

WORTHLINE®



ASME / ANSI B 73.1M 8196 SERIES

Chemical Process Centrifugal Pump Series
Business Engineering BROCHURE

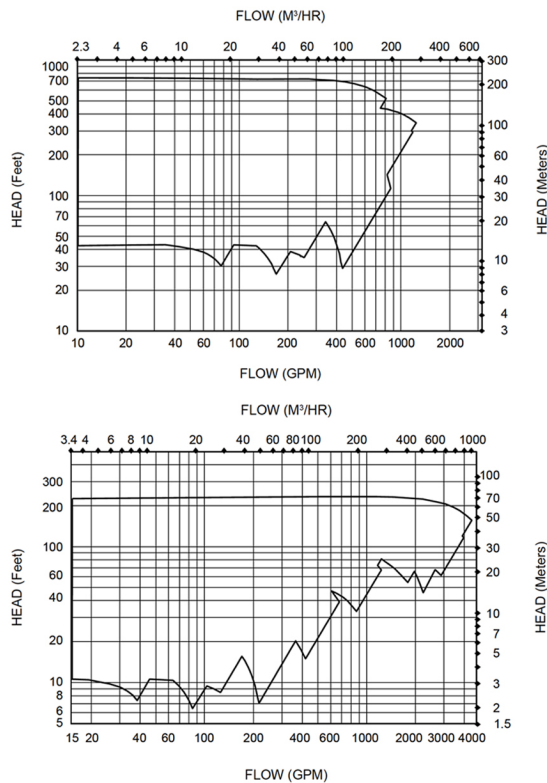
DELIVERING EFFICIENT PUMPING SOLUTIONS



DESIGN FEATURES

Centrifugal, horizontal end suction, single stage pump with radially split, centerline discharge casing, hosting either open or closed impellers for the highest hydraulic performance flexibility; in accordance with ASME/ANSI B73.1M standard.

Ample materials of construction selection, including Ductile Iron, 316SS, CD4MCu, and Alloy 20 as standard, or other materials as required by the application.



CONFIGURED TO ALLOW MAXIMUM INTERCHANGEABILITY OF PARTS WITHOUT LIMITING PUMP PERFORMANCE.

The pump operates smoothly throughout the entire design operating flow range with low vibration levels. Acceptable vibration limits as specified in Hydraulic Institute Standards for Centrifugal Pumps.

Designed for continuous heavy-duty operation, with casing feet mounting design to prevent misalignment of the pump main components at elevated temperatures. Casing suction and discharge nozzles may have FF, RF, 150 lb. or 300 lb. as required by the application, and drilled and tapped with 1/8" NPT connections for pressure gauges and/or auxiliary piping.



INDUSTRY STANDARD FOR
PERFORMANCE AND RELIABILITY

8196

BACKPULL-OUT FEATURE

The pump permits the removal of the entire bearing frame assembly, including shaft, mechanical seal or packing chamber, and impeller, without disturbing the pump discharge and suction piping and without disturbing the motor.

A spacer type coupling shall be furnished to allow removal of the power end without disturbing the motor.

IMPELLER CLEARANCE ADJUSTMENT

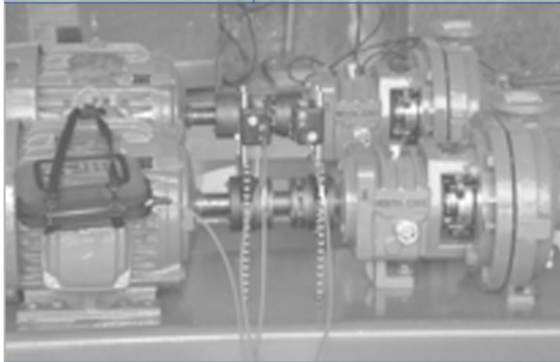
The thrust-bearing end of the bearing frame is capable of precision impeller adjustments. This permit impeller clearance settings or re-adjustments without the need to remove the bearing frame from the volute section and without requiring shims, dial indicators, feeler gauges or disassembly.

MECHANICAL SEAL CHAMBER

The pump incorporates a large bore seal chamber, resulting in improved cooling, cleaning, lubricating and circulation to prolong the life of the mechanical seal. The chamber has an optional tangential flush connection on the side to flush the mechanical seal, and provide maximum cleaning capability.

ENVELOPE

CAPACITIES	7000 GPM (1590 M3/HR)
HEADS	730 FT (223 M)
PRESSURES	375 PSIG (26 BAR)
TEMPERATURES	700° F (371° C)



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