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

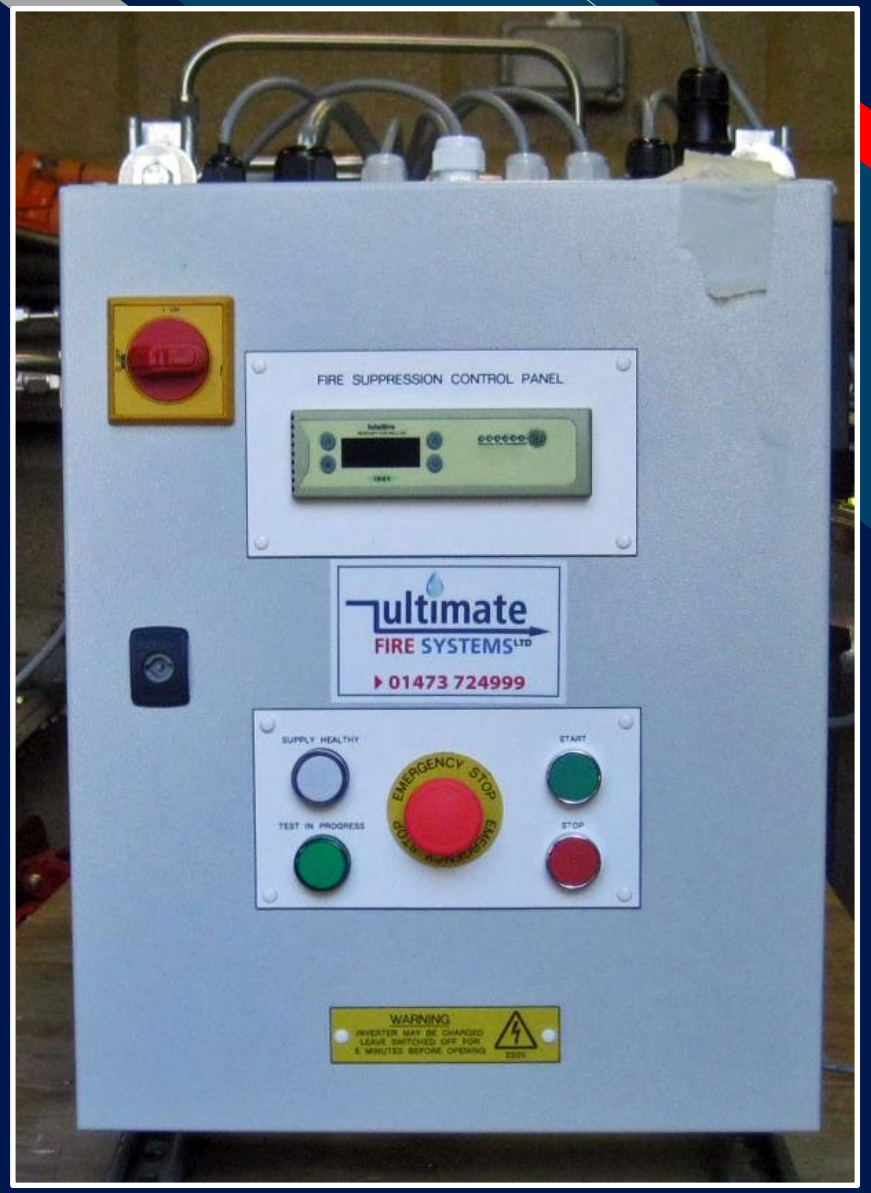
- Section 6.61 ***Domestic Occupancies***
- Section 6.62 ***Residential Occupancies***
- Section 6.7 ***Discharge duration***
- Section 6.8 ***Water Supplies***

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:

The pump takes a dedicated supply of electric at 25Amps

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This is fed into an inverter

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The inverter converts this supply into 3 phase, and drives a 5.5 kW 3 phase motor

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This allows the *Fire Commando Pump* to deliver 31.5 litres per minute at 90Bar Pressure

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

Standards and Laboratory Testing Accreditation

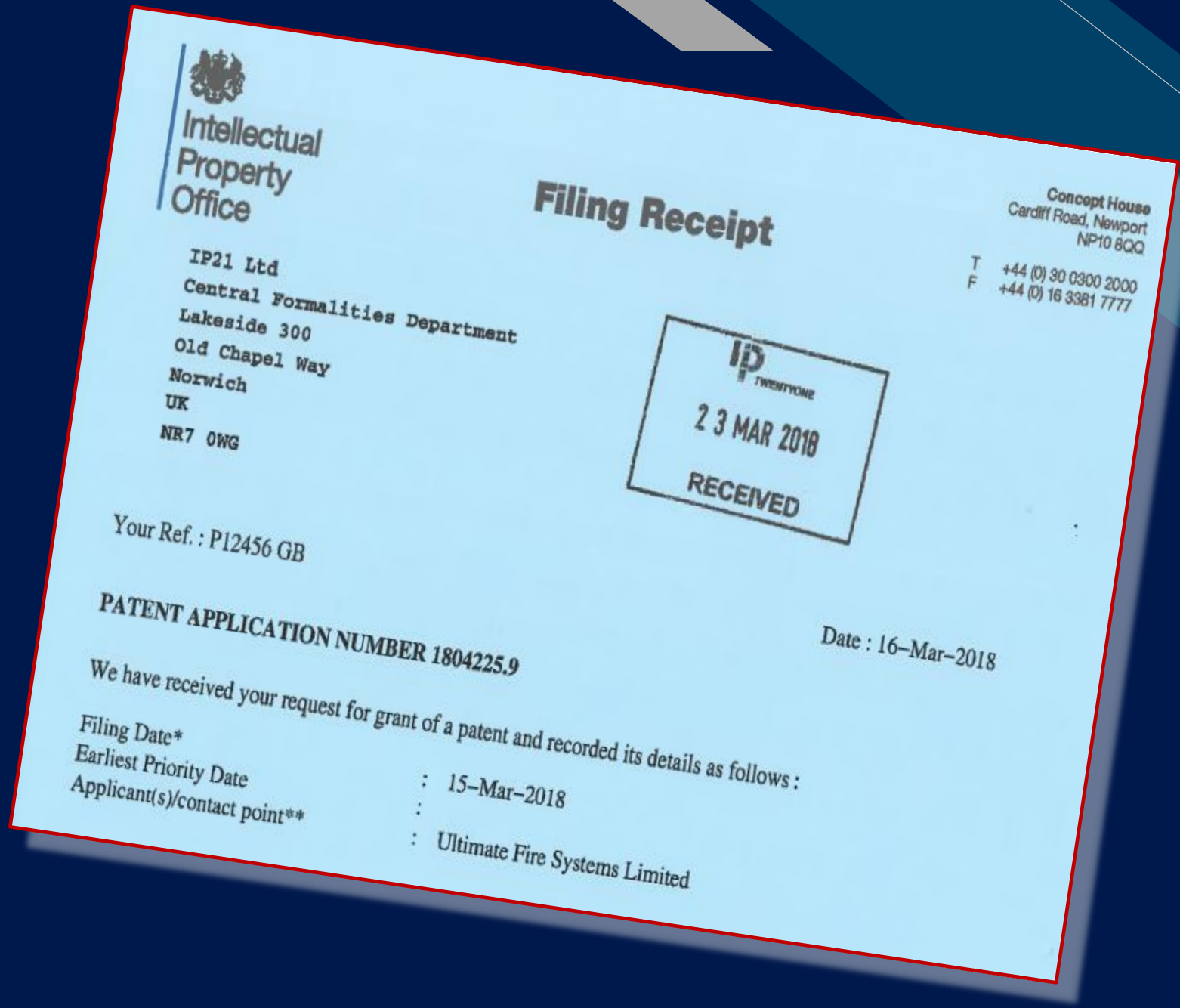
- British Standard BS 8489: 2016
- NFPA 750
- Exova
- BSI Standards Publication

bre Burn Hall

NFPA 750
Standard on Water Mist Fire Protection Systems
2019

Exova

IP11 Patent



Intellectual Property Office

Filing Receipt

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IP TWENTYONE
23 MAR 2018
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Your Ref. : P12456 GB

PATENT APPLICATION NUMBER 1804225.9

Date : 16-Mar-2018

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

Filing Date* : 15-Mar-2018
Earliest Priority Date :
Applicant(s)/contact point** : Ultimate Fire Systems Limited

Thank You

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