Easily Accessible Pump Standards

The Hydraulic Institute [1] (HI) recently released ANSI/HI Pump Standards Version 2.1 on CD-ROM. The comprehensive CD-ROM is comprised of the complete set of 28 ANSI/HI standards, five of which have been extensively updated since the release of Version 2.0 in 2005.

The CD-ROM additionally includes the first edition of the Controlled Volume Metering Pumps for Nomenclature, Definitions Application and Operation (ANSI/HI 7.1-7.5) — a collaborative effort between American Lewa Inc., Grundfos Pump Corp., Iwaki America Inc., McFarland-Tritan LLC, Milton Roy Americas, Siemens US Filter/Wallace & Tiernan and HI.

This new standard is for reciprocating positive-displacement pumps that are typically used for the injection of chemical additives, proportional blending of multiple components or metered transfer of a single liquid. These types of metering pumps are used in applications that require high accuracy and repeatability, as well as an adjustable rate of flow. Controlled-volume metering pumps are characterized by their ability to meet specific performance requirements regarding steady state accuracy, repeatability and linearity. Thus topics in this standard include the types and nomenclature pertinent to controlled-volume metering pumps, an explanation of the definitions used in describing the performance and characteristics of these pumps, a discussion of how these pumps are selected and where they are applied, and a section on their proper installation, operation and maintenance to ensure trouble-free operation.

Updated standards in Version 2.1 include:

- ANSI/HI 1.3 Rotodynamic (Centrifugal) Design and Application - 2009.
- ANSI/HI 2.1 - 2.2 Rotodynamic (Vertical) Nomenclature - 2008.
- ANSI/HI 2.3 Rotodynamic (Vertical) Design and Application - 2008.
- ANSI/HI 2.4 Rotodynamic (Vertical) Installation, Operation, & Maintenance - 2008.
- ANSI/HI 3.1-3.5 Rotary Pump Standard - 2008.

The comprehensive master index of ANSI/HI Pump Standards Version 2.1 leads users to their desired standard, where they can find invaluable navigation links that make it easy to locate specific information quickly.

“Now with nearly 1,600 pages of content and 28 standards in a single-user CD-ROM format, this product is a must-have for anyone involved with pumps or pumping systems," remarks Gregg Romanyshyn, HI technical director. “Purchasing the standards available on CD-ROM is the easiest, most cost-efficient way for users to own and maintain the complete set of pump standards.”

The ANSI/HI Pump Standards CD-ROM is a single-user license, and is not for use in a shared network or intranet environment. Moreover, HI members are entitled to a 25 percent discount on the new CD-ROM.

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Biological Warfare: The battle for efficient ethanol production has moved to the microbe level. [2]

Editorial: Stimulus I can Believe In [3]

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