

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.



Aska Hand-Held + Backpack - 10L

EN3-7 Standard

Aska Hand-Held + Backpack - 9L

EN3-7 Standard



Optional



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 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 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.), 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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