



food



agriculture



transport



public sectors



industry



MPA HYDRA MULTI-PUMP SYSTEM

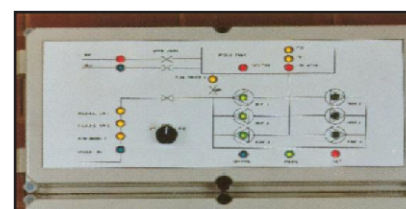
The new wash-down pump assembly is built using pump modules delivering 30 litres/min each.

The amount of pumps in the assembly will depend on the maximum demand for water. The outlet pump pressure sets the ring main pressure supplying the factory to a maximum of 70 bar. Lower pressures at the wash nozzles are possible using in-line restrictions at the connection points or satellites. If just one gun is in use during production time, only one pump will operate at any one time, but if the wash gun is shut for more than 20 seconds the next pump in the assembly will be used when washing re-commences. In this way the wear on all pumps is even. More pumps will automatically energise on demand.

The pumps can be used for hand wash guns or CIP nozzle assemblies if required. Foam and sanitiser satellites will operate using this system without the need for additional air supplies to create the foam. The system can pressurise hot water up to 80 °C.



Extensive development work has produced an efficient and reliable controller for M.P.A. not only does it control the system but it's mimic display shows clearly the M.P.A. in operation. The integral watch-dog program constantly monitors the system and the diagnostic display indicates any faults, where possible overriding sensors, if they fail, by entering emergency run mode. If automatic running is not possible then manual run mode can be selected to ensure a continuous cleaning operation.



	MPA 2 HYDRA NE	MPA 3 HYDRA E2	MPA 4 HYDRA E2	MPA 5 HYDRA E2	MPA 6 HYDRA E6
Code	3600	3601	3602	3603	3604
Cleaning Power (Kw)	7.0	10.5	14.0	17.5	17.5
Pump Pressure (bar/psi)	70/1029	70/1029	70/1029	150/2205	150/2205
Water Flow (Ltr/Min)	60	90	120	150	180
Max Inlet Temp °C	80	80	80	80	80
Power Rating (Vhz)	415/50	415/50	415/50	415/50	415/50
Operators	2 to 4	3 to 6	4 to 8	5 to 10	6 to 12