

Water Package

for use with Magnetic Analysis Test Systems



Application

The Water Package is designed to provide clean and tempered water to MAC ultrasonic inspection systems. The system is modular by design, and easy to adapt to each customer's needs. In addition, its closed loop system makes it user-friendly, and maintenance is straightforward. Depending on your specific requirements, a custom system can be designed with different capacity pumps, filters and water cooling chillers.

Description

The Water Package includes a filtering unit, cooling system, water reservoir and delivery and return pumps. It also has one (1) feed pump that supplies clean water to the ultrasonic test equipment. All pumps are frequency controlled, which allows for greater control of the operation. The entire system is PLC controlled and housed in a cabinet.

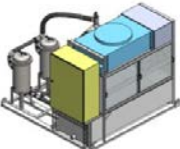


The used water from the test station is led to a reservoir placed away from the water package frame itself. The remote reservoir is connected to a suction pump that pumps the water through the filter, which removes particles and contamination from the water. The water is then led to the cooling unit reservoir, where it is cooled from the chiller via a coil, which is placed inside the water reservoir. The temperature may be adjusted in the chiller's controller cabinet.

Installation Requirements

Power 25 Amperes, 400 VAC (460 VAC U.S.A) 60Hz

Environment
Temperature Range 10°C to 40°C

Water Package Specifications

Water Package	Base with Water Tank	Chiller Size	Pressure pump	Recovery pump	Filter Holder	PLC	For Use With
 200-1100	750 L water tank W2,22 x D2,14 x H1,94	Chiller to fit UT-500	1200l/min	378l/min	1 or 2 Holders Available	Siemens or Allen Bradley	UT-500
 200-3800	600 L water tank W1,75 x D1,85 x H2,25	8kW, 12kW or 16kW Available	1 of 3 Available 0,6bar 400l/min - 1,1bar 100l/min (8,7psi 105gpm - 16psi 26,4gpm) 1,2bar 700l/min - 2,7bar 100l/min (17,4psi 184,9gpm - 39,2psi 26,4gpm) 3,5bar 450l/min - 4,7bar 50l/min (50,8psi 118,8gpm - 68,2psi 13,2gpm)	1 of 3 Available 0,6bar 400l/min - 1,1bar 100l/min (8,7psi 105gpm - 16psi 26,4gpm) 1,2bar 700l/min - 2,7bar 100l/min (17,4psi 184,9gpm - 39,2psi 26,4gpm) 3,5bar 450l/min - 4,7bar 50l/min (50,8psi 118,8gpm - 68,2psi 13,2gpm)	1 or 2 Holders Available	Siemens or Allen Bradley	UT-50 UT-100 UT-125 UT-180 UT-220 UT-360
 200-320r	400 L water tank W1,11 x D0,78 x H2,02	4kW or 6kW Available	3,7bar 50l/min (53,7psi 13,2gpm)	2,2 bar 78l/min (31,9psi 20,6gpm)	2 Holders	Siemens or Allen Bradley	UT-25

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Water Packages 05/2022