

DECOKING PIGGING

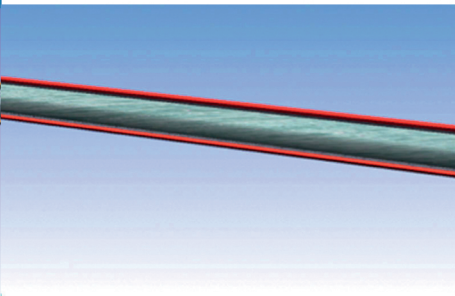
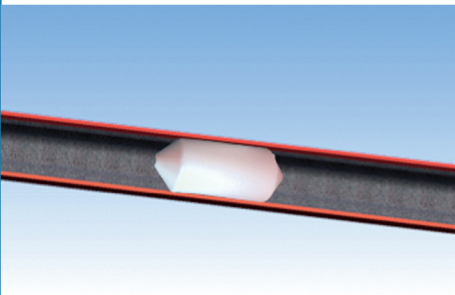
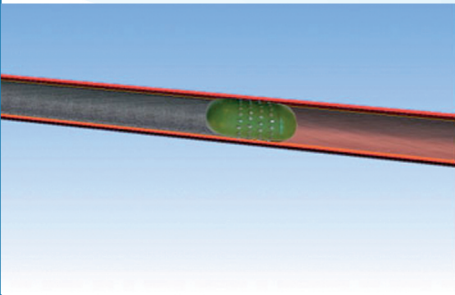
PolyEurope bv is a renowned Dutch manufacturer of pipeline pigs and pipeline equipment for cleaning and maintenance of pipelines and installations.

PolyEurope bv is situated in the heart of The Netherlands city Tricht, close to Rotterdam seaport and Amsterdam airport. The manufacturing sites from **PolyEurope bv** are equipped with state of the art production and testing equipment for the production of pipeline equipment according the latest international technical standards. With agents, importers and distributors throughout the world **PolyEurope bv** has been involved in many large and smaller pipeline projects.

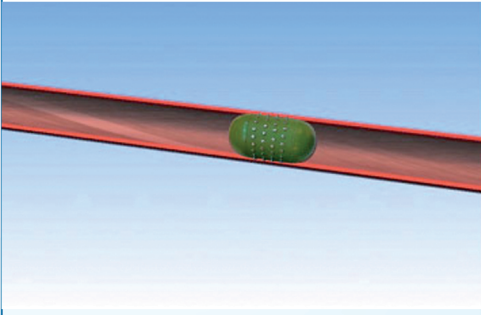
Quality, Reliability and Innovation have been the main pillars of our company philosophy for many decades. Product development for special applications has been a core strength since the company was founded in 1974.

PolyEurope bv is proud to be exclusively approved by a number of our long term customers as a result of technological development of our products.

THE PIGGING PROCESS

<p>1. Flow test</p> 	<p>Flow test (none cleaned lines).</p> <ul style="list-style-type: none"> • Irregular flow with corresponding pressure.
<p>2. Seizing poly foam-pig run</p> 	<p>Determination deposit built up.</p> <ul style="list-style-type: none"> • Seizing foam-pig run to ensure flow path in the tubes are clear. • Pressure profile shows where deposit of coke is located. • Determine the size of first decoking-pig.
<p>3. Decoking-pig runs</p> 	<p>Decoking-pig runs by progressive pigging method.</p> <ul style="list-style-type: none"> • First decoking-pigs are under sized. • Using various configurations of decoking-pigs. • Pig travel could be monitored by recording the pressure profile. • Direction of the pig can be reversed by changing the direction of the water flow. • The location of the pig in the heater can be easily determined by computer controlled systems

4. Final flow test



Final flow test cleaned line

- Constant flow with corresponding pressure.
- Determine pressure decrease, flow increase after cleaning.

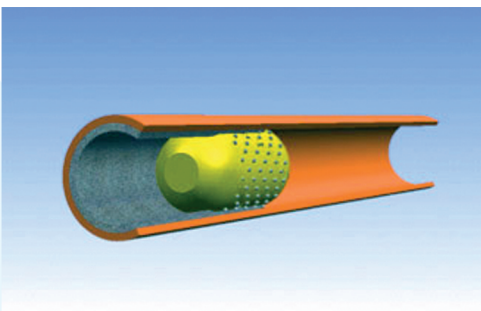
PIG BEHAVIOUR

PolyEurope bv develops decoking-pigs which are flexible-, durable-, resistant to chemicals and highly aggressive for any decontamination on the inner pipe-wall.

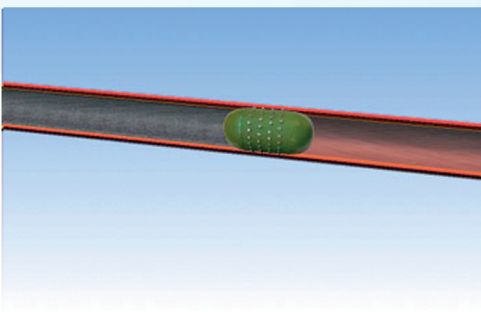
The decoking-pigs are equipped with a scraper section which is anchored in the polyurethane pig body. Due to the flexibility of the pigs these can negotiate 90 and 180 bends.

With extensive product development and innovation experience, **PolyEurope bv** is able to develop any shape or size of decoking pigs in order to provide a full solution to customers.

PolyEurope's pigs are designed to perform in the most difficult and aggressive environments, "the Inner tube-life". The "Inner tube-lifetime" of PolyEurope's pig is guaranteed by using the exact mixture of flexibility and hardness. This formula of pig-parameters is tested and approved by **PolyEurope's** customers.

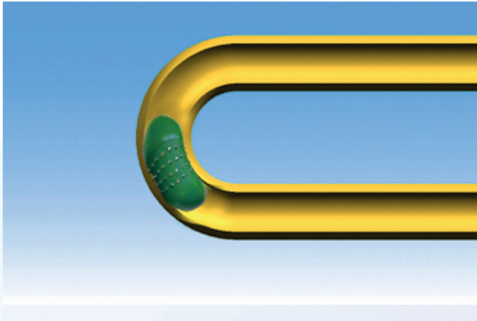


Due to the shape of the body, **PolyEurope's** pig moves with less force.



A propellant bypass along/through the pig body provides the discharge of the deposits to be removed, in order to prevent a blockage.

PolyEurope's pig easily negotiates 90° bends : The quantity of studs which have been mounted to the body, are in direct relation to the inner "condition" of the pipe to be cleaned, in order to achieve a 360° cleaning coverage. The studs are mounted permanently and are moulded in, which increases quality, performance and operation.



Features & Benefits of Decoking Pigs

- Flexible, durable and chemical resistant
- Highly aggressive to remove decontamination
- Can negotiate 90° and 180° bends
- Guaranteed 'Inner Tube-Life'
- Performs in even the most aggressive environments
- Moves with less force
- Deposits are removed to prevent blockage
- 360° cleaning coverage