Reliable Water & Wastewater Transfer Technology

Blackmer®'s System One® centrifugal pumps are designed for high-volume, severe-duty applications, making them ideal for critical applications in the water and wastewater industries. According to the company, the pumps are:

- Designed around the seal — where 90 percent of pump failures occur — so they have a stiffer heavy-duty shaft and larger bearings, resulting in the widest operational window off the Best Efficiency Point (BEP) than any standard process pump.
- Available on four frame variations, with multiple size configurations for nearly any water and wastewater transfer application; each frame type offers the lowest L^3/D^4 stiffness ratio of any competitive size pump.
- Available in the Frame S, a heavy-duty alternative to standard small frame pumps, delivering capacities to 102 m^3/hr (450 gpm) while meeting ASME/ANSI dimensional specifications; the Frame A and LD17, which have the most stable shaft for their size in the industry, dramatically reducing bearing, mechanical seal, and shaft failures while reaching capacities of 320 m^3/hr (1,400 gpm); and the Frame M, the only ASME/ANSI B73.1 pump of its size that offers an available centerline mount for high-temperature applications and also includes an optional left/right side discharge and vertical mount configuration.

- Accompanied by another pump version in addition to the frame variations: The Vortex pump version, which can handle entrained solids without clogging, is available in the LD17 configuration, and has capacities to 340 m3/hr (1,500 gpm).

www.blackmer.com [1]

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