High Pressure Water Mist & CAFS

OISD 116 has suggested the technology. ONGC has scaled this technology for fire stations & Off-Shore. CISF is also using and has recommended the same technology. NDMA fire guideline also recommend the technology.

Application Areas
- Green Buildings
- Fire Stations
- Offshore Platforms
- Rigs
- Petrol Pumps
- R&D Centres
- Pump Houses
- Pipeline Division
- Heat Exchanger Area
- Valves Manifold Area
- Oil Sumps
- Processing Columns
- Open Channels
- GGS
- OCS and many more

Client List
- ONGC
- Indian Oil Corporation Limited
- Hindustan Petroleum Corporation Limited
- Oil India Limited
- Bharat Oman Refinery
- OPAL
- GAIL

For Petroleum Sector

Market → Browse All Categories
→ Search → Watermist And CAF Fire Extinguisher High Pressure Back Pack Type

Product Search in GEM

Aska Hand-Held + Backpack - 9L
EN3-7 Standard

Aska Trolley Mounted - 50L
DIN1866 Standard

Spare Air Cylinder 2L/300 Bar Carbon
Composite Pet Liner Can Be Used With Emergency Escape Breathing Apparatus.

Spare Air Cylinder 6.8L/300 Bar Carbon
Composite Pet Liner Can Be Used With Breathing Apparatus.

https://www.gem.gov.in
The Problem
It is understood that presently first line of fire fighting team (i.e.) Operation and Maintenance Personal are dependent on various type of DCP fire extinguishers to handle the fire at a initial stage. No doubt, DCP is excellent fire fighting media but it can not stop the re-ignition. To overcome this problem, some of the refineries have provided foam trolleys so that first line of fire fighting can handle fire effectively at a initial stage. Due to highly time consuming and cumbersome operation of these trolleys, this option is also not found very effective. Also the conventional fire extinguishers having minimum fire rating and lancing distance. Maintenance is a big and ongoing issue. It is difficult to hold 17kg extinguisher in hand and do fire fighting. Mostly there is no control discharge with conventional fire extinguisher. For refilling also we need to send them outside and bear the cost. We don’t know what is the quality of refill also.

The Solution
High Pressure Water Mist & CAFS is an effective first responder, as it assures maximum fire rating of A55, B233, E1000V with control discharge and light weight gun of 750 grams approx. The lancing distance is 14 meters and is applicable on all three classes of fire (Class A, Class B & Live Electrical / Short Circuit Fires). To overcome the above problem, Water Mist & CAFS system is a proven and excellent alternate as recommended by OISD too. By providing this technology, the fire fighting capabilities of first line fire fighting team will be enhanced considerably.

Further individual state fire services have inducted ASKA High Pressure Water Mist & CAFS technology already.

Advantages Of Aska Water Mist + CAFS

- Constant operating pressure with negligible recoil.
- Light weighted gun of 750 grams (approx.).
- Suitable for Class A, Class B and Live Electrical Fire.
- System is tested on 35 KV as per EN 3 standard
- Backpack, Hand Held System and Trolley Mounted.
- CFRP - Carbon Fiber Reinforced Polymer / Light weight anti corrosive aluminum alloy vessel.
- PESO approved Pet Liner Air Cylinder and NOC for the vessel.
- Flowing contaminated water can be used to fight fire.
- Stream can be controlled.
- Tested for 600 refills in a year & maintenance free design.
- After sales service and spare parts available.
- Pressure gauge on the system as per EN 3 standard.
- Negligible collateral damage.

Technical Specifications

<table>
<thead>
<tr>
<th>Specifications</th>
<th>9 Liter Ultra Light Carbon Composite with PET Liner</th>
<th>50 Liter (Aluminium Alloy)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Pressure</td>
<td>38 Bar, Constant</td>
<td>34 Bar</td>
</tr>
<tr>
<td>Weight Of Empty System</td>
<td>9.5 Kgs (Approx.)</td>
<td>55 Kg (Approx.)</td>
</tr>
<tr>
<td>Weight Of Filled System</td>
<td>19.8 Kg (Approx.)</td>
<td>120 Kg (Approx.)</td>
</tr>
<tr>
<td>Diameter</td>
<td>180 mm</td>
<td>420 mm</td>
</tr>
<tr>
<td>Height</td>
<td>670 mm</td>
<td>740 mm</td>
</tr>
<tr>
<td>Minimum Length Of Hose</td>
<td>1.3 meter</td>
<td>5 meter</td>
</tr>
<tr>
<td>PESO Approved Composite Cylinder</td>
<td>2L x 300 Bar</td>
<td>6.8L x 300 Bar</td>
</tr>
<tr>
<td>Weight Of Extinguisher Gun (Jet Model)</td>
<td>750 gms. (Approx.)</td>
<td>750 gms. (Approx.)</td>
</tr>
<tr>
<td>Minimum Functional Time With Continuous Jet</td>
<td>26+ sec. (Approx.)</td>
<td>80 sec. (Approx.)</td>
</tr>
<tr>
<td>Lancing Distance With Jet Mode</td>
<td>12+ meter</td>
<td>15 - 17 meter</td>
</tr>
<tr>
<td>Propellant</td>
<td>Compressed Air</td>
<td>Compressed Air</td>
</tr>
<tr>
<td>Fire Rating</td>
<td>A55, B233, E1000V</td>
<td>A55 (min.), IV B, E1000V</td>
</tr>
</tbody>
</table>

NOTE: St. High Pressure System achieves additional A68 fire rating. This is achieved in combination of two wooden pallets together A68 (A55+11). This is achieved using special foam as per EN standard. This is higher than prescribed limit but it is in user’s interest and which is also allowed by EN & DIN Standards. Our systems are tested from international laboratory (NABL accredited) and 50L system is also tested by CBRI Fire Lab, Roorkee as per the standard requirement.

Advantages Of Aska Water Mist + CAFS

- Applicable on all classes of fire
- Tested & Approved By
- PESO approved Pet Liner Air Cylinder and NOC for the vessel.
- Flowing contaminated water can be used to fight fire.
- Stream can be controlled.
- Tested for 600 refills in a year & maintenance free design.
- After sales service and spare parts available.
- Pressure gauge on the system as per EN 3 standard.
- Negligible collateral damage.

Clients

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Aska Equipments Ltd.