

PIPELINE PRODUCTS

Innovative Chemical Solutions



Pipelines are No Longer "Unpiggable"

Chemical pigs with remediation and treatment chemistries are very versatile and can be applied at any point during the lifetime of a pipeline. From helping to remove hydrotest fluids when commissioning, to the bulk removal of hydrocarbons and solids prior to maintenance or decommissioning.

Solid Shape-Memory Pigs

Solid Shape-Memory (SSM) pigs are compressible mechanical pigs that can deform up to 50% of their original diameter to allow traveling through multiple diameters over great distances. SSM pigs are the only unpiggable line option for situations where a gas propellant is required. Unknown severe restrictions will allow SSM pigs to harmlessly break up. This eliminates pig sticking risk, but also allows for applications through reduced diameter piping and for the recovery through small valves and hoses without the need for a traditional launcher or receiver.

Pipeline Gels

Pipeline gels are viscous shear thinning liquids with self-healing properties used in pipelines primarily to remove bulk liquid, gas, or debris.

They also form very effective barriers between different fluid phases or chemical treatments and can provide protection against seawater ingress during subsea installation.

Supporting Chemical Technology

The range of chemical applications needed to protect assets and maximize performance must include the removal of scales, paraffin waxes, asphaltenes, biomass, sand, and a variety of heavy oil coated solids. This supporting chemistry is customized using advanced laboratory analysis to target specific damage mechanisms.

PIC's capabilities extend to more routine general cleaning, corrosion prevention, and flow assurance that results in a higher level of pipeline integrity.

TYPICAL APPLICATIONS

-  Unpiggable Lines
-  Debris Removal
-  Dewatering
-  Spool Protection
-  Cleaning
-  Degassing
-  Deoiling
-  Rescue
-  Blockage Detection
-  Lubrication

Product Datasheets are Available on Request

Product List

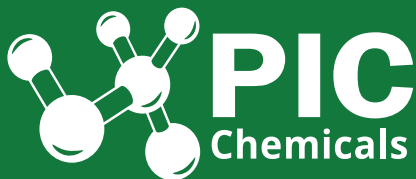
Products	Descriptions	Applications
Atlas Pig	A highly flexible SSM pig capable of reducing to 50% of its diameter and returning to its original state. One of the only high deformation pigs that can be propelled with gas. The pig can be customized to tolerate pressures up to 8,700 psig for up to 72 hours.	
Hyper Gel Pig	Highly flexible and stable under a wide range of temperatures from -4°F up to 250°F.	
SafeGel	Environmentally friendly crosslinked pipeline gel - highly versatile liquid gel pig with self-healing ability that can be chemically broken.	
AquaGel	Encapsulates and transports debris lifted by a pipeline pig maximizing solids removal efficiency.	
AlcoGel	Aggressively hygroscopic - highly effective at cleaning and drying water sensitive lines.	
PetroGel	Cleans and removes debris from hydrate sensitive lines. Can also be used to detect blockage locations and allow for the spotting of solvent on wax and asphaltene restrictions.	
GlycoStat Gel	Strong and slump resistant gel designed specifically for spool protection and degassing. Can be dyed or made fluorescent, making it visible in the subsea environment.	
NoPhalt	A solvent or viscoelastic gel system that solubilizes, disperses, and carries away asphaltenic damage.	
NoWax	A customized aliphatic system to more efficiently solubilize the likely wax composition encountered.	
ThermiSolv	A line of thermal fluids that can be safely heated to maximize the solubility of tenacious organic deposition when traditional solvents are ineffective.	
DynoWash	A water-wetting and deoiling system to maximize oil removal and minimize flushing volumes.	
DynoWash Gel	A viscous water-wetting and deoiling system for the removal of oil wet solids.	
AquaLube Gel	Water based gel which lubricates and protects mechanical pigs as well as encapsulates and transports any debris.	
GlycoLube Gel	Glycol based gel which lubricates and protects mechanical pigs as well as encapsulates and transports any debris.	
PetroLube Gel	Hydrocarbon based gel which lubricates and protects mechanical pigs as well as encapsulates and transports any debris.	
PyroGel	System designed for the removal of pyrophoric black powder and the prevention of H ₂ S liberation.	
H-Gel	Specially designed to capture and convert elemental mercury for its safe recovery and disposal.	
Saf-C-H₂O	Seawater treatment product line that provides scale, corrosion, and biofouling inhibition.	



Pigging the Unpiggable

No Two Jobs are Identical

PIC will provide products tailored for your specific application as well as reliable technical advice and support for your project's needs.



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