

A.O.Smith Commercial Unvented Cylinders

High Pressure Hot Water Systems using pressurised unvented storage for very high performance mains or pump fed hot water. The A.O.Smith range of commercial storage vessels ranges from 300 to 3000 litres, and is suitable for virtually any application from unvented mains storage to buffering large boiler / heating systems.

- Mains Fed Hot Water up to 10 bar.
- Coated Steel Construction.
- PermaGlas® Ultra Coat™ second-generation glass coating.
- Direct, Indirect and Twin Coil models.
- Electric Elements from 3 to 36kW.
- 10 bar Working Pressure.
- Up to 3" Inlet / Outlet Connections.
- Highly Efficient Removable Insulation Casing
- Single-wall spiral heat exchanger
- Insulated access cover for comprehensive maintenance
- Replaceable magnesium anode (option for powered)
- 3 Year Warrantee.

Range of Application:

The A.O.Smith storage comes in three types, Direct, Indirect and Twin Coil, with options for External Heat Exchangers allowing for a combination of up to four heat sources (including electrical). They can be used with domestic mains water, or with boiler primary water up to very high pressures, and with sizes up to 3000 litres make this range the first choice for most commercial applications.



PHE Recovery:

To generate higher quantities of hot water, units can be supplied with plate heat exchanger recovery sets up to 320kW, equivalent to another 6000 litres per hour of hot water. Resulting store sizes are much smaller than otherwise possible. This option also provides the ability to heat up specific quantities, which can be very useful when an economy mode is required, or there is a variable source such as solar also employed.

Intelligent Controls:

Further options include the fitting of Coster C-BUS linked controls enabling remote control over storage temperatures and timing, and even automatic communication of alarms via modem. Any number of systems can be linked using the 2-wire system, and unlike most systems the computer software and backup is provided completely free of charge for any number of sites.