



P Series Pump 30

Fire Commando Pump

for Residential & Domestic use

Introduction

- *Watermist fire suppression systems* have demonstrated their value in assisting the protection of life and property in industrial and commercial applications for many years.
- A correctly designed, installed and properly maintained *watermist fire suppression system* can detect, suppress and control a fire at an early stage of development, in addition active an alarm.
- Operation of the system rapidly reduces the rate of production of heat and smoke, allowing more time for the occupants to escape to safety or be rescued.



The Fire Commando Pump

has been designed to meet:

B.S. 8458

B.S. 8489

Section 6.61
*Domestic
Occupancies*

Section 6.62
*Residential
Occupancies*

Section 6.7
*Discharge
duration*

Section 6.8
*Water
Supplies*

These sections are major factors within the design and accreditation of all Water Mist systems

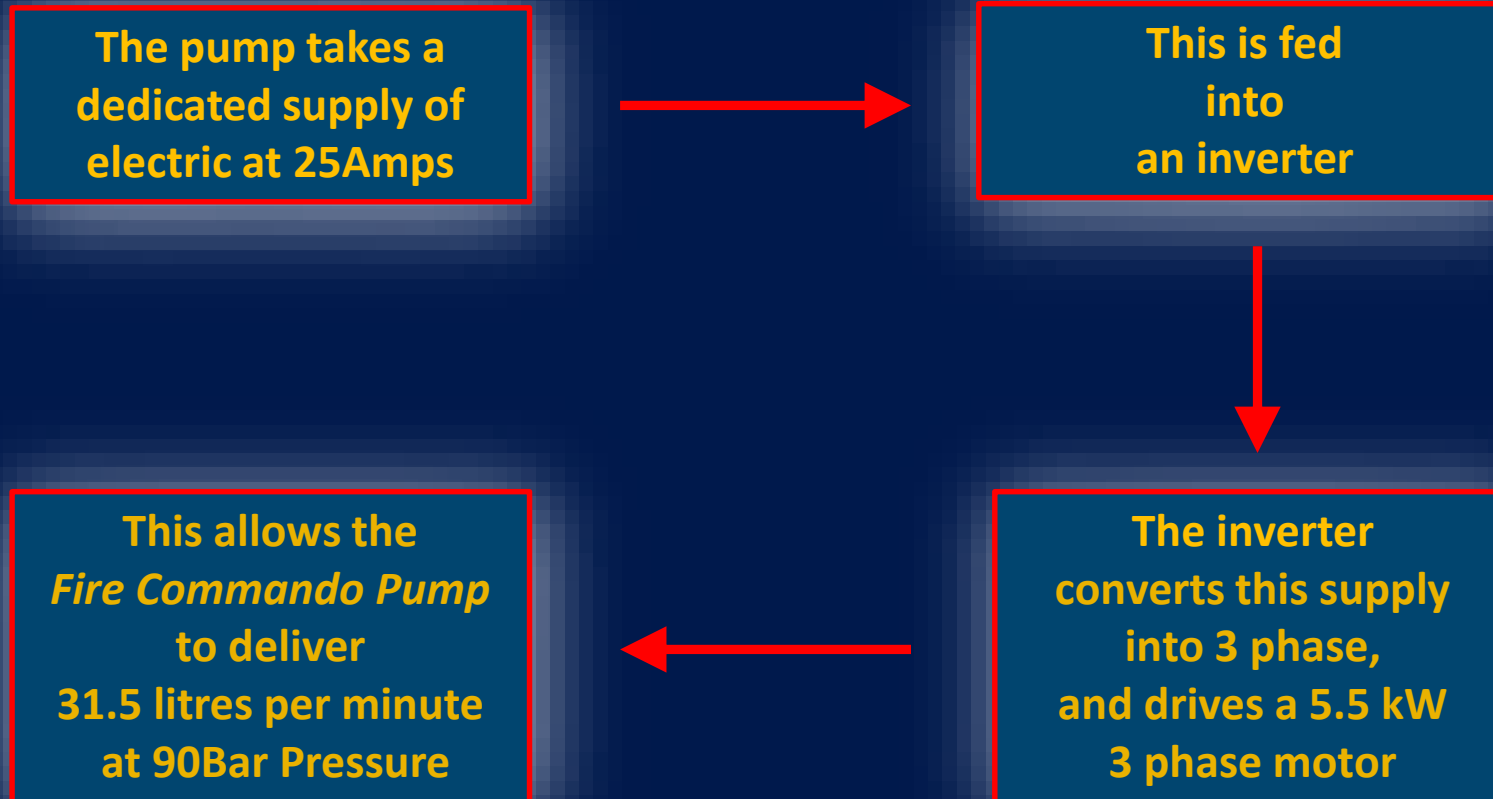
Water & Power Supply

- The **Fire Commando Pump Set** accesses water flow and pressure from the house mains water supply, and electric power from the domestic supply to the house.
- Due to the lack of water flow to the house, the **Commando Pump** has a polyethylene header tank, sized to allow an inflow and outflow for a continual 30 minutes.



Water and Power Supply

is achieved by:



P30 Pump Specification

Specification		
Pumps		FP10
Displacement (cc/rev)		10.5
Max. RPM		3000
Max. Input Power (kW)		5.5
Max. Water Flow (l/min)		31.5
Max. Cont. Pressure (Bar)		100
Weight (kg)		2
Temperature (°C)	Max:	50
	Min:	2



Closed Spray Head



Open Spray Head



Corner crib fire test at Exova

British Standard BS 8458

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Investigation on the capability of a Watermist System to control a fire utilising the principles of the test procedure defined in BS 8458:2015: Annex C



Investigation on the capability of a Watermist System to
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Standards and Laboratory Testing Accreditation

- British Standard BS 8489: 2016
- NFPA 750
- Exova
- BSI Standards Publication




IP11 Patent


**Intellectual
Property
Office**

Filing Receipt

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We have received your request for grant of a patent and recorded its details as follows :

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Applicant(s)/contact point**	: Ultimate Fire Systems Limited



Thank You

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