

ISO 13709 2nd edition (API 610 11th)

6. 1 (P.1) Scope was made clearer. Revised content;

The pump that applies API 610 becomes a high cost to which it takes time though it is high reliability. Then, the standard shows when this standard was applied. This was newly added. There are two added items. As the followings, one is the pump specification and the other is against ISO standard.

1 . Pump specification

Relevant industry operating experience suggests pumps produced are cost effective when pumping liquids at conditions exceeding any one of the following:

- (1) Discharge press. 19 bar
- (2) Suction press. 5 bar
- (3) Pumping temp. 150
- (4) Rotative speed 3600 min⁻¹
- (5) Rated total head 120 m
- (6) Impeller diameter, overhung pumps 330 mm

The cost is when saying oppositely even if API 610 is applied when the above-mentioned six conditions are below a regulated value all and there is neither rising (the price rises) nor much advantage. However, I think that it is safe to apply API 610 for low temperature pumps.

2 . Balance with ISO standard

API 610 is applied in petroleum, petrochemical and gas industry process services. For heavy duty pumps in industries other than these services, the standard indicates that ISO 9905 is a reference.

