

ARMSTRONG

Series 6800



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VMSPak Booster Systems

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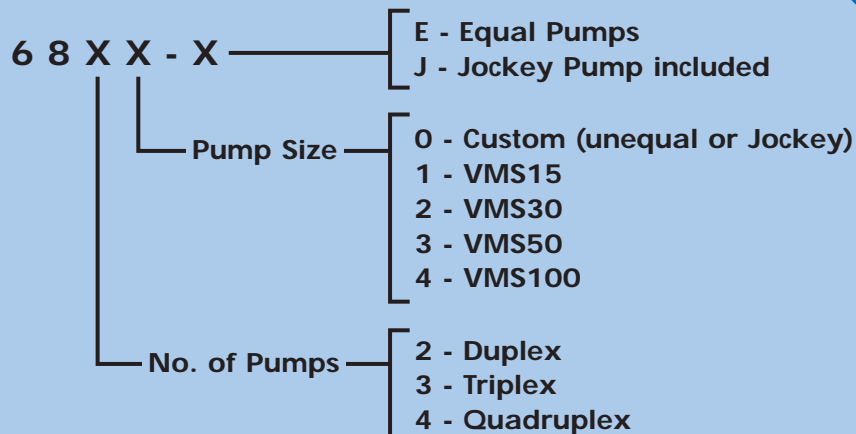
Features and Benefits

The new VMSPak Booster System is the latest addition to the Armstrong family of Pressure Booster Systems. Designed to provide a reliable supply of domestic water, the Armstrong VMSPak is compact, energy-efficient and easy to install. Contractors and Building Owners will appreciate the small footprint. Design Engineers will appreciate the versatility and range provided by the 12 available standard configurations. In addition to the small footprint and energy-efficient design, the Armstrong VMSPak includes the following important features:

- Stainless steel or copper construction, suitable for potable water applications
- Available with constant speed control or variable speed with microprocessor control
- ASME or BS4814 rated hydro-accumulator
- Compact "Knock-down" design
- Efficient multistage pumps
- Single-source responsibility for the complete packaged system
- Pumps and complete package manufactured to Armstrong's industry leading quality standards
- Available with flanged or threaded system connections
- Optional CSA, UL or CE rated controls
- Factory performance tested and certified



Model Selection



Performance Range

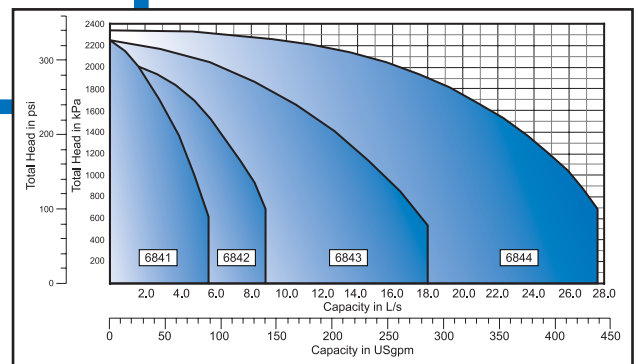
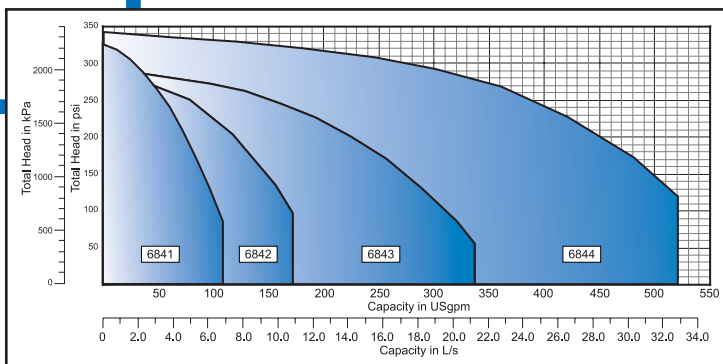
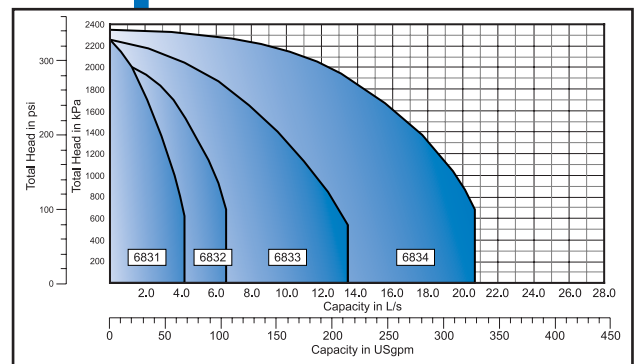
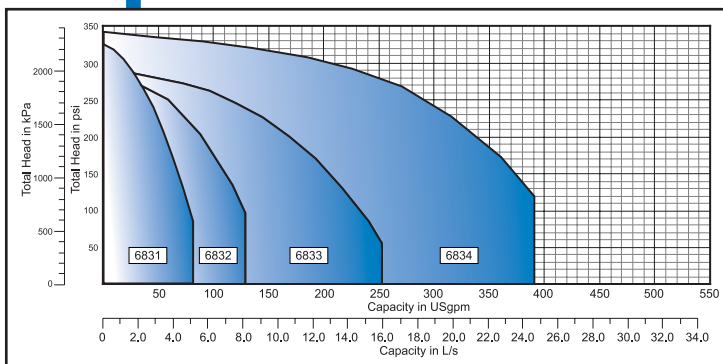
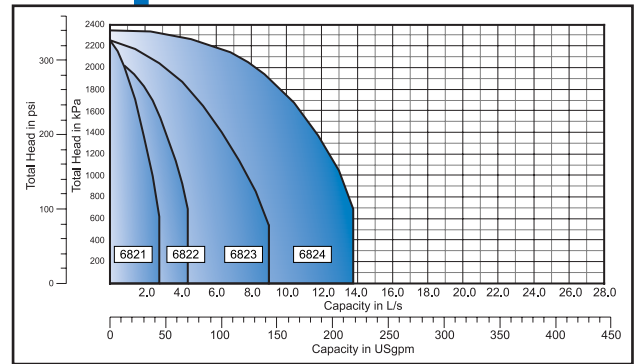
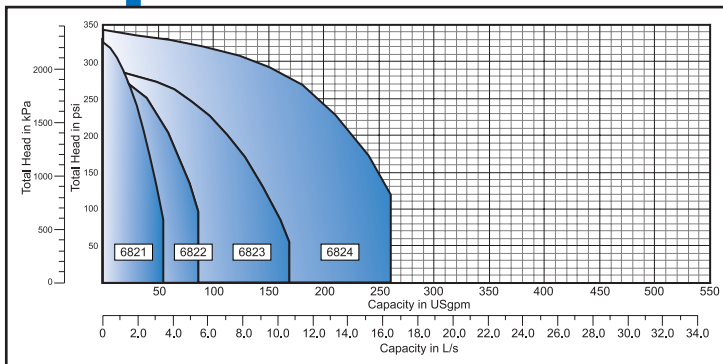
The Armstrong VMSPak is available in three standard arrangements with four different pumps sizes to cover a broad range of applications. When used with Armstrong's variable speed controller, the VMSPak provides energy-efficient, automated pumping and allows the user to adjust pressure and alarm settings with the touch of a button.

- Available in standard configurations with up to 4 pumps
- Available with jockey pumps or redundant (standby) pumps

Selection range charts for 2 to 4 pump systems with equal pumps

60 Hz Power

50 Hz Power



VMSPak Booster Systems

Typical Specifications

General

Furnish and install, as shown on the plans and specifications, an Armstrong Series 6800 Packaged Booster System designed for a total system capacity of _____ USgpm (L/s) with a total discharge head of _____ psi (kPa), including a minimum suction pressure of _____ psi (kPa).

Pumps

The pumps shall be Armstrong Series 4700 Vertical MultiStage, complete with stainless steel impellers, mechanical seal, PN16/PN25/125 psi/250 psi suction and discharge flanges. Pumps shall be mounted with squirrel cage induction motors suitable for operation with _____ Volt, 3 Phase, 50/60 Hz power supply.

Pumping Details

P1 Size: _____, Flow: _____ USgpm (L/s), at _____ feet of head (kPa) with _____ hp (kW), 2900/3560 rpm motor.

P2 Size: _____, Flow: _____ USgpm (L/s), at _____ feet of head (kPa) with _____ hp (kW), 2900/3560 rpm motor.

P3 Size: _____, Flow: _____ USgpm (L/s), at _____ feet of head (kPa) with _____ hp (kW), 2900/3560 rpm motor.

P4 Size: _____, Flow: _____ USgpm (L/s), at _____ feet of head (kPa) with _____ hp (kW), 2900/3560 rpm motor.

Assembly

All interconnecting piping shall be stainless steel or copper. Common suction and discharge stainless steel headers shall have threaded ends or flange adapters. The assembly shall be complete with stainless steel ball valves, check valves and pressure gauges. ASME/BS4814 hydro-accumulator shall be package mounted to allow shutdown during periods of no demand.

Control Panel

The control panel shall be of the pressure switch/microprocessor/variable speed type. The complete control panel assembly and all the internal devices shall be UL508, CSA or CE labelled. The panel shall be complete with IP54/NEMA 1 enclosure and include door interlocked main disconnect and magnetic motor starters with fused motor protectors, adjustable time delays, Hand-Off-Auto selector switch for each pump, power on light, minimum run timers, low suction pressure switch and pilot light. The control circuit shall include fault relay circuit to turn on the next pump should the lead pump fail.

Testing

The system shall be factory assembled, wired, performance tested, calibrated and shipped ready to receive piping and wiring. The entire package shall be UL listed and shall be manufactured at an ISO 9001 manufacturing facility.

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