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**For  
Petroleum  
Sector**

## High Pressure Water Mist & CAFS

OIDSD 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	R&D Centres	Oil Sumps
Fire Stations	Pump Houses	Processing Columns
Offshore Platforms	Pipeline Division	Open Channels
Rigs	Heat Exchanger Area	GGs
Petrol Pumps	Valves Manifold Area	OCS and many more

### Client List

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



Aska Hand-Held + Backpack - 9L

EN3-7 Standard



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



DIN1866 Standard

Aska Trolley Mounted - 50L



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

### Product Search in GEM

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

or  
scan QR  
Code



## The Problem

It is understood that presently first line of fire fighting team (i.e.) Operation and Maintenance Personal are dependant 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

Specifications	9 Liter Ultra Light Carbon Composite with PET Liner	50 Liter (Aluminium Alloy)
Operating Pressure	38 Bar, Constant	34 Bar
Weight Of Empty System	9.5 Kgs (Approx.)	55 Kg (Approx.)
Weight Of Filled System	19.8 Kg (Approx.)	120 Kg (Approx.)
Diameter	180 mm	420 mm
Height	670 mm	740 mm
Minimum Length Of Hose	1.3 meter	5 meter
PESO Approved Composite Cylinder Pet Liner Material - 20 years life	2L x 300 Bar	6.8L x 300 Bar
Weight Of Extinguisher Gun (Jet Model)	750 gms. (Approx.)	750 gms. (Approx.)
Minimum Functional Time With Continuous Jet	26+ sec. (Approx.)	80 sec. (Approx.)
Lancing Distance With Jet Mode	14+ meter	15 - 17 meter
Propellant	Compressed Air	Compressed Air
Fire Rating	A55, B233, E1000V	A55 (min.), IV B, E1000V

NOTE : 9L High Pressure System achieves additional A68 fire rating. This is achieved in combination of two wooden pallets together A68 (A55+A13). 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.

### Clients



**aska®**  
Aska Equipments Ltd.

Applicable on all classes of fire

Tested & Approved By



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