



**ADVANCED FIRE AND SAFETY  
INDIA PVT. LTD.**

# WATERMIST SYSTEMS

## AFS Low Pressure Backpack Watermist / CAF System (9 Liters) Conformity to EN 3-7:2007-10

PRESSURE VESSEL MOC	Stainless Steel / Aluminium Alloy		
AIR CYLINDER MOC	Steel / Carbon Composite		
AIR CYLINDER CAPACITY	2L X 200 Bar	2L X 300 Bar	4.7L X 300 Bar
<b>PERFORMANCE PARAMETER</b>			
LANCING DISTANCE (MAX)	Jet 13M & Spray 6M		
DISCHARGE TIME (MIN)	22 Sec		
FIRE RATING	55A:233B		
DI-ELECTRICITY SUITABILITY	1000V		
WORKING PRESSURE	8.5 Bar		



## AFS Low Pressure Trolley Watermist / CAF System (50 Liters) Conformity to EN 1866

PRESSURE VESSEL MOC	Stainless Steel / Aluminium Alloy	
Air Cylinder MOC	Steel / Carbon Composite	
AIR CYLINDER CAPACITY	6L X 300 Bar	6.8L X 300 Bar
<b>PERFORMANCE PARAMETER</b>		
LANCING DISTANCE (MAX)	Jet 13 M & Spray 6 M	
DISCHARGE TIME (MIN)	120 Sec	
FIRE RATING	55A : IV B	
DI-ELECTRICITY SUITABILITY	1000V	
WORKING PRESSURE	15 Bar	
WEIGHT FILLED (MAX) WITH AIR CYLINDER	110 Kg	108 Kg



## AFS Low Pressure Backpack Watermist with Respirator (9 Liters)

TYPE OF SYSTEM	Backpack Mounted Type Water Mist System With SCBA Set
AIR CYLINDER CAPACITY	2X (2 Liter X 300 Bar)
<b>PERFORMANCE PARAMETERS (WATER MIST SYSTEM)</b>	
LANCING DISTANCE (MAX)	Jet 13M & Spray 6M
DISCHARGE TIME (MIN)	22 Sec
FIRE RATING	55A : 233B
DI-ELECTRICITY SUITABILITY	1000V
WORKING PRESSURE	8.5Bar
<b>PERFORMANCE PARAMETERS (BA SET)</b>	
WORKING DURATION	15 Min
QRC TO CONNECT LDV	Yes
FACEMASK	EN 136 Class 3 & BS 8468-1:2006
LDV & MASK	3M SCOTT



## AFS Low Pressure Trolley Watermist With Respirator (50 Liters)

<b>PRESSURE VESSEL MOC</b>	Stainless Steel / Aluminium Alloy	
<b>AIR CYLINDER MOC</b>	Steel / Carbon Composite	
<b>AIR CYLINDER CAPACITY</b>	2X 6L X 300 Bar	2X 6.8L X 300 Bar
<b>PERFORMANCE PARAMETER</b>		
<b>LANSING DISTANCE (MAX)</b>	Jet 13 M & Spray 6 M	
<b>DISCHARGE TIME (MIN)</b>	120 Sec	
<b>FIRE RATING</b>	55A : IV B	
<b>DI-ELECTRICITY SUITABILITY</b>	1000V	
<b>WORKING PRESSURE</b>	15 Bar	
<b>WEIGHT FILLED WITH AIR CYLINDER</b>	110 Kg	108 Kg
<b>PERFORMANCE PARAMETERS (BA SET)</b>		
<b>WORKING DURATION</b>	45 minutes	45 minutes
<b>QRC TO CONNECT LDV</b>	Yes	
<b>FACEMASK</b>	EN 136 Class 3 & BS 8468-1:2006	
<b>LDV &amp; MASK</b>	3M SCOTT	



## AFS "POWER QUAD" Watermist/CAF System (250 to 500 Liters)

<b>TYPE</b>	Stored Pressure
<b>NO. OF CYLINDER</b>	4
<b>CYLINDER WATER CAPACITY</b>	250L to 500L
<b>WORKING PRESSURE</b>	15Bar
<b>TROLLEY CONSTRUCTION</b>	MIG Welded
<b>MATERIAL OF CONSTRUCTION</b>	SS 304 Grade
<b>WHEEL</b>	Solid Rubber Wheel
<b>DISCHARGE CONTROL</b>	Lever Operated Ball Valve
<b>WEIGHT OF THE GUN</b>	<2kg
<b>CONNECTION SIZE</b>	1" BSP INT
<b>DISCHARGE NOZZLE</b>	Cannon spray type / CAFS nozzle gun type
<b>EXTINGUISHING AGENT</b>	Water, Extinguishing Foam Agent



# FIRE FIGHTING BIKES

Fire Fighting Bike fitted with Water Mist Technology for fighting fires in a quick and efficient manner as a first response in narrow lanes of urban and rural area, unapproachable field and highways specially designed keeping in mind the Indian Geographical Conditions on Royal Enfield Bullet which can carry at least 24 liters of water tank with 15 meters hose reel coupled with a Discharge Gun.

## AFS Rapid Response Firefighting & Emergency Bike - Air propellant



## AFS Rapid Response Firefighting & Emergency Bike - Pump Operated



TECHNOLOGY	Water Mist System
TYPE	Breathing air pressurized
PA SYSTEM	Mike with Hooter
ALERT	Siren & Beacon
FIRSTAID KIT	Yes
NO. OF CARRIER (RECOMMENDED)	01
BIKE (RECOMMENDED)	Royal Enfield Classic
MOC OF STRUCTURE	SS 316
NO OF VESSEL	2x12L
MOC OF VESSEL	Steel
AIR CYLINDER CAPACITY	6Lx300Bar   6.8L x300bar
AIR CYLINDER MOC	Steel / Carbon Composite
SPECIAL FEATURE	Integrated with SCBA System

TECHNOLOGY	Water Mist System
TYPE	Separate Engine & Pump Operated
PA SYSTEM	Mike with Hooter
ALERT	Siren & Beacon
FIRSTAID KIT	Yes
NO. OF CARRIER (RECOMMENDED)	01
BIKE (RECOMMENDED)	Royal Enfield Classic
MOC OF STRUCTURE	SS 316
NO OF VESSEL	2x12L
PUMP TYPE	High Pressure piston pump
PUMP FLOW RATE	8LPM
PUMP POWER	5HP (Max)
PUMP PRESSURE	100 Bar (Max)

# FIRE FIGHTING VEHICLE

## AFS Quick Response Vehicle (QRV)

AFS Engine Operated High pressure water mist & CAF Fire Extinguishing System is highly effective and standalone system. Its compact & robust design help the user to fire fight independently without the need of any external sources. The complete system is based on water mist technology. This system comes with various capacity from 150 Liters upto 650L. The operation of this system is powered by 4 stroke diesel / petrol engine. Capacity for upto 5 crew members including driver.

EMPTY WEIGHT TANK	Approx 300 kg
FILLING VOLUME	300L
SIZE	Compact as possible
FOAM CAPACITY	50 Liters
NO. OF DELIVERIES	2 nos.
HOSE REEL	60 m standard on Manual Drum
OPERATING PRESSURE	100 bars (Max)

MIN FLOW	38 to 42 Lpm
DISCHARGE DISTANCE	Not Less than 15 meters
ENGINE POWER	Not Less than 11BHP
FUEL	Unleaded Petrol
STARTER	Electrical Starter with provision of pull cord
LEVEL INDICATOR	Mechanical
ACCESSORIES	First Aid Kit, Tool Kit



# TRAINING

## BA Gallery

We offer complete service for breathing Apparatus training galleries for confined space training, A state of the art PLC control system along with Multiple training scenarios are designed just to our customers' demands, always in accordance with local and international standards, such as DIN 14093. Supervision of the trainee is realized by a step contact system along with a remote controlled thermal image camera. Heart rate monitoring is available upon request.

### Key Components:

- » Control Room & Safety Systems
  - Acoustic Monitoring System
  - Intercom
  - CCTV Cameras etc
- » Simulation Equipment
  - Heat Simulators
  - Smoke Generation unit
  - Noise Unit etc
- » Training Area
  - Manholes
  - Crawling Pipe
  - Casement door etc
- » Work Room



## Live Fire Fighting Simulators / Training props / Aircraft Fire Simulator / Simulator for Defence

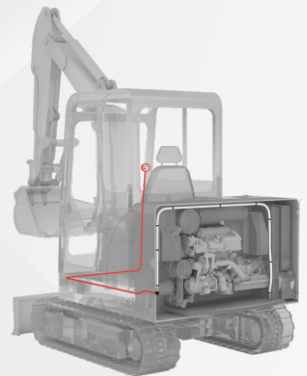
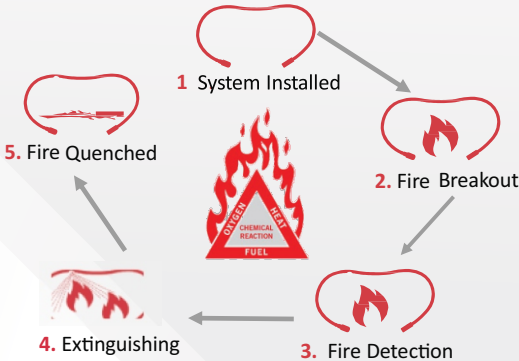
We offer all types of highly realistic “Real Fire Training Systems” – for aircraft (civilian and military), oil & gas / general industry, structural and Civil Defence. These may be small portable units for Fire Extinguisher training right through to full size A380 aircraft fire training systems. Mobile, “containerized” or Fixed installations. Our systems offer a large flexibility in training scenarios whilst being simple to operate and incorporate full systems diagnostics and self checks wherever possible. All systems are designed to meet and exceed all relevant specifications and environmental / emission requirements



# SUPPRESSION SYSTEM

## Instant Fire Suppression System – Cylinder less

- » No Cylinders
- » No power required
- » No maintenance parts
- » No additional connections
- » No operational input from operators
- » No pressurisation for installing system
- » Choice of clean agent HFC-227ea or FK-5-1-12
- » Sizes 0.25m to 6m in length
- » Optional Components Pressure Switch, Alarm Panel and signalling units



## Instant Fire Suppression System – Cylinder Based

### Highly customisable systems to suit almost any application

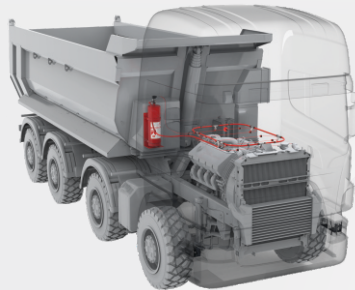
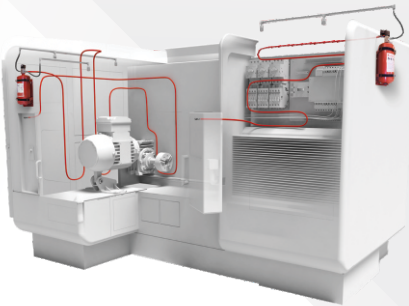
- » Systems can be designed to suit each application
- » Small cylinders for easy placement and small footprints
- » Many sizes to suit the application from 1kg to 16kg cylinders
- » Cylinders can be connected in series to increase size
- » Powder, Foam or Gas fire agents can be used
- » Automatic and manual and intrinsically safe combinations
- » Complete with monitoring Alarm systems or remote actuators
- » Low cost
- » Fast acting
- » Easy installation
- » Various actuation temperature options at 57oC, 105oC, 170oC, 185°C, 240oC and others



DLP



ILP





# RESPIRATORS

## Sigma II Type II

- » EN 137:2006 type 2 Approved
- » High Performance Pneumatics
- » First breath Activated demand valve with Bypass
- » Kevlar Blend FR webbings and cylinder band
- » Supports wide range of Facemask
- » Corrosion resistant nickel plated components
- » Simple and easy to use



## Propak FX ez Flow with integrated thermal Imaging Camera

- » EN 137:2006 type 2 Approved
- » High Performance Pneumatics
- » First breath Activated demand valve with Bypass
- » Kevlar Blend FR webbings and cylinder band
- » Supports AV3000HT Facemask
- » Supports In-mask Thermal Imaging System
- » Supports communication via Bluetooth



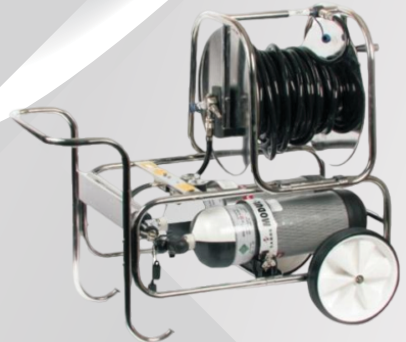
## Emergency Life Support Apparatus (ELSA)

- » Reliable, Robust and simple to operate
- » Provides optimum protection during escape situations.
- » Constant flow positive pressure hood
- » Ori-nasal inner mask prevents mist and CO<sub>2</sub> dead space.
- » Available in 5Min., 10Min. and 15Min. duration range



## Trolley Airline Breathing Apparatus (TABA)

- » Robust and reliable, stainless steel construction
- » 2 or 4 man operation
- » 2 or 4 cylinder capability
- » High performance pneumatics



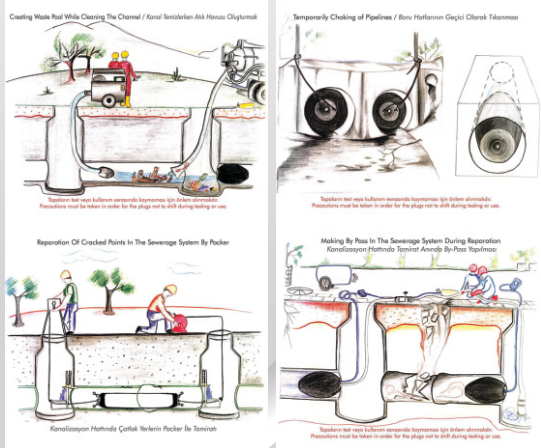
# RESCUE EQUIPMENT



**RESCUE AIR LIFTING BAG**



**PIPE PLUG**



**DUCK BAG**



## ADVANCED FIRE AND SAFETY INDIA PVT. LTD

AN ISO 9001:2015 NABCB CERTIFIED COMPANY

CIN U28193UP2024PTC204216



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