

MPA Hydra Multi-Pump Cleaning System

Multi-pressure wash-down system



- Low, medium or high pressure cleaning
- Long life pumps
- Energy efficient multi-pump concept
- Stainless steel water break tank
- Max inlet hot water up to 80 deg C
- Stainless steel frames & polished covers
- State of the art PLC control system
- Expandable for future cleaning requirements
- Anti vibration motor mounts
- System hour run meter
- Burst pipe protection
- Over-temp protection
- Low water protection
- Motor overload protection
- Automatic or manual operation
- Installation and pipework service available

The B&G Multi-Pressure Automatic (MPA) wash-down system is built using pump modules delivering either 23 or 28 litres/min each. The number of pumps in the system will depend on the maximum number of wash guns in operation at the same time. The system pressure is usually set at 70 to 130 bar. Lower pressures at the wash guns are possible using VARI-Pressure lances.

How the Multi Pump Operates

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 10 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 system is controlled by a state of the art programmable logic controller. The MPA 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 work up to 80°C.

Multi-pump wash down systems can also be built to specific customer requirements – e.g. to support CIP systems.

Technical data: MPA Hydra Multi-Pump Cleaning System

MPA Hydra (Low to Medium Pressure Cleaning – High Flow)

Features:	MPA 2 Hydra NE Hydra NE Eco	MPA 3 Hydra E3	MPA 4 Hydra E3	MPA 5 Hydra E3	MPA 6 Hydra E3
Pumps (qty)	2	3	4	5	6
System Pressure Max. (bar/psi)	70/1029	70/1029	70/1029	70/1029	70/1029
Water Flow (ltr/min)	56	84	112	140	158
Max Inlet Temp (°C)	80	80	80	80	80
Power Rating (vHz/kw)	415/50/11	415/50/16.5	415/50/22	415/50/27.5	415/50/33
No. of operators	2 to 4	3 to 6	4 to 8	5 to 10	*6 to 12

MPA Standard (Medium to High Pressure Cleaning)

Features:	MPA 2 E3 MPA 2 NE MPA2 NE Eco	MPA 3 E3	MPA 4 E3	MPA 5 E3	MPA 6 E3
Pumps (qty)	2	3	4	5	6
System Pressure Max. (bar/psi)	130/1911	130/1911	130/1911	130/1911	130/1911
Water Flow (ltr/min)	46	69	92	115	138
Max Inlet Temp (°C)	80	80	80	80	80
Power Rating (vHz/kw)	415/50/11	415/50/16.5	415/50/22	415/50/27.5	415/50/33
No. of operators	2 to 4	3 to 6	4 to 8	5 to 10	*6 to 12

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