

**PERFINOX**

SOLUTIONS FOR THE FOOD INDUSTRY

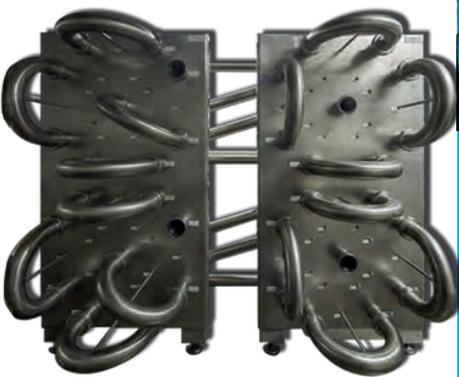
# PIG SYSTEMS

PRODUCT RECOVERY



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## PRODUCT RECOVERY



Originally, the PIG systems were used, mainly in the Oil and Gas Industries. They were used to recover high value products, as well as to clean the entire production line.

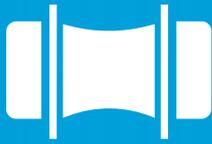
The projectile made a sound similar to a pig's squeal, hence the name "PIG". The "Pigging" as productive process refers when a PIG is inserted the tubing with the purpose of cleaning and/or recover product.

Later, and to maintain the original designation, the PIG initials started being described as "Pipe-line Inspection Gadget".

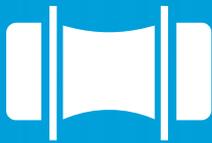
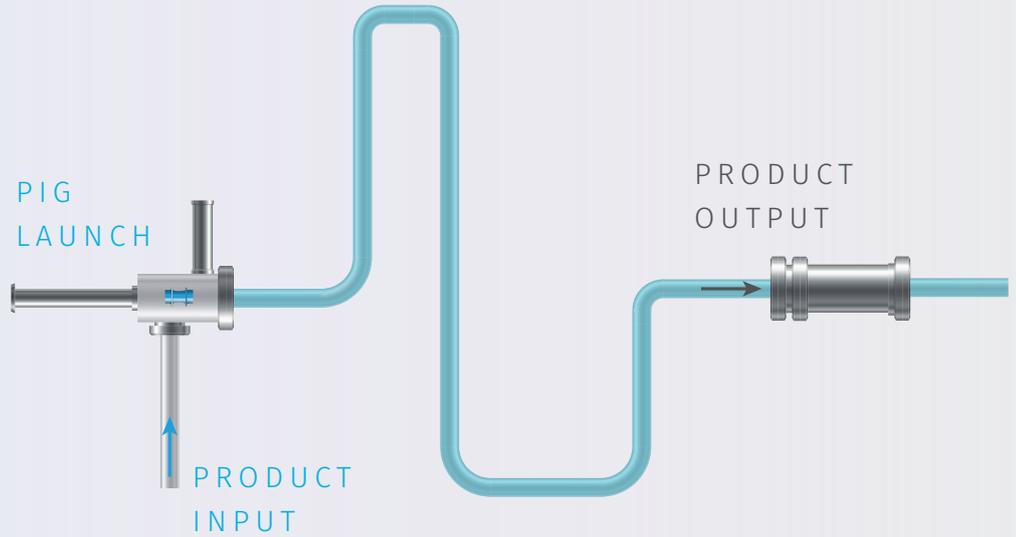
Nowadays, PIG systems are used in the Food & Beverages Industries, Pharmaceuticals & Cosmetics with the exact same purpose.

# PIG SYSTEMS

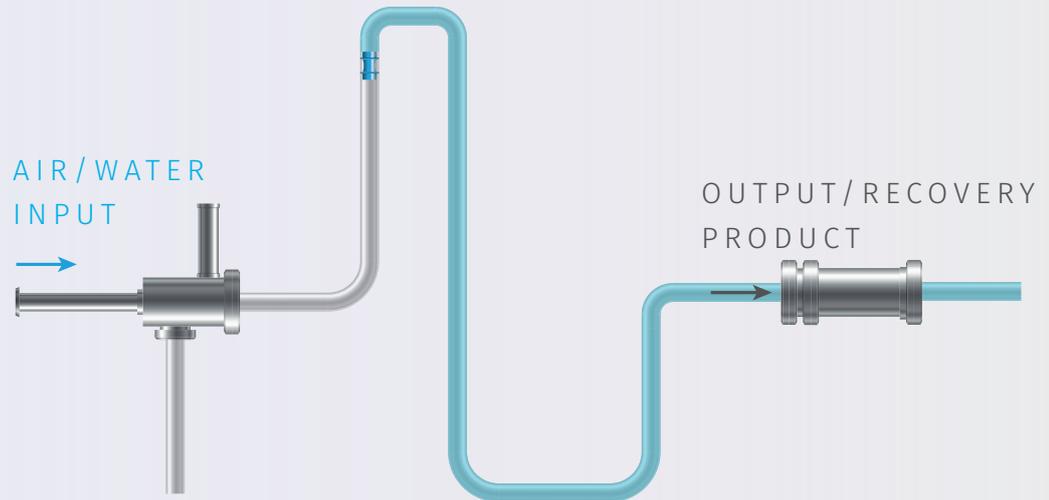
- ✓ Total product recovery at the end of each production cycle
- ✓ Product wasting reduction
- ✓ CIP costs reduction
- ✓ Rapid switch between different products



## TRANSFER



## PIPE SCRAPING



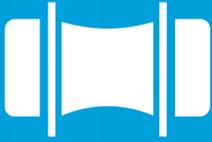
## PIGS

- ✓ Solid body
- ✓ Easy tracking
- ✓ Reduced risk of blockage on bends
- ✓ Passage in Manifolds and Flexible Pipes
- ✓ Symmetry - equal cleaning in both directions
- ✓ Low friction
- ✓ Fast action
- ✓ Replaceable seals

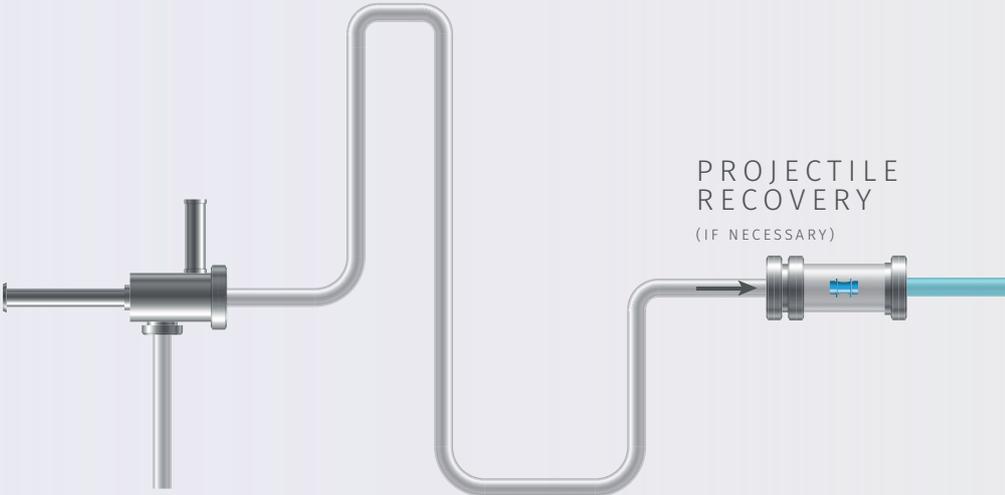


## PROJECTILES

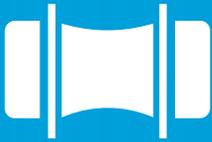




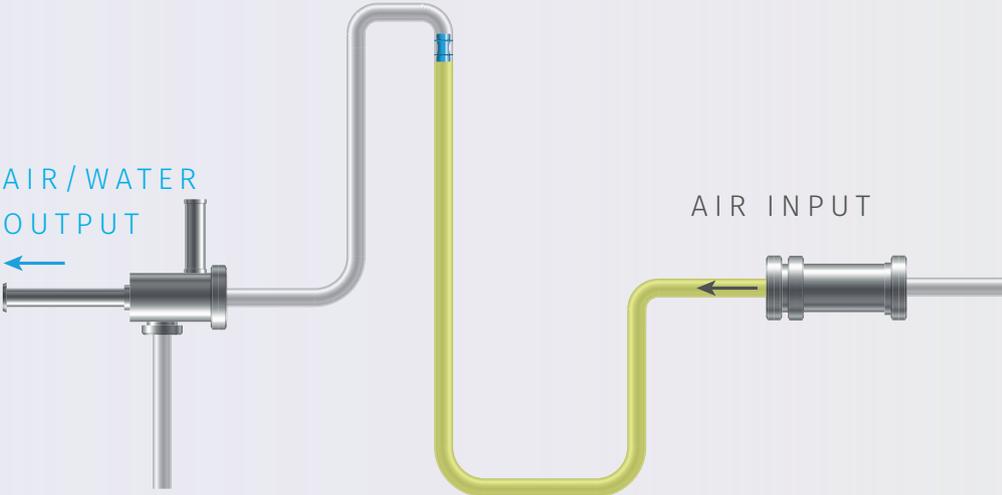
PIPE  
SCRAPING  
END



PROJECTILE  
RECOVERY  
(IF NECESSARY)



PROJECTILE  
RETURN

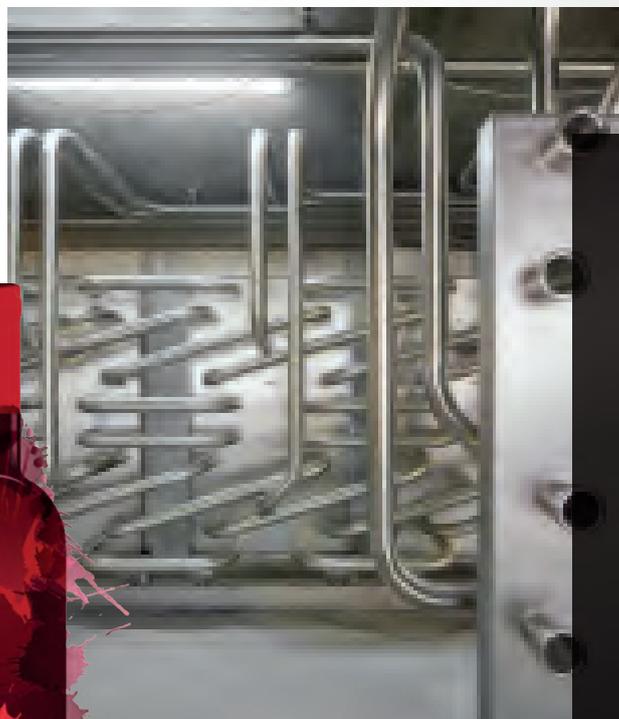
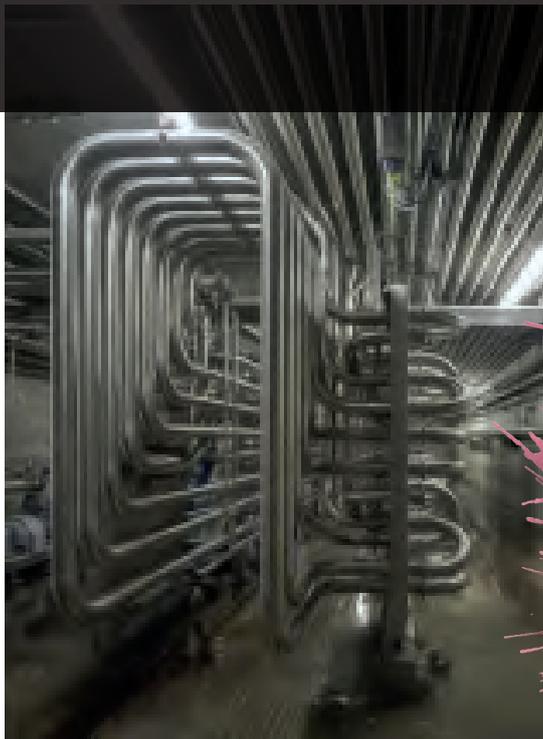


Smart and efficient automatic systems, developed for small human intervention, reduced product losses and low environmental.

# PIG SYSTEM IN WINERY

4,5km of DN80 PIPING  
134 LAUNCHING AND  
RECEIVING STATIONS

- ✓ Product recovery at the end of each production cycle
- ✓ Reduction of product waste
- ✓ Reduction of CIP costs
- ✓ Quick changeover between different products



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PRODUCT RECOVERY



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