

Minimum Efficiency Index (MEI) Committee

PURPOSE:

The purpose of this standard is to define the methodology used to create a Minimum Efficiency Index (MEI) for pump wet-ends only, define the data required to develop and the procedure to calculate the MEI, and outline the requirements for evaluating the MEI. This standard will include definitions, development, testing verification and labeling of the pump. Pumps meeting the MEI would ultimately be able for inclusion in Extended Product evaluations and utility energy efficiency programs.

SCOPE:

The Hydraulic Institute advocates pump systems efficiency optimization. Therefore, the scope of this work is to produce a Hydraulic Institute Standard to cover a Minimum Efficiency Index for energy efficient operation of pumps.

The standard will utilize rotodynamic pump(s). The pumps can be installed in various configurations, and may have limitations on pump type, size, flow, head, power, speed, temperature and application depending on regulatory criteria.

This standard is to define the methodology and process of developing the MEI. Specific limitations pertaining to the pumps included in the MEI evaluation, or minimum efficiency threshold values are not contained in this standard. Reference current regulations for that information.