



COSASCO®

COSASCO SYSTEMS

Access Under Pressure

www.cosasco.com



Cosasco Access System

Corrosion, an expensive and potentially disastrous phenomenon, is the leading cause of process equipment and piping failure, requiring companies to pay billions of dollars annually in replacement costs and downtime. In response to the need to safely install and retrieve corrosion monitoring or chemical injection devices in high pressure systems where system shutdown is impractical and expensive, Cosasco developed the Cosasco Access System.

Refined and perfected over years of practical service, Cosasco Access Systems are the safest and most reliable for use in hundreds of applications in oilfields, refineries, and other plants where access into a pipe or pressure vessel is required. Using Cosasco Access System, you can access high-pressure systems - under full working pressure - without shutdown or product loss, for the insertion and retrieval of corrosion monitoring and chemical injection components quickly and safely.

Cosasco offers the most complete system, broadest technical assistance, largest inventory of parts, and the most reliable products available. In fact, the Cosasco Retriever is the most widely used throughout the world and Cosasco fittings are considered the standard of the industry.

This system is the result of meticulous attention to engineering design, precise manufacturing, and skillful assembly. With these basic ingredients, Cosasco Systems comply with all necessary pressure codes, as well as NACE MR 01-75 standards for the prevention of sulfide stress cracking (SSC).

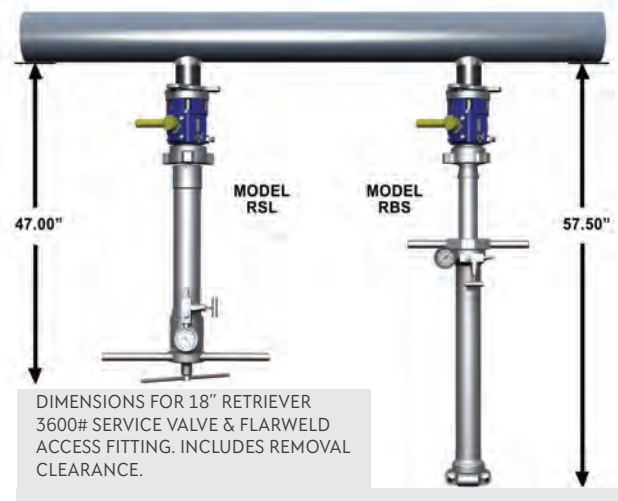
Cosasco's shorter, non-telescoping RSL retriever is ideal for those bottom-of-the-line installations where space is limited. The design reduces the clearance required for access by over 10 inches (see diagram). It is lightweight, easy to use, and compatible with industry standard Cosasco access fittings.

**Access high-pressure systems
under full working pressure
without shutdown or product loss!**



COSASCO® RBS/RBSA Retriever Kit

In harsh environments, the Cosasco Retriever is unmatched for quality and reliability.



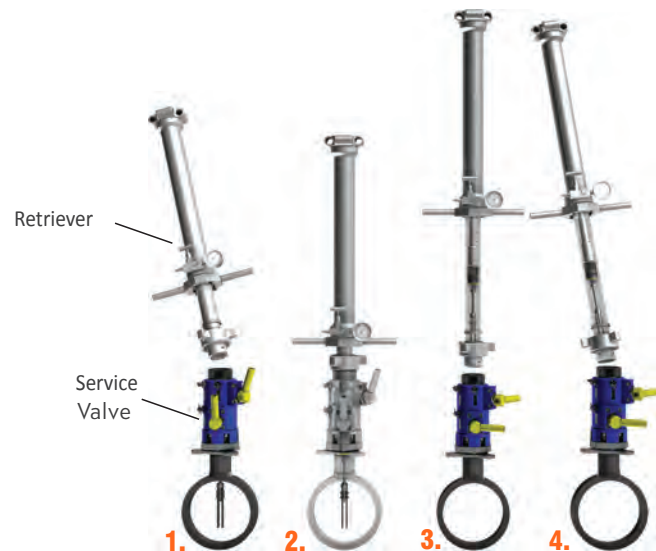
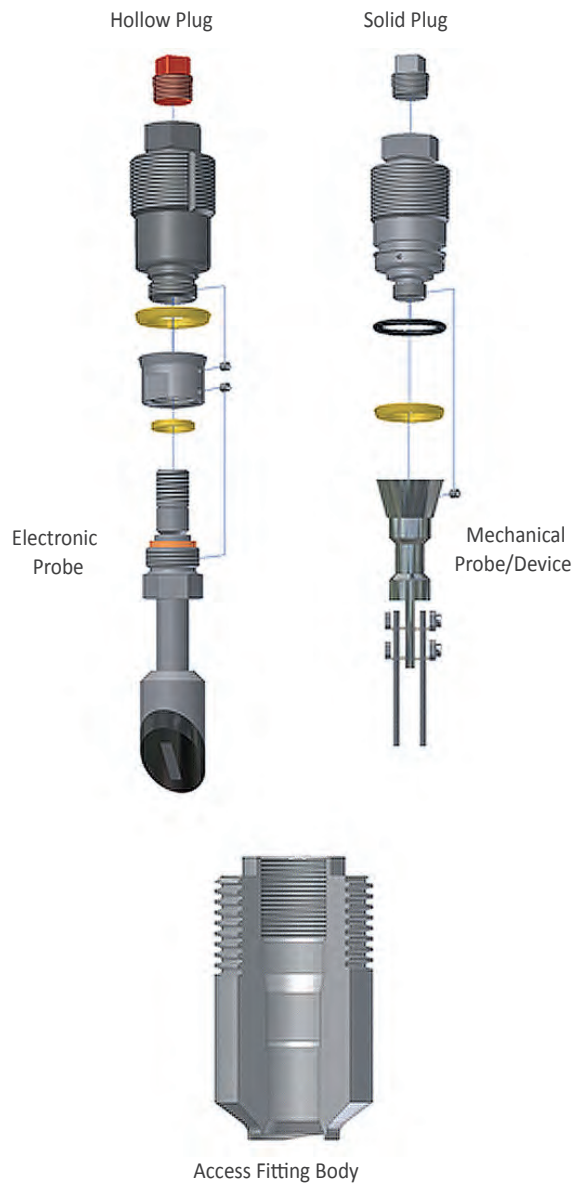
Reduced clearance for RSL Retriever

**ACCESS UNDER PRESSURE MEANS
NO EXPENSIVE SHUTDOWNS**

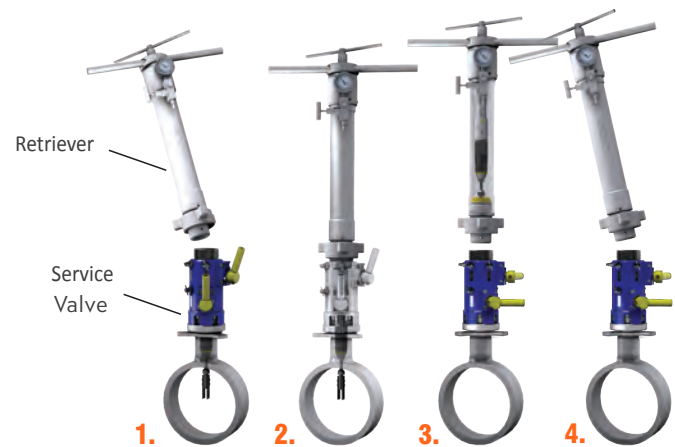
How The Cosasco System Works

The Cosasco System consists of an access fitting with a solid or hollow plug in it to carry the monitoring or injection device, a service valve, and a retriever. The access fitting is permanently attached to the vessel or pipe, and the service valve and retriever are used to insert or remove the various probes, coupons, or injection equipment.

Flarweld Access Fitting Assembly



RBS/RBSA Retrievers



RSL Retriever

1. Attach service valve and retriever to access fitting.
2. Engage plug with retriever. Pressurize retriever. Unscrew plug.
3. Retract retriever, with plug. Close valve to isolate process.
4. Depressurize retriever, remove plug. Reverse procedure to install.

We at Cosasco take pride in our reputation for quality control, state-of-the-art craftsmanship, unparalleled service, reliability, and safety. From development and manufacturing through implementation, the team behind Cosasco Access Systems has demonstrated a commitment to excellence. And our years of success in the field is the best indicator of what we can offer you.

Cosasco Offers Safe, Reliable Solutions To Meet Your Requirements

Innovation is a priority at Cosasco as we seek to provide solutions for our customer's needs - whether they require options for severe service, lower pressure systems, or something in between.

Unique to the industry, Cosasco's Coupons, Probes, Injection Quills and more, can be inserted and removed at pressures up to 6000 psi.

Retractable Systems are available for pressure up to 1500 psi (Model 60 Series). With the Cosasco Hot Tap Tool, also be installed without shutdown.

COSASCO[®] care Preventative Maintenance & Integrated Services

Cosasco Care offers a broad spectrum of services, including after sales support, to make sure your Cosasco access systems, assets, and plant operations are running at their peak performance and under the safest conditions.

Cosasco Care Services include:

- ▶ SAFR Services
- ▶ Chemical Injection & Optimization
- ▶ Data Management & Reporting
- ▶ Design, Installation, & Commissioning
- ▶ Safety Awareness Training
- ▶ Microbiological Monitoring & Data Collection
- ▶ Technical Sales & Support
- ▶ Corrosion & Erosion Consultancy

Contact our Cosasco Care team for more details at care@cosasco.com or visit www.cosasco.com/care for more details.



Patented CR Fitting With Highly Corrosion Resistant Alloy Insert



Model 60 Medium Pressure Retractor



Variety of Cosasco devices that can be inserted into a pressurized system