

UnQondo – Skid Units – UHP 100 High Pressure

GENERAL

The unit is designed to provide **First Response Fire Fighting** to property and save life essentially where no Fire fighting services are available at short notice.

The unit shall be mounted onto a 1 ton LDV without the need for any special equipment.

ULTRA HIGH PRESSURE FIRE FIGHTING PUMP System

The System is made up with the following main components:-

Engine

Piston pump

Hose Reels x 2

One of the nozzles will also have a foam cone for foam applications.

WATER AND FOAM TANKS

Water Tank – 600 Litre, Poly Prop, Baffles, and Located behind the cab.

Foam Tank 25 Litre, Poly Prop - Located at rear of vehicle.

Engine:

The engine shall be 15 HP engine with electric start and manual backup.

Pump:

The ultra-high pressure pump - flow of 42 l/min at 100bar.

Plumbing

Piping shall be of the Rigid type of Galvanised type and fitted with the necessary components for efficient operation and.

Hose reels

Two axial feed high-pressure aluminium hose-reels with rewind handles and locking devices shall be installed one on each side of the pump unit with operation able through the side front lockers. The reels will have the following characteristics:

Temperature resistance	150° C
Hose length	50 m
Nominal hose diameter	10 mm
Maximum operating pressure hose	180 bar

High pressure hose reel/fog gun:

The nozzle supplied with the hose reel shall be equipped with a foam cone and be adjustable between full jet and fog. The foam cone shall be a medium expansion foam adapter capable of a delivery of approximately 36 l/min and have a range of approximately 20m given the wind conditions. The nozzle shall be able to withstand a maximum pressure of 200 bar and a temperature of 150° C.



UnQondo General Purpose Fire Fighting Skid Units – Medium Pressure

Data Sheet	Skid Unit ULHP 100
Ref	Skids 07/2012-Rev 0
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