

Colfax to exhibit large seawater pump and turnkey control system at SMM

(Radolfzell – 7/18/2016) Colfax Fluid Handling will exhibit two advanced developments for Marine applications at SMM in Hamburg (Hall A2, Booth 219). These are the MI-D centrifugal pump with a capacity of up to 3.900 m³/h and delivery head of up to 50 m and the turnkey version of the CM-1000 electronic pump controller for use in control cabinets. The MI-D pumps seawater and fresh water for cooling and ballast systems. The CM-1000 for cooling water pumps can be pre-installed in new ships or installed while underway and brought into service without downtime.

The six new sizes of the "Allmarine MI-D" series cover the needs of ships ranging from about 60' dw t to more than 200' dw t. Ship owners receive numerous benefits from the patented characteristics of the double-suction, symmetrical design with just one shaft seal, no internal bearings, and corrosion resistant materials. "The MI-D is probably the lightest and smallest water pump for large flow rates yet it also has an outstanding service life and extraordinary efficiency in Marine applications," according to Christian Martin, Director of Product Management. Efficiency is greater than 80 percent and the pumps are maintenance free between service intervals. Their NPSH values of below 4 m make these pumps ideal for ballast systems. Four-pole motors reduce space needs and procurement costs compared to six-pole motors.

CM-1000 controls the flow of cooling seawater pumps according to the temperature of the fresh water and current cooling requirements, thereby saving considerable amounts of electricity. Condition monitoring keeps track of leaks, vibrations, and bearing temperature, so downtime is reduced. The new turnkey version provides the full electronics as a "cabinet solution", including frequency converters. These modules need only to be wired into the ship. When the ship is at a standstill or slow steaming in a cold environment, CM-1000 now shuts down the pumps completely ("All-off") and switches them back on automatically as required, which also greatly reduces energy consumption. Finally, "Cooler Clogging Supervision" monitors cooler status and supports the crew during planning and servicing of the cooling system.

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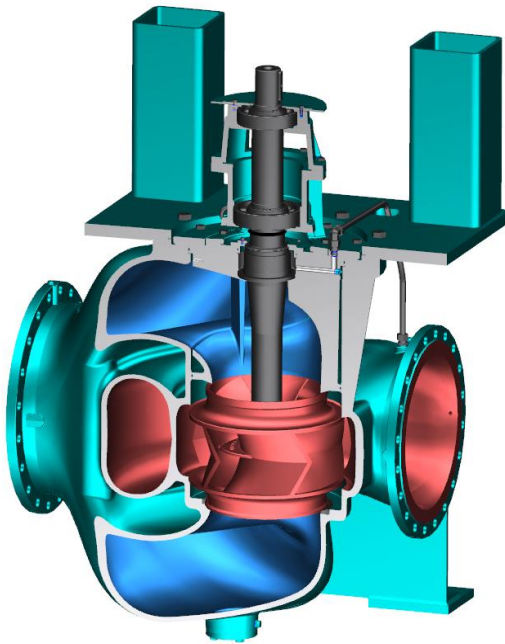


Image caption:

Despite its low weight and small space requirements, the ALLMARINE MI-D, with its double-suction design, achieves capacities of up to 3.900 m³/h and delivery heads of up to 50 m, making it ideal for ballast and cooling water systems on large ships and offshore applications.

Plant photo: Allweiler GmbH

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