Thursday, April 27, 2006

Self- Priming Pumps (SPE-2006-9)

Sal Aridi reported that Standard 50 needed to be revised to allow manufacturers to set their own vertical lift claims for self-priming pumps instead of limiting it to 10ft. He stated that with the popularity of water features on pools, there is a need for pumps that are not part of the sanitation circuit of the pool. They are usually low head high flow pumps that have a vertical lift under 10 ft. He believed that manufacturers should be allowed to claim self-priming if their publish their vertical lift.

He suggested the following standard revisions:

C.3.4  Self-priming capability test method

a) Pump shall be installed and operated according to the manufacturer's instructions, except that suction line shall be essentially as shown in annex C, figure C1. The vertical lift is set by the manufacturer with a minimum of 5 ft.

Figure C1

D = Nominal diameter of the riser pipe

\[ VL = 1.5 \text{m} (5 \text{ ft}) \quad 3.05 \text{m} (10 \text{ ft}) \text{ suction lift (corrected for standard temperature 20 \degree \text{C} (68 \degree \text{F}) and pressure (101 kPa [14.7 psia]), with water density of 1000 kg/m}^3 (62.4 \text{ lbs/ft}^3), including losses due to friction. \]

Motion: Tommy Wood motioned to accept the proposed wording. Rich Martin seconded.

Discussion: None.

Vote: 1 opposed- Bob Pryor.

Motion passed. Language to be balloted.