

Data Sheet

PC-DS-9/26-7

OVERVIEW

Pressurecheck is a compact, off-site constructed pressure boosting system, delivered ready for fast installation. Significantly smaller and more cost-effective than traditional pump and tank systems, it provides an ideal space-saving solution where full-capacity tanks cannot be accommodated.

Designed for sites with low, unreliable or non-guaranteed mains pressure, Pressurecheck enhances the existing water supply using a dual-route system. Under normal conditions, water flows directly from the mains into the sprinkler system. If mains pressure is insufficient, an LPCB-approved fire pump automatically activates, drawing water from the AVC (acting as a break tank) and supplying the system at the required pressure.



Specification

PRESSURECHECK

Actual Size	3.2 x 2.2 x 2.3m (L x W x H)
Recommended Installation Space	4.6 x 3.8 x 2.9m (L x W x H)
Inlet / Outlet Pipe	6" (Ø165.1mm)
	Roll groove (both ends)

COMPONENTS

Approval	Key components LPCB approved
Control Panel	Full monitoring facilities and volt free connections for remote signalling.
Fire Pump	LPCB approved OH1, OH2 or OH3 (15, 30 or 45m)
Backflow Prevention	6" Danfoss BA4760
Infill	2x DN50 Minimax SV-2 Float Valve
Frame Material	Steel box section (50 x 50 x 3 mm)
Frame Coating	Plascoat PPA571 coating (long-term water proof protection)

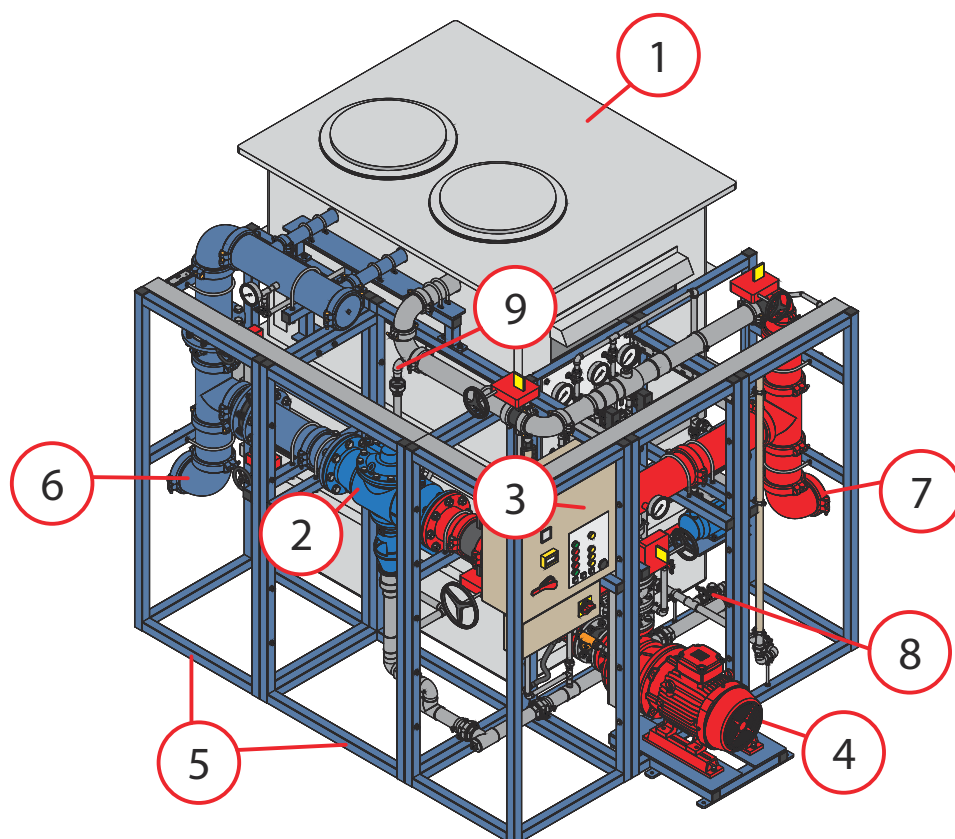
DRAINAGE & TEST RETURN

Common Drain	2" Common Drain (3 connection points)
Overflow	6" Combiscreen overflow
Test return line	3" with approved flow meter (max flow 1800 Lpm)

ANTI-VACUUM CHAMBER

Approval	WRAS
Air Gap Type	AA
Air Gap Description	Hygienic designed airgap incorporates light preventative cowls complete with 600 micron mesh screen.
Material	Constructed from multi-directional glass fibres in polyester resin matrix. Internal surface laminated with tough gel-coat finish. External surface finished in brush applied flow-coat.
Approvals	All components in contact with the town main water will be WRAS approved.

COMPONENT	NUMBER
AVC	1
RPZ	2
Controller	3
Pump	4
Frame	5
Inlet	6
Outlet	7
Drain	8
Overflow	9



Create Space

Traditionally, sprinkler systems have been supplied by a large suction tank and pumped system. These solutions require a huge amount of floor space and, because of their size, are often forced outside into specially built, large pump house buildings. This solution has been the norm for many years but incurs huge construction and planning costs and also the hassle of co-ordinating such large scale projects.

Pressurecheck® has a much smaller footprint than traditional solutions, and as a result, can often be fitted inside the building requiring no additional construction. Further to this, for existing buildings with limited access, Pressurecheck® can be separated into sections at the factory and delivered to site. Each section is designed to fit neatly through a single door way and can be re-assembled quickly in-situ.

Simplicity by Design

Off-site technology is changing the thinking behind construction projects today. In an increasingly crowded world where space is at a premium, space saving solutions are becoming essential. Not only does Pressurecheck® deliver massive space savings, it also simplifies the project planning, installation and commissioning stages.

In most cases, traditional pump and tank solutions often require lengthy installation periods involving construction work, extensive planning & co-ordination and costly visits (and re-visits) by electricians, fitters and tank engineers (etc). Pressurecheck®, however, is pre-built in sections within the factory and arrives fully pre-wired and tested, ready to be connected to the sprinkler system.

Many of the headaches traditionally associated with contracting can be eradicated by using Pressurecheck® and because of the off-site nature of the product, Pressurecheck® can dramatically reduce the on-site costs normally caused by snagging issues and complications that invariably crop up.