

Hydramist® 15AMPU Compact Fire Suppression Unit

Hydramist Product Factsheet Issue 1



Description

The Hydramist® 15AMPU featuring automatic and manual operation comprises of one 15 litres/min high pressure, high specification pump with electrically driven single phase motor. A self monitoring flow sensor arrangement provides automatic operation – a power healthy lamp is also contained within the stainless steel cabinet.

The unit offers a stand alone solution only requiring connection to standard single phase electrical power and potable water. The unit is designed to be wall mounted.

The Hydramist® 15AMPU has been designed to provide fast and effective automatic response to fires in a wide range of applications.

The system was initially designed to provide fire suppression to catering sized deep fat fryers and associated ducting. It has also been successfully tested for use as an automatic fire suppression unit in custodial cells.

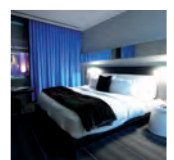
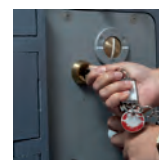
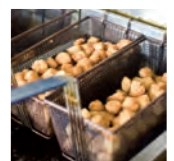
15AMPU

Automatic fire suppression unit



Applications

- Restaurant Fryers
- Industrial Fryers
- Ovens
- Food Processing Factories
- Prisons
- Hotels
- Guest Houses
- Accommodation Blocks
- Schools
- Colleges
- Universities
- Residential accommodation



LPS1223 approved



Hydramist® 15AMPU Compact Fire Suppression Unit

Technical Description and Services

Hydramist® 15AMPU consists of the following core components:

- 1 x Stainless steel cabinet
- 1x Flow monitoring sensor
- 1 x Low pressure water inlet connection
- 1 x High pressure pump and motor
- 1 x High pressure manifold
- 4 x Set of volt free contacts N/O-N/C for shutdown, alarm or BMS connections if required
- 1 x Set of mounting brackets
- 1 x Operator's manual



UNIT CAPACITY LITRES/MIN	PUMP PRESSURE BAR	MOTOR KW	MOTOR PHASE Ø	MOTOR VOLTS VAC	MAINS CURRENT RATING A/Ø	SUPPLY FREQUENCY HZ	BREAKER TYPE REQUIRED
15	100-120	3	Single	220 - 240	20	50	Motor Rated

MOTOR START	WATER SUPPLY (POTABLE) LITRES/MIN	WATER INLET CONNECTION	HEIGHT MM	WIDTH MM	DEPTH MM	WEIGHT (DRY) KG
Direct on-line	15	¾" female B.S.P.	640	310	340	50

PRODUCTS:

Gaseous Suppression



Inert Gas (IG-01, IG-55, IG-100, IG-541)
Novec 1230™ Fluid (FK-5-1-12)
FM-200® / NAF S 227 (HFC-227ea.)
Ecaro 125® / NAF S 125 (HFC-125)
Carbon Dioxide (CO₂)
Hybrid Systems (N₂ / Water)
Pressure Relief Vents
Enclosure Integrity Testing Equipment
Pipe & Fittings

Water Suppression



Water Mist - High Pressure
Water Mist - Intermediate Pressure
Water Mist - Low Pressure
Hybrid Systems (Water / N₂)
Monitors & Delivery Systems
High Speed Deluge

Foam Suppression



Foam Concentrates
Foam Proportioning
Foam Delivery Systems
Foam Concentrate Testing

Explosion Protection



Explosion Suppression
Explosion Isolation
Explosion Vents & Pressure Relief
Spark Suppression
Explosibility Testing

Fire Detection



Linear Heat Detection - Digital
Linear Heat Detection - Fibre Optic
Linear Heat Detection - Micro Chip
Flame Detection
Video Imaging Detection
Spark Detection
Control & Indicating Equipment
Thermal Imaging Detection
Aspirating Smoke Detection

Military & Defence



Military Vehicles
Naval Vessels

Special Applications



Micro Environment
Oxygen Reduction
Kitchen Protection Systems
Dry Chemical
Vehicle Systems
Compressed Air Foam
Marine & Offshore
Vapour Mitigation

Support Services



Design / Engineering
Technical Support
Services & Testing

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