

Data Sheet

PC-DS-1/26-6

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 unguaranteed 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

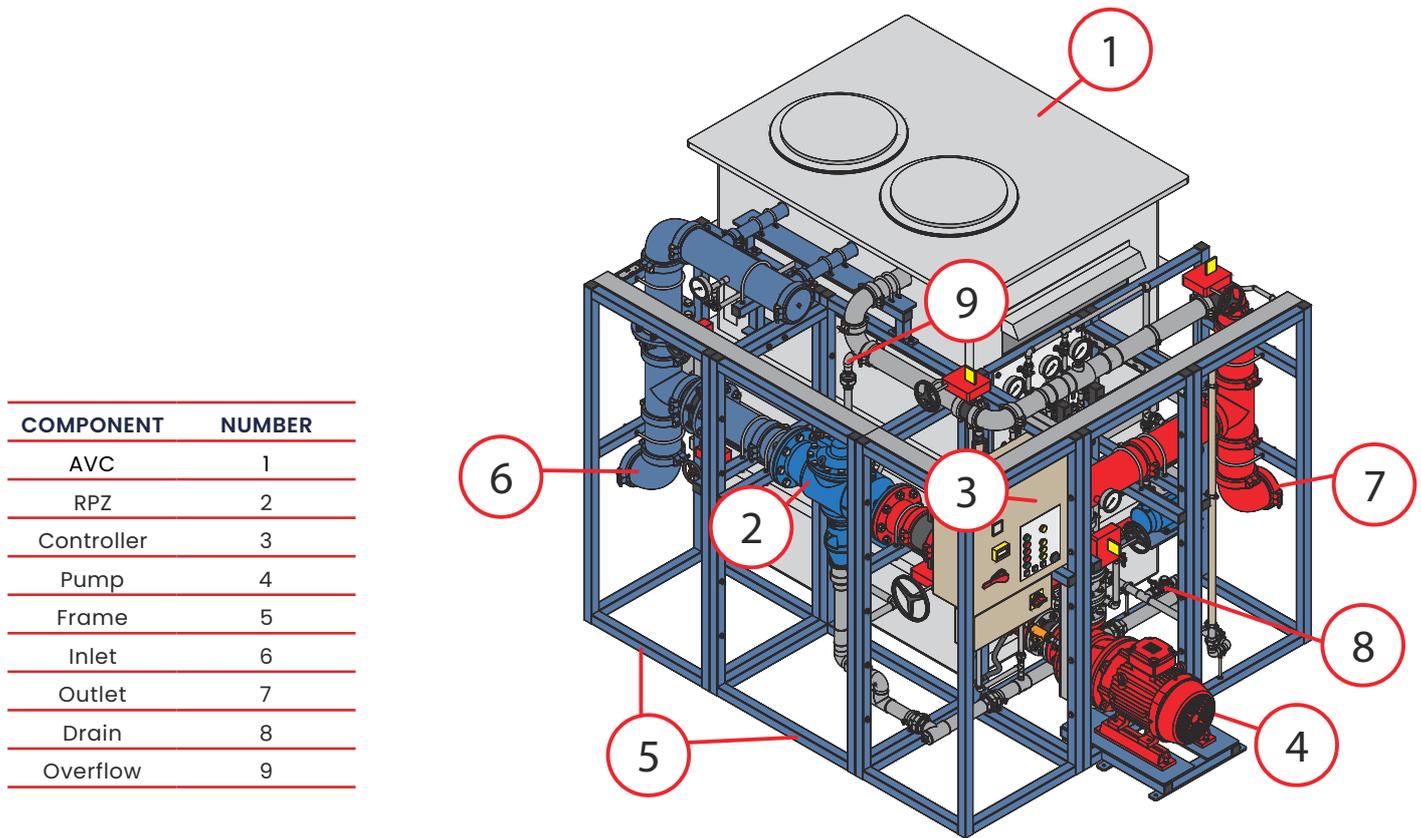
| | |
|---------------------|---|
| Approval | Key components LPCB approved |
| Control Panel | Full monitoring facilities and volt free connections for remote signalling. |
| Fire Pump | OH1, OH2 or OH3 (15, 30 or 45m) |
| Backflow Prevention | 6" Danfoss BA4760 |
| Infill | 2x DN50 Minimax SV-2 Float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

DRAINAGE

| | |
|--------------|---------------------------------------|
| Common Drain | 2" Common Drain (3 connection points) |
| Overflow | 6" Combiscreen overflow |

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.