litre
SE480BA

Foam Refill 6.7 litre
SE481710

Mounting Bracket 6.7 Litre
SE488210