VERSA PUMP®

DOSING PUMP

HOW TO SELECT A DOSING PUMP ?

STEP 01

Flow Rate/Discharge Pressure:
Dosing pumps should never be oversized. A dosing pump should be sized so that the maximum expected flow rate is 85% to 90% of the pump's capacity, which will leave room for addition - al capacity, if needed. The minimum capacity should never be less than 10% of the pump capacity to maintain accurac y. And the pump rated pressure shall be higher than the operating pressure.

STEP 02

Materials of Construction:
Dosing pumps are available in a variety of materials, most commonly PVC, PVDF and SS316L. When selecting a dosing pump's materials of construction, the corrosion, erosion and solvent action of the chemical must be taken into consideration. The effects of erosion must also be considered when the chemical takes the form of an abrasive slu rry.

STEP 03

Dimension & Connections:
Knowing the dimension is crucial. Other than installation, user should allow enough space for maintenance and services. Connection fittings must be installed at the pump's suction and discharge ports in order to more easily facilitate maintenance procedures. Generally, hose compression fittings, unions, flanges are commonly used for chemical dosing pumps.

STEP 04

Method of Control:
The operator must know how the pump will be used, either manual continuous operation, on/off operation of operation that is governed by a process signal. WRS dosing pumps allow user to select either full manual control on the pump or control remotely . For MA/MB series, additional actuator or variable speed motor is compatible.

Pump
Assembly

Pump
Inspection

Testing Bay

Packing &
Storage

VERSA® PUMP