



**SMITH
PUMP
COMPANY, INC.**

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AVAILABLE TRAINING

**22 April 2004
Revision: 1**

----- Course Name -----

---- Time Reqd ----

• Hydromatic Pump Operation & Maintenance (teardown)

4 hrs



- For entry and mid level pump operation and maintenance personnel for wastewater pumps.
- Classroom training consists of slides and videos about the Hydromatic self primer, submersible non-clog, and submersible grinder pump.
- Lab work includes supervised teardown and reassembly of a Hydromatic self primer, submersible non-clog, and submersible grinder pump.

- Optimum class size ... ten

• Control Panel 101 (control schematics and wiring)

8 hrs



- For mid and senior level lift station personnel that need to troubleshoot lift station controls.
- Classroom training consists of slides of a simplex single phase float switch operated grinder pump panel including layout drawings and wiring schematics.
- Lab work consists of panel component assembly, wiring, and testing, one for each student.

- Optimum class size ... twelve

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(512) 310-1480
(210) 656-0530

FAX (817) 595-4900
FAX (512) 310-1417
FAX (210) 656-2372

- **Aurora Pump Operation & Maintenance (teardown)**

4 hrs



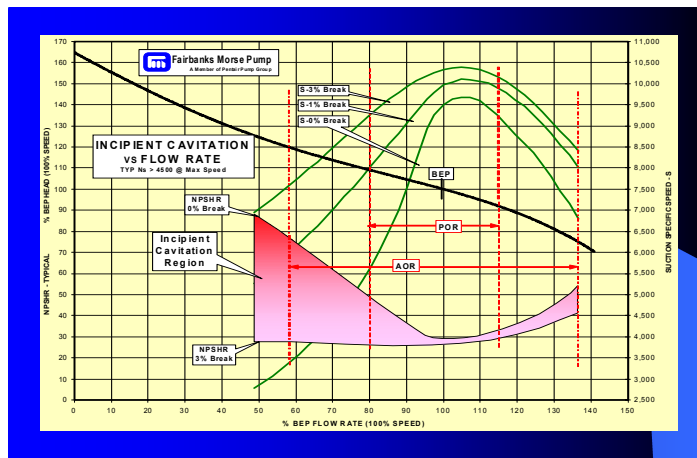
- For entry and mid level pump operation and maintenance personnel for water and wastewater pumps.
- Classroom training consists of slides and videos about the Aurora vertical non-clog dry pit, horizontal split case, and end suction pump.
- Lab work includes supervised teardown and reassembly of an Aurora vertical non-clog dry pit, horizontal split case, and end suction pump.

- Optimum class size ... ten

- **Advanced Centrifugal Pump Hydraulics**

4 hrs

- For engineers interested in the latest parameters for acceptable pump application.



- MS Powerpoint program on...
 - Pump performance curves and characteristics
 - Motor performance characteristics
 - System Head curves
 - Pump Specific Speed, Suction Specific Speed
 - Pump Suction Energy
 - Preferred Operating Range
 - Allowable Operating Range
 - NPSH Margin
- Typical application examples w/ selection of the best pump