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Pump terminology with images. ANSI B73.1: this is a standard that applies to the construction of end-suction pumps. It is the intent of this standard that pumps of all sources of supply shall be dimensionally interchangeable with respect to mounting dimensions, size and location of suction and discharge nozzles, input shafts, baseplates, and foundation bolts.

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Cavitation is the formation of vapour cavities in a liquid, small liquid-free zones ("bubbles" or "voids"), that are the consequence of forces acting upon the liquid. It usually occurs when a liquid is subjected to rapid changes of pressure that cause the formation of cavities in the liquid where the pressure is relatively low. When subjected to higher pressure, the voids implode and can ...

### **Cavitation - Wikipedia**

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THE FUNDAMENTALS 5 ALPHA ALPHA unavoidable phenomena like vibrations, misalignment and shaft run-out and for this reason it's called "dynamic" (Fig.6) It follows that such parameters as working length, gasket compatibility with the process fluid, dimension and finishing of the shaft have to be carefully considered for good application of a mechanical seal.

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### **Fluid dynamics - Wikipedia**

A First Course in Hydraulics John Fenton References Batchelor, G. K. (1967), An Introduction to Fluid Dynamics, Cambridge. Colebrook, C. F. (1939), Turbulent flow in pipes with particular reference to the transition region between the

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