



Centrifugal Pumps and Standards

Centrifugal pumps design and dimensions standards

Sponsored Links

Standards of design and dimensional specifications are necessary to bring unity to centrifugal pumps. Standards are provided by organizations like

- [ISO](#) - International Standards Organizations
- [API](#) - American International Institute
- [ANSI](#) - American National Standards Institute
- [DIN](#) - Deutsches Institut für Normung
- [NFA](#) - National Fire Protection Agency
- [BSI](#) - British Standards Institute

Some commonly used centrifugal pumps standards

- [ANSI/API 610-1995](#) - Centrifugal Pumps for General Refinery Service - Covers the minimum requirements for centrifugal pumps, including pumps running in reverse as hydraulic power recovery turbines, for use in petroleum, heavy duty chemicals, and gas industry services. The pump types covered by this standard can be broadly classified as overhung, between bearings, and vertically suspended.
- [DIN EN ISO 5199](#) - Technical specifications for centrifugal pumps
- [ASME B73.1-2001](#) - Specification for Horizontal End Suction Centrifugal Pumps for Chemical Process - This standard covers centrifugal pumps of horizontal, end suction single stage, centerline discharge design. This Standard includes dimensional interchangeability requirements and certain design features to facilitate installation and maintenance. It is the intent of this Standard that pumps of the same standard dimension designation from all sources of supply shall be interchangeable with respect to mounting dimensions, size and location of suction and discharge nozzles, input shafts, baseplates, and foundation bolt holes
- [ASME B73.2-2003](#) - Specifications for Vertical In-Line Centrifugal Pumps for Chemical Process
- [BS 5257:1975](#) - Specification for horizontal end-suction centrifugal pumps (16 bar) - Principal dimensions and nominal duty point. Dimensions for seal cavities and base plate installations.