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5 Multiport valves

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12 Pressure-temperature ratings

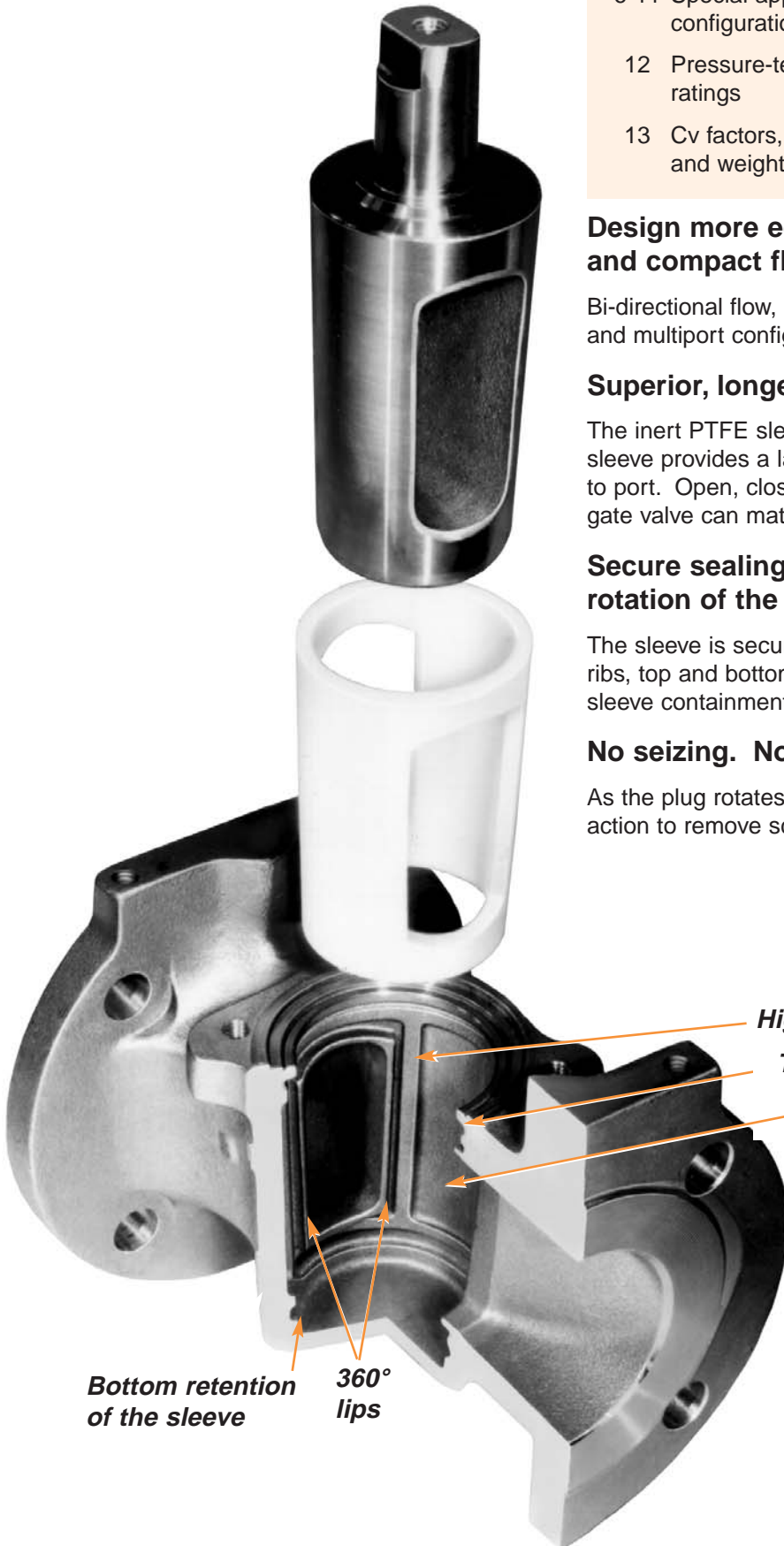
13 Cv factors, dimensions, and weights

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Design more economical, flexible, and compact fluid handling systems.

Bi-directional flow, simple actuation, lightweight, compact design, and multiport configurations all facilitate improved system design.

Superior, longer-lasting in-line sealing.

The inert PTFE sleeve completely surrounds the plug. The sleeve provides a large, circumferential sealing surface from port to port. Open, closed, or rotating, the seal is assured. No ball or gate valve can match this sealing power.

Secure sealing with no cold-flow, deformation, or rotation of the sleeve.

The sleeve is securely nestled in the valve body. High pressure ribs, top and bottom retention, and 360° port lips all assure sleeve containment.

No seizing. No sticking.

As the plug rotates, the 360° port lips provide a self-cleaning action to remove scaling and adhering media.

High Pressure sealing ribs

Top retention of sleeve

Sleeve relief area

Bottom retention of the sleeve

360° lips

No cavities. No contamination.

There are no body cavities where flow media can accumulate and contaminate future processing. This cavity-free design also prevents sticking.

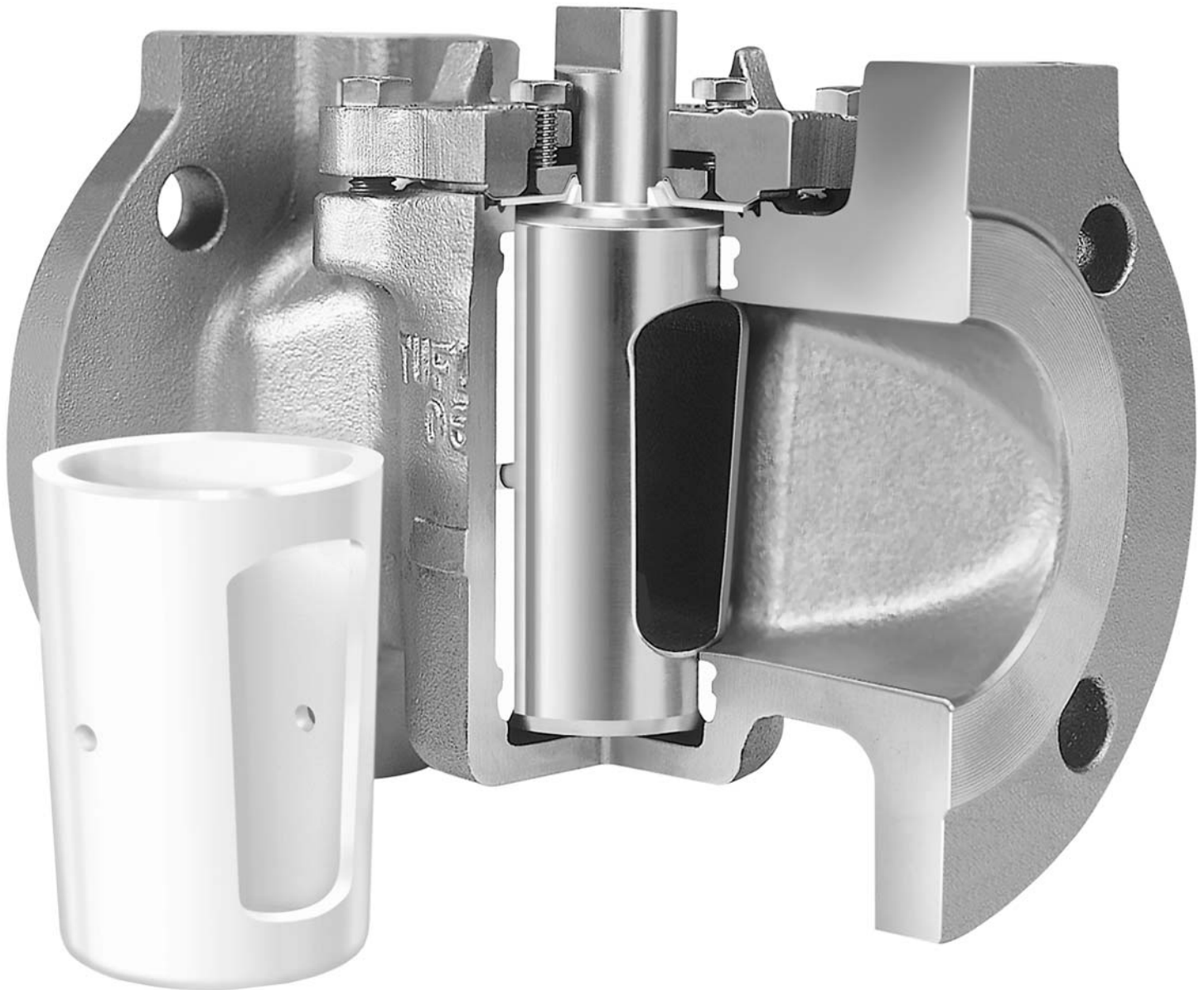
Eliminate unscheduled downtime and maintenance... plus get greatly extended service life.

Many processors experience dramatic cost reductions when they switch from ball and gate valves.

A simple turn of the top adjustment bolts keeps the sleeve sealing tightly and the valve in service far longer.

Two independent sealing systems provide double protection against atmospheric leakage.

Turn the page for details about this valve's superior double stem seal.



Trouble-free sealing is provided by the large, full-circumferential PTFE sleeve. No ball or gate valve can match this sealing capacity.

The PTFE sleeve has a low coefficient of friction. It acts as a lubricant. Ease of operation is assured, even when the valve is left open or closed for extended periods.

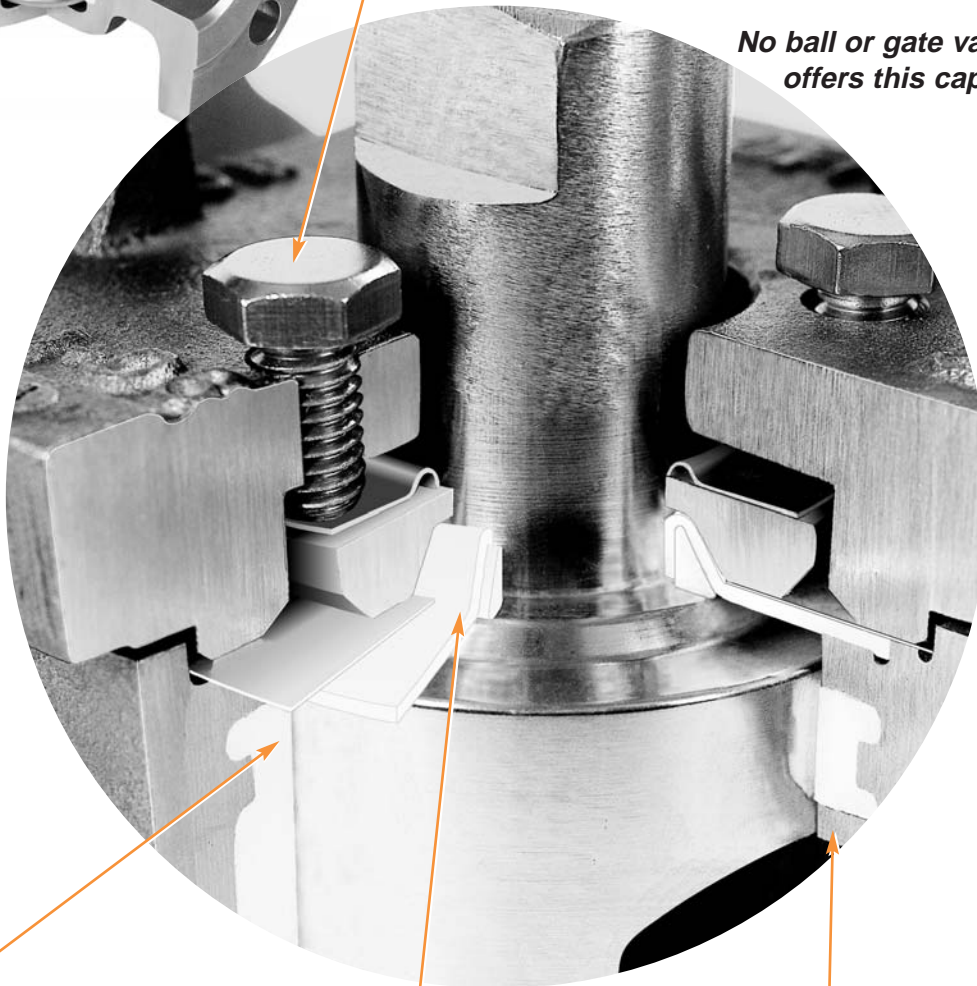
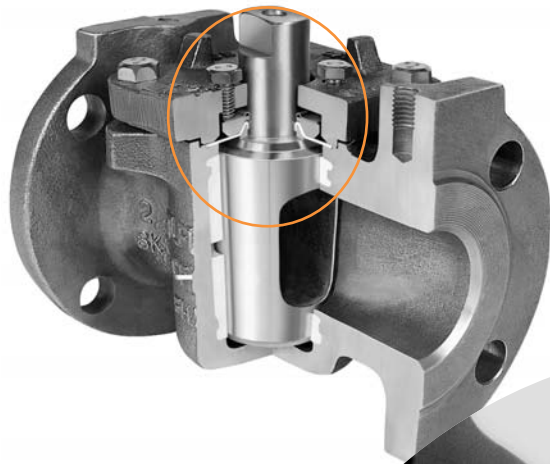
Standard cost and greatly extended service life assure exceptionally low, long-term cost-of-ownership.

The Tufline® sleeved plug valve pays for itself many times over with more up-time and greatly extended service life.

There's a fully adjustable in-line seal and dual stem seal.

Bolts in the top cover provide quick and easy adjustment. Adjust out in-line leakage between shutdowns. Adjust out potential stem leakage.

No ball or gate valve offers this capability.



Stem Seal 1.

The primary stem seal is around the circumference of the plug. Flow media is prevented from reaching the stem.

There are two independent environmental seals.

You get double seal protection at no extra cost.

Stem Seal 2.

The secondary backup seal system provides a wide comprehensive backup seal along the top edge of the plug and the stem.

Unmatched stem sealing.

The Tufline standard dual stem seal is clearly superior to those of gate valves, ball valves, other plug valves, and many expensive valves with extended auxiliary packing.

360° lips.

Port defining lips were developed and patented by Tufline. The lips surround the ports.

The lips improve valve performance and extend service life by:

- Preventing sleeve cold flow and deformation.
- Eliminating sleeve rotation.
- Breaking up and removing adhering, scaly deposits from the outer surface of the plug as it rotates.