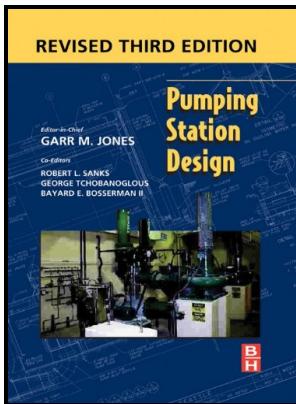


Pumping - a guide to the practical design of installations.

Electricity Council - The Practical Pumping Handbook



Description: -

-Pumping - a guide to the practical design of installations.

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Farnel electric handbooks -- 11Pumping - a guide to the practical design of installations.

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Practical Introduction to Pumping Technology

The pump suction line for side suction pumps shall have a minimum straight run of three pipe diameters for non-API pumps or five pipe diameters for API pumps between the suction flange and the first elbow, tee, valve, reducer and permanent strainer. No electricity is required, nor is service required for the mechanical components. Select the print option if you would like to make a PDF of the pump and print the relevant data you need, such as sizing results, curve, duty points, installation and pump dimensions.

Pump Repair & Pump Maintenance Training

Per NFPA 20 2010 : Standard for the Installation of Stationary Pumps for Fire Protection, fire pumps are allowed to have a 40 percent rise in pressure from rated flow to churn.

Fire Pump Sizing and Selection

See Figure 1 for examples of horizontal, vertical in-line and vertical can type centrifugal pumps. Reciprocating pumps may have a direct steam piston driver. Here is a convenient, concise reference book for pump users, application engineers, technicians, and buyers. The suction line valve shall be installed with the stem in the horizontal.

The Practical Pumping Handbook

If block valves are used, a pressure relief valve must be installed between the pump discharge and the block valve. A typical design would be to use a combination controller and transfer switch in a cabinet to avoid the need for additional requirements laid out in NFPA 20. Thus, if the water supply is located below the suction inlet to the fire pump, you may have to utilize a vertical turbine fire pump in lieu of the other types of pumps available.

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