



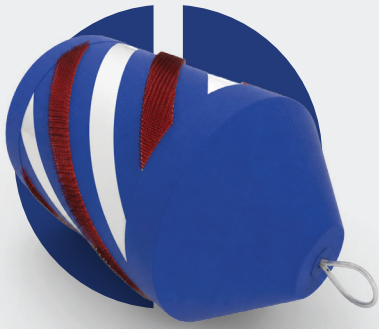
Polyurethane Foam Scrapers / Pigs

IKS foam pigs represent the optimal solution for pipeline cleaning, dewatering, and drying operations that demand exceptional flexibility and the capability to adapt to multi-dimensional internal diameters and tight bends. Thanks to their advanced design, they deliver reliable performance in new lines, un-pigged lines, or complex piping networks, optimizing operational flow and mitigating the risks of unplanned shutdowns.

New: Polyurethane coating options are now available for metal components to provide extra corrosion protection in Sour Gas (\$H_2S\$) operational environments

Foam Density Specification Matrix

Foam Density	Density Range	Application & Type
Low Density	\$24 - 32 {kg/m}^3\$	Final drying, water removal post-hydrotesting, flow testing, and line sweeping (can be hand-launched). Available in Bare or Crisscross styles.
Medium Density	\$80 - 112 {kg/m}^3\$	General cleaning and scraping of medium deposits. Available in options: Bare, Crisscross, Fully Coated, Wire Brush, or Silicon Carbide bands.
High Density	\$128 - 160 {kg/m}^3\$	Heavy-duty cleaning and aggressive scraping over long distances and multi-bend lines. Available in heavy scraping configurations, Fully Wire-brushed, or Silicon Carbide styles.



Foam Pigs Design Features

Engineered to deliver peak operational efficiency, our foam scrapers feature:

Streamlined Leak-Proof Design:

Features a bullet-nosed front and a concave base. This geometry allows the driving medium's pressure to expand the foam body outward, sealing it tightly against the pipe wall to reduce bypass leakage and eliminate product cross-contamination risks.

Standard Dimensions:

Total length ranges from 1.5 to 2 times the pipeline diameter. A built-in oversize allowance of 0.25" to 0.75" is maintained for bare foam to ensure optimal scraping interference.

Chemical Resistance:

Provides superior resistance against mild acids, caustic solutions, and hydrocarbons, making them highly versatile across varying process mediums.

Custom Layouts & Optional Additions

Because every pipeline asset has unique parameters... At IKS, we don't just provide off-the-shelf products; we engineer tailored solutions built around your exact operational parameters, line topologies, and performance requirements. All metal-bodied and foam pigs can be equipped with a wide variety of engineering add-ons to ensure premium run efficiency:

Handling Ropes / Straps:

Integrated on the front, rear, or both ends to facilitate easy pulling, handling, and extraction from receiver traps.

High-Strength Magnets:

Configured to attract and capture loose ferrous debris and mill scale, while assisting in non-intrusive pig tracking.

Transmitter Cavity:

Precision-machined housing to safely secure tracking and transmitter devices inside the pig body (dimensions customized upon request).

Heavy-Duty Scrape Jackets:

Helical Silicon Carbide bands or stiff wire brush wrap-arounds designed to scour away hard mill scale and stubborn mineral deposits.

Custom Structural Options:

Extra-long configurations (for extended sealing across tees), short-bodied variations (for launching through ball valves), or bi-directional foam configurations.



THANK YOU



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