

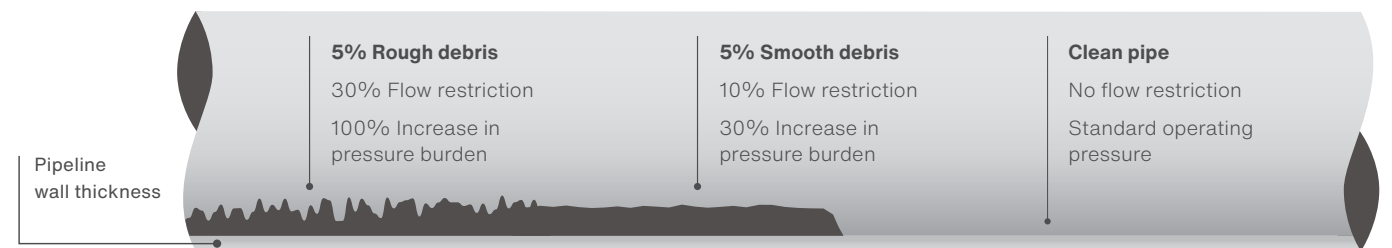
INTEGRATED PIGGING FUNDAMENTALS

ENSURE YOUR LINE IS PREPARED FOR OPTIMAL PRODUCT FLOW AND SUCCESSFUL INSPECTION DATA

ASSURE

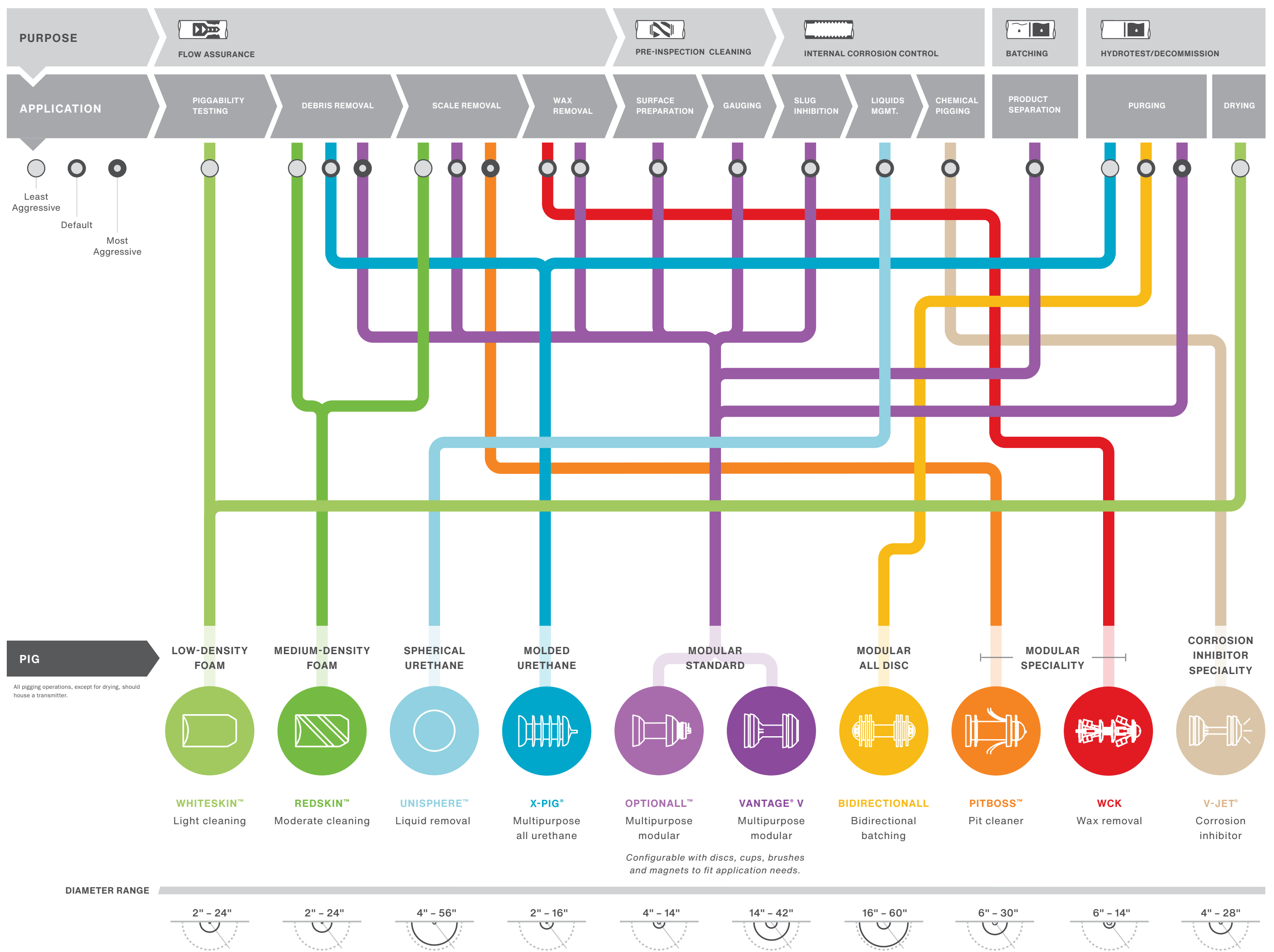
A successful assurance-based cleaning program combines decades of knowledge and expertise with proprietary cleaning metrics to understand the pigging program that satisfies your goals. The result dramatically improves inline inspection (ILI) data, operational efficiency and internal corrosion mitigation.

Tough pipeline conditions – scale, black powder, paraffin, condensates, ferrous oxides and general debris – can restrict internal diameter, reduce throughput, result in ILI tool damage, potentially cause a stuck tool, and/or degrade data quality.



SELECT

THE RIGHT PIG FOR THE RIGHT APPLICATION.



ACCESS

PIPELINE CLOSURES

One of the most critical operations in pigging is ensuring the safe opening of the closure door, which provides access to the pig trap during both launch and retrieval operations. The D2000 Closure with the ProSeries™ advantage includes three key safety features:

- Built-in safety, includes pressure warning lock and is designed to open without putting operator in harm's way.
- Compliant with industry code requirements.
- Easy to use, reduces operational cost and effort.



VERIFY

PIG PASSAGE INDICATORS

Easy to install and simple to use, pig passage indicators detect pigs or spheres as they pass distinct points along a pipeline, signaling successful passage and verifying it is safe to proceed with operations. For example,

"PIG-SIGs," a term TDW coined over 60 years ago, installed at the end of a pipeline section verify that a pig has reached the receiver. Signaling systems include a flag indicator, an electrical indicator or a combination of both.

