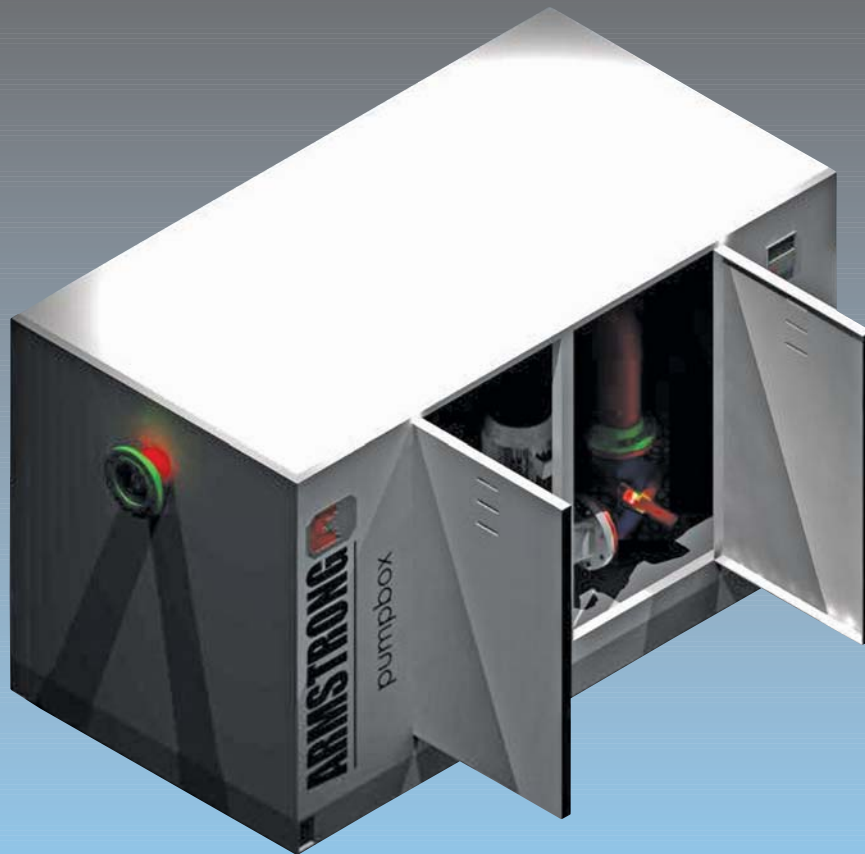


ARMSTRONG



Fully Integrated HVAC Pumping System

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► Armstrong Pumpbox

The Armstrong Pumpbox is a fully integrated HVAC pumping system housed in a compact, thermally and acoustically insulated, weatherproof enclosure. Pumpbox is the perfect solution for rooftop applications where space is at a premium.

Pumpbox incorporates Armstrong's innovative 4300 range of vertical in-line pumps with split couplings which enable rapid seal changes without the need to remove motors and rotating assemblies, dramatically reducing downtime. The systems incorporate the unique IVS Sensorless inbuilt inverters or stand-alone inverters for variable speed duty/standby or parallel pumping. Pumps can be arranged for conventional primary/secondary systems or the less common variable primary configuration which brings lowest first cost and whole life cost.

Pumpbox is a complete solution which, as well as incorporating pumps and inverters, also includes suction guides and strainers, triple duty valves, interconnecting pipework, thermal insulation, internal lighting, frost protection, space heating, extract fan and control panel. Options include a dosing pot, fill unit and expansion vessel, vacuum degasser and BMS gateways.

Two control options are available. Pumpbox can be controlled via the BMS system or by an integral Armstrong IPS controller.

Pumpbox is available with a range of 4300 pumps from 80mm to 200mm bore with 2 pole or 4 pole motors up to 55kW and 60Hz frequencies.

► Armstrong Pumpbox Features and Benefits

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|-----------------------------------|---|
| ► Integrated solution | Ensures that all sub-systems and controls are matched and able to work seamlessly in harmony. |
| ► Compact footprint | Eliminates the need for dedicated walk-in plant rooms and allows distributed solutions close to point of use. |
| ► Easily accessible | Pumps can be routinely maintained through side doors or major replacement facilitated through the roof. |
| ► Rapid, trouble-free maintenance | Split couplings allow seals to be changed in minutes rather than hours and eliminate the need to remove motors and rotating assemblies. |
| ► Plug and play configuration | Facilitates rapid, trouble-free site installation, factory tested to work first time, every time. |
| ► Cost effective | Eliminates the need for expensive, seldom used, walk-in maintenance space. |
| ► A one-stop solution | Brings responsibility for pump selection and control under one roof. |



Our policy is one of continuous improvement and we reserve the right to alter our dimensions and specifications without notice

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