

23 21 23 HVAC Pumps

Modify subsection .03, A.5 in Section 23 21 23 per the following (deletions are shown struck through and additions are double underlined). Remainder of section is unchanged.

.03 Execution

A. Installation and Start-up/Commissioning

5. Provide low pressure drop, flow-measuring station (venturi flowmeter per 23 05 19 Measuring Instruments for HVAC, ~~orifice plate~~) located in the pump discharge. Allow adequate length of straight pipe between the pump discharge and the flow station for measurement accuracy. Install flow measuring devices in strict accordance with manufacturer requirements to ensure proper performance.

END of revision

Update Commentary:

Section was updated primarily for the following reasons:

- 1) To delete reference to orifice plate due to relatively inefficiency (higher pressure loss) vs. venturi flow meter.