

Solutions Designed by Experts - 2020





Purpose

To deliver best in class monitoring solutions based on client's application

Value

Our Uniquely positioned to supply products and services that can compliment, integrate and support projects from the design stage, through to maintenance and data retrieval and analysis

Experience

A team comprised of experts in all major monitoring brands hardware and systems



Access Fittings - All Types

- HP Hydraulic and Mechanical
 - Flanged or Welded
 - Up to 10k psi
 - A105/LF2, 316/316L, F51/F55 as standard material options
- LP Retractactable
 - Flanged or Threaded
 - Up to 1500psi
 - 1" and 1.5" connections supported

Safety

- Pressure Retaining Covers Recommended for All HP Fittings
- Rigid Safety Clamps, 5/8" OD Device Body, and Drag Force Calculations Provided

Devices

Corrosion Coupons, ER & LPR Probes, Erosion Probes,
 Bio-Film Detection, Hydrogen Probes, Injection Quills & Atomizers and Sampling Tubes



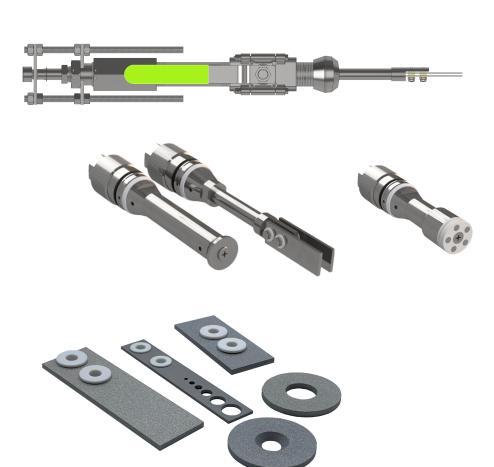


Coupon Holders

- Strip, Flush, Ladder, Multi Disc Holders & Bio-Film Probe
 - 316 Supplied as Standard
 - Flush Adjustable Option
 - Welded or Non-welded
 - Wake Frequency and Drag Calculations Supplied

Coupons

- 3" Strip, Disc, Ladder and Scale Varieties
 - Superior Finish Designed for O&G Applications
 - Pre-weighed, Stamped & Sealed in VCI Bags
 - Weight Loss & Pitting Analysis Reporting Provided
 - Microbial Assessment





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Intrusive Probes

- ER, LPR & Erosion
 - 316 Bodies Supplied as Standard
 - Cylindrical, Flush & Wire Loop Versions
 - Erosion Probes Both ER and Sacrificial Options
 - Variety of Materials and Element Thicknesses

Flush Tubular Flush Wire Loop

Instruments

- Spot Reading, Data-Logging, Online
 - Single Hand-Held Unit Reads All Probes Directly
 - Also Reads Both ER & LPR Loggers
 - 4-20ma Transmitter for Online Readings
 - RS485 20 Bit Transmitter For Digital Interfacing







Non-Intrusive Wall Thickness Monitors

- Output
 Ultrasonic Measurement
 - Up to 550°c
 - Single Element Transducer
 - Silver Foil Interface
 - No Welding No Epoxy No Maintenance
 - Minutes to Install

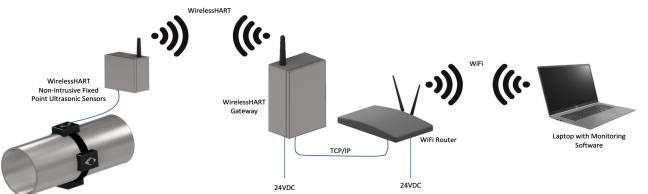
Instruments

- Instant Measurement Using Most Flaw DetectorsOr
- 4 Channel Wireless HART (4 Points for Each WiFi TX)
 - Ideal for Flaw Monitoring
 - Convert Inspection to Monitored
 - Reduce Costs Related to Manpower and Access Infrastructure

Complimentary

When Integrated with ER Probes, Wall Thickness Monitors Deliver a Comprehensive Corrosion & Erosion Monitoring Solution





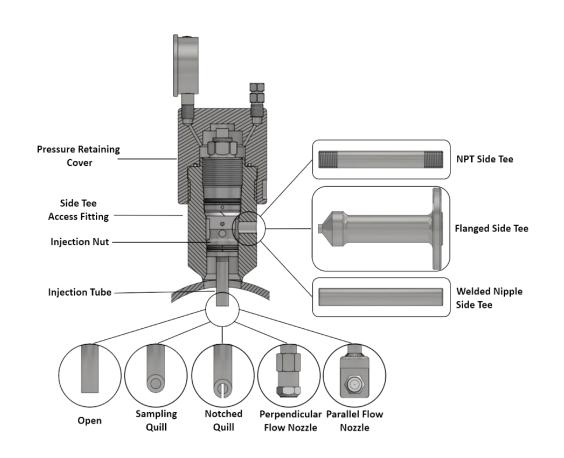


Chemical Injection Hardware

- Fittings
 - Side NPT or Flanged
 - Swivel Flange Option for High Alloy's
 - Direct (Non-Tee) Method Available Kamikaze
 - Integral Non-Return Valves
 - 1" LP Retractable
 - Flanged 'spade' Type

Nozzles & Tubes

- Atomizers / Cap & Core
 - Selected Based on GPH & Pressure Differential
 - Range of Spraying Patterns
 - Quills and Sampling Tubes
 - Wake Frequency and Drag Calculations





Services

- Online retrieval of corrosion coupons and monitoring probes – Hydraulic and Mechanical
 - Coupon analysis and Probe data reporting
 - Site surveys and equipment audits of corrosion, erosion and chemical injection systems
 - Chemical optimization and performance evaluation projects
 - Sidestream monitoring
 - Corrosion and Erosion control well testing services
 - Hot-tapping of new access systems
 - Installation of permanent UT monitors

Competence & Safety

- © Certified trainers in both hydraulic and mechanical access systems
 - Onsite training and technical support in accordance with the latest HSE best practices

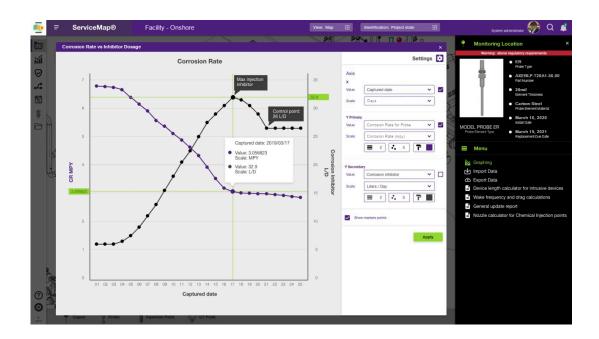


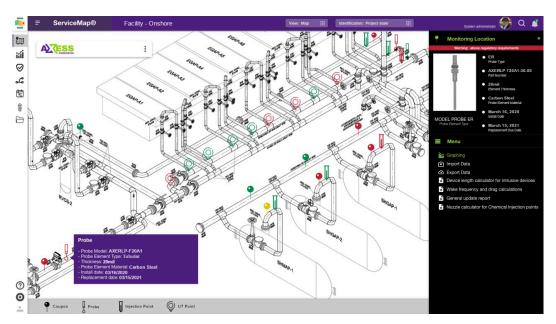


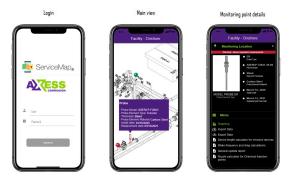
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Software

- Multi Platform Database
 - Coupon analysis and Probe data reporting
 - PFD's & Tag ID's (Pictures, GPS)
 - Historical Data and Vital Information









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