

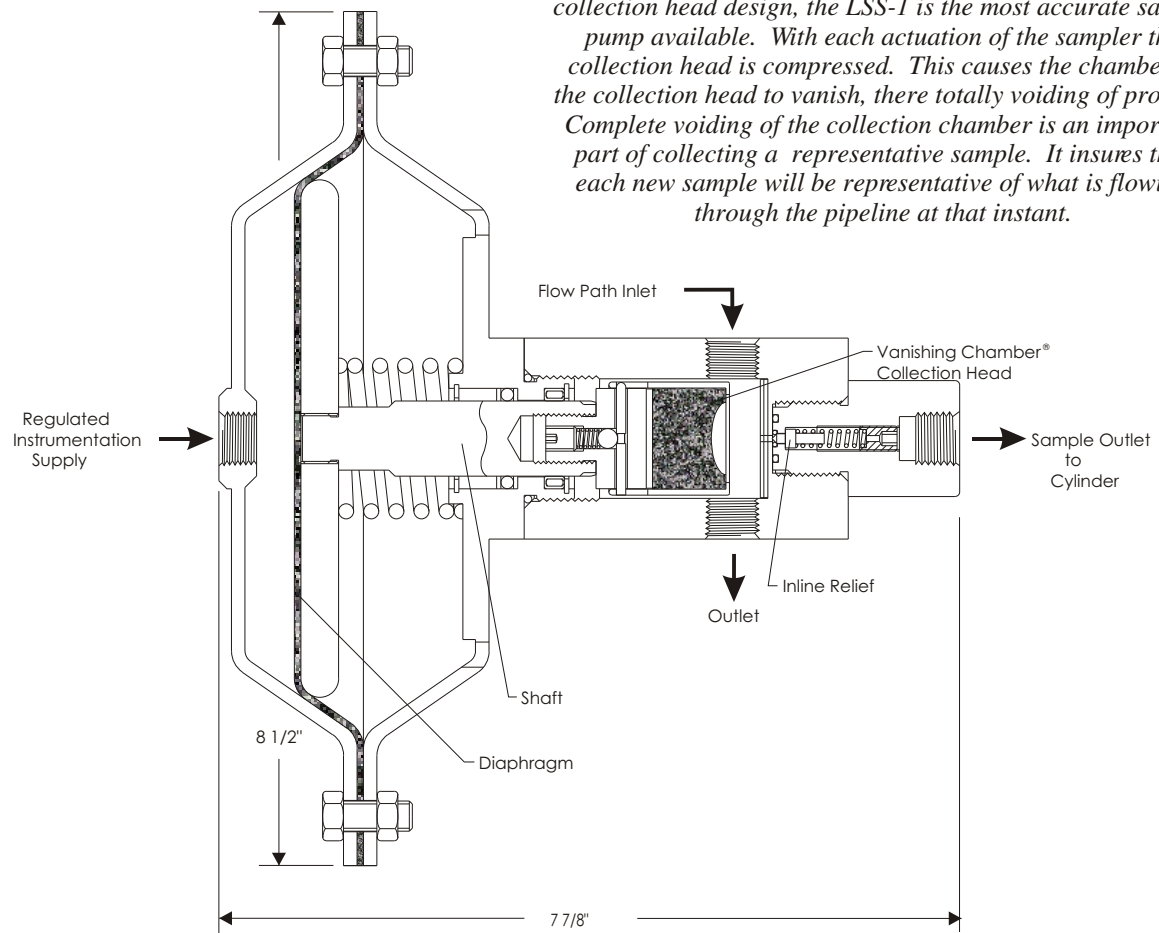
WELKER[®]
Engineering Company

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Welker Vanishing Chamber Liquid Sample Pump

Style LSS-1

At the heart of every Welker Liquid Sampler is the LSS-1 Vanishing Chamber Sample Pump. With it's unique collection head design, the LSS-1 is the most accurate sample pump available. With each actuation of the sampler the collection head is compressed. This causes the chamber in the collection head to vanish, there totally voiding of product. Complete voiding of the collection chamber is an important part of collecting a representative sample. It insures that each new sample will be representative of what is flowing through the pipeline at that instant.



Features

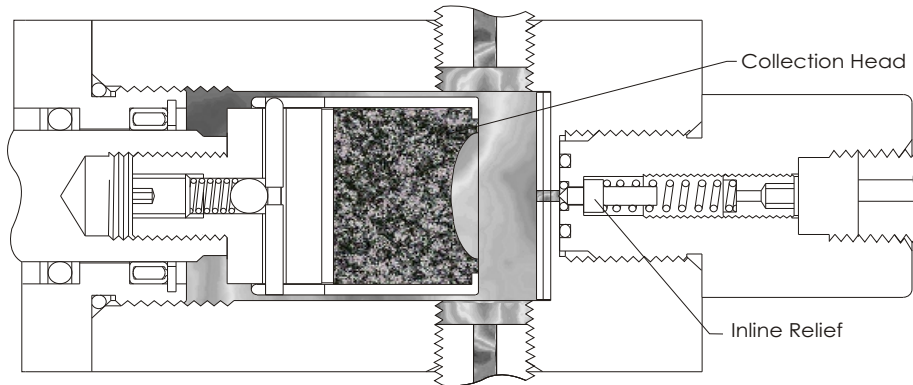
316 Stainless steel construction
Easy to adjust inline relief
No filters or regulators in the sampler path

Easy routine maintenance
Minimum number of moving parts
Compact dimensions

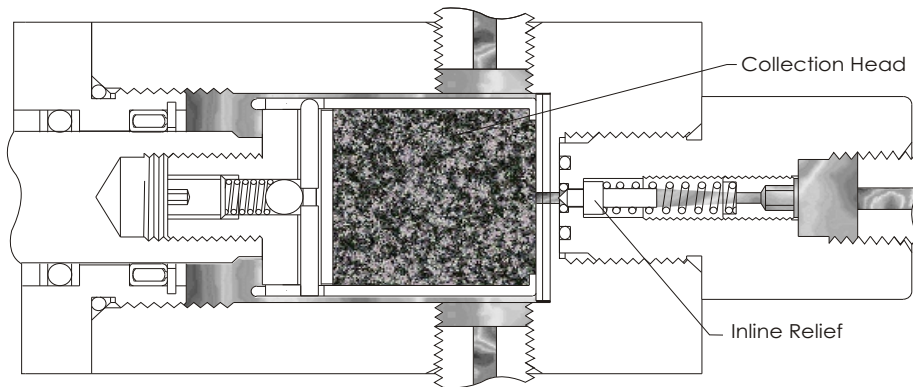
WELKER ... When excellence counts!

Welker Vanishing Chamber Liquid Sample Pump

The LSS-1 Vanishing Chamber Sample Pump features Welker's unique collection head. This design allows Welker liquid samplers to PUMP the product into the collection cylinder, regardless of pipeline pressure.



OPEN: Product fills the chamber in the collection



VOIDED: The collection head is pressed against the opposing flat surface. The chamber in the collection head vanishes, "pumping" the product past the inline relief and into the collection cylinder. The inline relief isolates the collected sample from the pipeline.

Inline Relief Styles for LSS-1

Because sampling conditions vary from one application to another, Welker offers three styles of inline relief for the LSS-1:

1. **STANDARD INLINE RELIEF** - for sampling into constant pressure cylinders.
2. **EXTERNAL ADJUSTABLE INLINE RELIEF** - serves the same purpose as the standard inline relief, but may be adjusted if needed while the sampler is in operation.
3. **BALANCED INLINE RELIEF** - for sampling from pipelines with varying pressure. This relief is tied directly to the pipeline pressure and automatically compensates.

