

Energy-saving high-pressure pump package designed for multiple gun wash down systems

Common multiple wash down systems are sized to run at the full demand at all times with the unrequired water circulated until the demand is increased. The Wash-Saver system produces only the water flow that is actually required, eliminating the need to recirculate the flow. This results in significantly lower energy costs and water usage.

- Pump unit/s comprising of Pump, Motor, Base, Guard, Transmission, Sensors, and Valves.
- Single Variable Speed Drive Control Panel

Options:

- Multiple Pump Units
- Interconnecting Inlet and Discharge Pipe Work
- Header Tank/s
- Remote Access
- Accessories: Other Valves, Components or Sensors

Features:

- Instant response to changing gun demand reduces water use
- Low consumption idle mode
- Automatic start/stop function (sleep mode) saves energy costs
- Run dry and pipe leak detection for better maintenance
- Pre-configured control panel with adjustable parameters

Benefits:

- 24/7 high-pressure cleaning water availability
- Minimal water bypass
- Pump speed matched to demand resulting in energy reduction
- Positive displacement pump, with 85% mechanical efficiency reduces energy consumption
- Easy on-site servicing, reduces downtime



Wash-Saver Operation

Demand is managed by the Wash-Saver control panel, specifically designed to exactly match demand with supply. The Wash-Saver uses a feedback signal from a sensor to a variable speed drive (VSD) to control the pump speed. The pump, drive motor, accessories and VSD panel come fully assembled, tested and pre-configured at our UK facility to match customers' individual requirements.

We can also provide an optional pre-piped water header tank, and installation into existing centralised high-pressure pipe system is an uncomplicated procedure. The control panel can be readily incorporated into a factory automation system or linked into a local area network.



Range of pre-configured systems

- Typical application pressure range from 40 to 200 bar (higher pressures are also available if needed)
- Pumps can be banked up into multiple sets of 2 or more pumps in tandem
- Other sizes, performance and options available on request



Model	Gun Nozzle Size	Maximum No. of Guns In Use	Flow Per Gun L/min	Maximum Total Flow L/min	Motor Size kW	Motor Poles
2530	05	9	9.0	81	11	4
2530	06	7	10.8	75	11	4
2530	08	5	14.4	72	11	4
2530	10	4	18.1	72	11	4
2530	06	8	10.8	86	15	4
2530	08	6	14.4	86	15	4
2530	10	5	18.1	90	15	4
3535	06	10	10.8	108	15	6
3535	08	7	14.4	100	15	6
3535	10	6	18.1	108	15	6
3545	06	14	10.8	151	22	4
3545	08	11	14.4	158	22	4
3545	10	9	18.1	162	22	4
6760	10	11	18.1	200	30	6
6760	15	8	27	216	30	6
6760	20	6	36	216	30	6



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