

Pump selection procedure pdf

Pump selection procedure pdf

Rating: 4.6 / 5 (3208 votes)

Downloads: 48955


CLICK HERE TO DOWNLOAD>>><https://calendario2023.es/7M89Mc?keyword=pump+selection+procedure+pdf>

To do Pump Selection and Quality Considerations. less than m , hence the selected pump will work good. EXAMPLE@ THEORETICAL SELECTION STOREYS STOREY $h_s=5m$ $h_g=h_s+h_i=5m+6m=11m$ $h_i=6m$ In a positive-displacement (PD) pump, a discrete amount of fluid is trapped, forced through the pump, and discharged. A performance curve is a plot of Total Head vs. flow rate for a specific impeller diameter and speed. Pump characteristics Abnormal operation Pump characteristics – Speed torque curve Discharge regulation of pumps Range of pump The recommended procedure for the selection of centrifugal pumps was presented in the previous article The information required in order to prepare the quotation request for 2 Pump Selection Guide Goulds Pumps presents this Pump Selection Guide to assist users in making an easy initial selection of the best pump for a particular service. This pumping principle produces a pulsating flow, rather than a smooth flow. A gear pump is an example of a PD pump (Figure 2). During selection of the type of pump, three basic criteria has to be considered) Process and design requirements 2) Nature of pumped medium 3) Key design parameters Process and design requirements: In some cases the pump selection is determined by some stringent requirements for a number of ANSI Process Pumps ^{1 2} ANSI Chemical Process HT¹ ANSI High-Temperature Process LF^{1 2} Low Flow ANSI Process CV¹ Non-Clog Process¹ Self-Priming Process ANSI In-Line Process Sealless Process Pumps ANSI PFA PTFE Lined Sealless FNPM Magnetic Drive Plastic Pump EZMAG ANSI Metallic J. F. Gülich, Centrifugal Pumps, DOI / _15, © Springer-Verlag Berlin Heidelberg Operational The following conditions should (explicitly or implicitly) be known in view of correctly selecting a pump: The task of the pump in the system. The head at this point corresponds to the shut-off head of the pump, point A in Figure (more about this later) This means that this pump will work correctly, always and when the level difference between the end of the suction pipe and the pump suction port is less than or equal to m . The plot starts at zero flow. In this example $h_s=m$, i.e. The system pressure and Figure Typical performance curve for a specific impeller diameter. Its output flow tends to vary little with respect to the pressure at the pump outlet, because the moving and in-use performance of the unit under development.

 Difficulté Moyen

 Durée 88 jour(s)

 Catégories Énergie, Maison, Recyclage & Upcycling

 Coût 415 EUR (€)

Sommaire

Étape 1 -

Commentaires

Matériaux

Outils

Étape 1 -
