

hydramist[®] 30, 36, 45 & 54 Compact Pump Unit

Description

Issue 1

The Hydramist[®] Compact Pump Unit uses a combination of 15 and 18 litre/min high pressure pumps operating at 100 - 120bar. A flow regulating by-pass valve ensures a constant pressure is achieved independently of the system flow demand.

The pumps work together to give a maximum flow of 30, 36, 45 or 54 litres/min into an integral high pressure manifold mounted on the pump unit frame. The unit can be configured to include pump redundancy, dependant on flow requirement.

A water break tank of 250 litres capacity is mounted above the pumps to ensure that sufficient initial water is available to provide a fast and efficient response.



Applications

Prisons, Hotels, Guest Houses & Accommodation Blocks
 Offices and Public Spaces
 Archive Stores & Libraries
 Warehouses and General Storage Facilities
 Power Generation (Diesel Generators, Turbines, Battery Rooms)
 Engine Test Cells
 Data Centres, Communications and Server Rooms
 Plant and Electrical Switch Rooms
 Industrial Fryers, Ovens and Food Processing Factories

Technical Data & Services

Unit Capacity litres/min	Number of Pumps	Pump Pressure bar	Motor kW	Motor Phases Ø	Motor Volts Vac	Supply Current A/Ø	Supply Frequency Hz	Breaker Type Required
30	2 x 15	100 - 120	8	Three	380 - 415	32	50	D
36	2 x 18	100 - 120	11	Three	380 - 415	45	50	D
45	3 x 15	100 - 120	12	Three	380 - 415	45	50	D
54	3 x 18	100 - 120	16.5	Three	380 - 415	63	50	D

Each Hydramist[®] Compact Pump Unit consists of the following core components:

- 1 x 250 litre break tank
- 1 x Low pressure water inlet manifold
- 1 x Water filtration set
- 1 x High pressure outlet manifold
- 1 x High pressure gauge
- 1 x Control Panel
- 1 x Operator's Manual

Common to all Units

Motor Start	Water Supply litres/min	Inlet Connection	Height mm	Width mm	Depth mm	Weight kg
Direct on-line*	54 potable	1" female BSPP	1575	840	1135 including control cabinet	390 excluding water

*Note: Each pump motors start Direct On Line individually at 3 second intervals to reduce start up loads.

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