

pigging technologies

SURELAUNCH AUTOMATED PIGGING SYSTEMS

Specifications:

- Sizes: 4" nominal to 42" nominal line pipe
- Barrel Capacity:
 - Launcher – 7 Cleaning pigs (2D) or length of one ILI tool
 - Receiver – 8 Cleaning pigs (2D) or length of one ILI tool
- Pressure Rating: ANSI 150#, 300#, 600#, 900# & 1500#
- Product: Liquid and Gas Service
- Product Temperature Range: -50° F to 150° F
- Power Options: 24VDC, 115VAC or 230 VAC
- HMI: EXOR eTOP507G 7" TFT widescreen
 - CPU – ARM CORTEX-A8 – 600 MHz
 - User Memory – 128 MB Flash
 - Serial – RS-232, RS-485, RS-422
 - Ethernet – Two 1-/100 Mbit with integrated switch
 - USB – Two Host Interfaces
 - Temperature Range: -25° F to 140° F
- Explosion Proof Rating: Class 1, Div. 2 Haz Loc
- Environmental Rating: NEMA 4X / IP66

Options:

- Semi-automated capabilities without logic-driven controls
- Semi-automated systems can be equipped with electric drive motor or can be manually operated when electric power is not available
- Corrosion coupon holders for monitoring internal corrosion rates
- Pull nozzles for loading in-line inspection tools
- Overlays of trap components for corrosive service applications
- Valve packages available upon request
- In-Field application engineering, project management, training and commissioning services
- Extruded nozzles eliminate tees and reduce girth welds on the outlets during field installation.



Extrusion Process:

Dies are used inside and outside of the part to control the outlet shape. Launcher and receiver sections are extruded hot or cold, depending on exact plate chemistry or requirements. Extrusion may be pre-formed in several stages, with proper heat treatment between operations.

Quality Assurance:

Extruded outlets allow for 100% radiographic examination of all welds and ensure the cross section transition is uniform. Resistance to notch-sensitivity and fatigue failures prevents future quality issues.

Superior Strength:

By moving the weld away from the highly stressed crotch area of the outlet, an extrusion offers a more reliable, proven connection than a welded-in or padded outlet. Fatigue cracking from cyclic or thermal loads is eliminated in some environments by extruded outlets. The butt weld of an extruded outlet also simplifies radiographic examination.

Design Flexibility:

Extruded launchers and receivers can offer design advantages unavailable with standard fittings. Design flexibility allows placement of outlets where you want them, along with varied specifications to meet stringent code requirements. Outlet configurations can be designed to maximize cost savings or minimize space requirements.

Skid Mounted Launchers and Receivers:

We offer a complete skid mounted package that can include a catch pan under closure door to prevent contamination of the environment; pig launching tray and overhead crane to simplify the loading and unloading of large diameter pigs or inline inspection tools.