

## FLAMCO PRESS DS PRESSURISATION UNIT

### PRODUCT OVERVIEW

The PressDS is a compact, floor-standing digital pressurisation and dosing unit designed for sealed systems in commercial and industrial applications. It features an 18-litre additive storage tank, automatically mixing and adding treatment chemicals during system top-up. With a maximum flow rate of 18 l/min and a user-friendly microprocessor, it ensures precise pressure control and fluid balance. Equipped with MODBUS communication, safety alarms, and an event logging system, the PressDS enhances system reliability while reducing maintenance requirements.



### PRODUCT FEATURES



**Automatic Chemical Dosing** – Blends treatment additives during top-up to maintain optimal fluid balance.



**Enhanced Safety Features** – Includes pump runtime limiter, excessive start alarm, and flood protection.



**High System Capacity** – Suitable for sealed systems up to 300,000 litres.



**User-Friendly Interface** – Password-protected, sequential programming menu with pressure settings in 0.1 bar increments.



**Flexible Mixing Ratios** – User-configurable balancing valves allow mix ratios from 1% to 50%.



**Durable and Certified Construction** – Powder-coated mild steel cabinet, WRAS-approved float valve, and IP54-rated controller.



**Intelligent Monitoring** – MODBUS RTU communication with event logging and service reminders.



**Industry Compliance** – Meets PED, IEE, WRAS, and BS 7074 standards for safety and performance.

FEATURE	SPECIFICATION
TECHNOLOGY	Digital pressurisation & dosing system
FLOW RATE	Up to 18 l/min
BREAK TANK CAPACITY	4 litres
SYSTEM VOLUME CAPACITY	Up to 300,000 litres
OPERATING PRESSURE	PN 10
MAX TEMPERATURE	85°C
PUMP TYPE	Electric, 230V 50Hz 1ph
FLUID PROTECTION	Category 5 (AB Weir Overflow)
EVENT LOGGING	Alarm activations, pump runtime, electrical interruptions
COMMUNICATION	MODBUS RTU Protocol
CERTIFICATIONS	WRAS Approved, CE Marked, BS 7074, EMC 2004/108/EC

MODEL	MAX PRESSURE (BAR)	POWER (KW)	CURRENT (A)	WEIGHT (KG)
PressDS 225D	3	2 x 0.37	2.6	35
PressDS 250D	6	2 x 0.5	3.5	39
PressDS 280D	8	2 x 0.75	5.6	45