

HORIZONTAL CENTRIFUGAL PUMP FOR CLEAR, COLD WATER PART 2 GENERAL PURPOSE (OTHER THAN AGRICULTURAL AND RURAL WATER SUPPLY) — SPECIFICATION

When buying new centrifugal pump for your general-purpose applications excluding agricultural and rural water supply, performance efficiency, power consumption, durability, reliability, customization as per requirements, ease of maintenance, are key concerns. It's also crucial to select the correct pump specification as per your particular use.

Indian Standard IS 6595 (Part 2): 2024, developed by the Bureau of Indian Standards (BIS), outlines the general and performance requirements for horizontal centrifugal pumps for handling clear, cold water for general purpose (other than agricultural and rural water supply).

This standard ensures horizontal centrifugal pumps have standardized construction and workmanship and can perform within limits on declared suction capabilities, total suction lift and efficiency, without failure. Important Tests like performance at the nominal discharge and nominal head, tolerance on discharge, head and efficiency, power consumption by the pump at its rated speed, vibrations of the pump, correction in parameter in respect of changes in altitude, water temperature and barometric pressure ensure that pump can perform as per declared parameters. This dramatically reduces failures in performance issues general faced during the lifetime of pump.

Horizontal centrifugal pumps for handling clear, cold water for general purpose (other than agricultural and rural water supply) markings provide crucial information for selecting the right pump. Some critical information shall be marked on the pump such as Manufacturer's name/trade-mark; Model, size of suction and delivery pipe nominal diameter in mm and serial number of pump; Rated speed; Nominal head, nominal discharge, and pump efficiency; Head range; Discharge range; and prime-mover rating.

In summary, IS 6595 (Part 2): 2024 is your assurance that the horizontal centrifugal pumps you buy are reliable, durable, and of high quality. Next time you purchase horizontal centrifugal pumps, look for the BIS mark to ensure they meet these standards.