

# aska®



**For  
Petroleum  
Sector**

## Application Areas

|                    |                      |
|--------------------|----------------------|
| Green Buildings    | Heat Exchanger Area  |
| Fire Stations      | Valves Manifold Area |
| Offshore Platforms | Oil Sumps            |
| Rigs               | Processing Columns   |
| Petrol Pumps       | Open Channels        |
| R&D Centres        | GGS                  |
| Pump Houses        | OCS                  |

## Client List

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



<https://www.gem.gov.in>

# High Pressure Water Mist & CAFS

OISD 116 has suggested the technology.

ONGC has scaled this technology for fire stations & Off-Shore and also introduced for their green buildings.

CISF is also using the same technology.

NDMA fire guideline also recommend the technology.



EN3-7 Standard

Aska Hand-Held + Backpack - 10L



EN3-7 Standard



DIN1866 Standard

Aska Trolley Mounted - 50L

## The Problem

Whenever we see a fire we are helpless and confused which extinguisher to be used and these conventional extinguishers have to be maintained regularly, minimum fire performance / rating of dowsing fire, minimum lancing distance and there is no control discharge. For refilling also we need to send them outside and bear the cost. Further everybody is helpless to see crores of rupees damage and wait for the fire tender to arrive, the fire tender dowses the fire but does lot of collateral damage by flooding of excessive water.

## The Solution

High Pressure Water Mist & CAFS is an effective first responder, as it assures minimum fire rating of A55, B233, E1000V with control discharge and light weight gun of 750 grams approx. The lancing distance is 12-15 meters and is applicable on all three classes of fire (Class A, Class B & Live Electrical / Short Circuit Fires).

**Further individual state fire services have inducted ASKA high pressure water mist technology already.**

### Advantages Of Aska Water Mist + CAFS

- ▶ Constant operating pressure of 34/38 bar 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 & 36 KV as per IS:15683:2006.
- ▶ Backpack and Hand Held System.
- ▶ Light weight anti corrosive aluminum alloy vessel/ CFRP - Carbon Fiber Reinforced Polymer
- ▶ PESO approved 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 vessel as per EN 3 standard.
- ▶ Negligible collateral damage.

### Technical Specifications

| Specifications   | 9 Liter Carbon Vessel | 10 Liter (Aluminium Alloy) | 50 Liter (Aluminium Alloy)  |
|--|-----------------------|----------------------------|-----------------------------|
| Operating Pressure   | 38 Bar, Constant      | 34 Bar                     | 34 Bar                      |
| Weight Of Empty System   | 9.5 Kgs (Approx.)     | 16 Kg (Approx.)            | 55 Kg (Approx.)             |
| Weight Of Filled System  | 19.8 Kg (Approx.)     | 27 Kg (Approx.)            | 120 Kg (Approx.)            |
| Diameter   | 180 mm                | 200 mm                     | 420 mm                      |
| Height   | 670 mm                | 640 mm                     | 740 mm                      |
| Minimum Length Of Hose   | 1.3 meter             | 1.3 meter                  | 5 meter                     |
| PESO Approved Composite Cylinder<br>Pet Liner Material - 20 years life | 2L x 300 Bar          | 2L x 300 Bar               | 6L x 300 Bar                |
| Weight Of Extinguisher Gun (Jet Model)                                 | 750 gms. (Approx.)    | 750 gms. (Approx.)         | 750 gms. (Approx.)          |
| Minimum Functional Time With<br>Continuous Jet                         | 26+ sec. (Approx.)    | 23 sec. (Approx.)          | 80 sec. (Approx.)           |
| Lancing Distance With Jet Mode   | 14+ meter             | 12-15 meter                | 15 - 17 meter               |
| Propellant   | Compressed Air        | Compressed Air             | Compressed Air              |
| Fire Rating  | A55, B233, E1000V     | A55, B233, E1000V          | A55 (min.),<br>IV B, E1000V |

NOTE : Plz note 9L & 10L system achieve A68 and A63 fire ratings respectively. These are achieved in combination of two wooden pallets together A68 (A55+A13) & A63(A55+A8). This is achieved using special foam as per EN standard. These are higher than prescribed limit but in users intrest.

Our systems are tested from international lab (NABL accredited) and CBRI Fire Lab, Roorkee as per the standard.

#### Clients



**aska®**

Aska Equipments Ltd.

Applicable on all classes of fire Tested & Approved By



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