



# CHOOSING AN IDEAL METERING PUMP FOR CHEMICAL INJECTION APPLICATION

Along with its significant applications in water treatment, metering pumps are a popular option for chemical injection in agricultural and other applications.

## 4 Important Factors to Consider When Choosing Metering Pumps

### FLOW RATE

The flow rate of the metering pump should be around 85% of the pump's capacity and it should not be oversized.



### MATERIALS OF CONSTRUCTION

Metering pump suppliers usually display a huge collection of pumps. So, check for a material that's most compatible with chemicals.

### CHEMICAL MAKEUP

The viscosity differs for different chemicals. Investing in a pump that can handle chemicals with viscosity ranging from 1,500 centipoises to 5000 cPs or more, is ideal.



### ENVIRONMENT

Deciding whether a metering pump is to be used indoors or outdoors is important as the environment plays a vital role in the pump's operation.

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# Metering Pump Application Guide

**Bela G. Liptak, Kriszta Venczel**

## **Metering Pump Application Guide:**

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Kenneth J. McNaughton, 1984 **Water & Sewage Works**, 1978 Vols 76 include Reference and data section for 1929 1929 called Water works and sewerage data section

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Forsthoffer, 2005-12-16 Over recent years there have been substantial changes in those industries which are concerned with the design purchase and use of special purpose ie critical high revenue rotating equipment. Key personnel have been the victims of early retirement or have moved to other industries contractors and end users have reduced their technical staff and consequently have to learn complex material from scratch. As a result many companies are finding that they are devoting unnecessary man hours to the discovery and explanation of basic principles and having to explain these to clients who should already be aware of them. In addition the lack of understanding by contractors and users of equipment characteristics and operating systems often results in a wrong fit and a costly reliability problem. Forsthoffer's Rotating Equipment Handbooks Pumps presents the operation of pumps in a process system using the concept of pump required and produced head pump selection for cost effective maximum reliability eliminating hydraulic disturbances in the design and field operation phases control and protection practical component monitoring of performance bearing seal and auxiliary system condition to assure

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