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JAMISON POSI-LOCK™ BASKET STRAINER FOR TURBINE METER APPLICATIONS

This strainer was designed in response to findings from an API Ad Hoc Committee investigation into flow conditioning upstream of turbine meters. During flow tests, it was found that in a typical angle basket strainer, the basket can be located in the strainer vessel at slightly different positions which affected the flow meter factor.

To prevent this, the parameters we established for this new strainer design needed to meet the following criteria:

- Basket must not move during flowing conditions
- Basket must not move as basket becomes blocked with debris
- After removal for cleaning, the basket must re-position itself in exactly the same spot as the previous position.
- Design must allow easy basket installation on site
- Avoid the use of screws or locating pins that would add to operator inconvenience and maintain safety in operation.
- Must be a low cost optional feature to the industry standard basket design.
- Must be simple to fabricate.

Jamison Products designed and developed the Posi-Lock™ Basket Strainer to meet all the parameters set forth above with an inexpensive and simple design eliminating the risk of meter factor shift caused by different basket positioning or movement during operation.