

CSSA



Features

- **Maximizes corrosion inhibitor efficiency**
- **Flexible configuration**
- **Installs quickly – no plant shutdown required**
- **Operating pressure up to 1125 psi**
- **Operating temperature up to 392°F (200°C)**
- **Uses standard 1” tees for easy connection and add-ons**
- **Provides metal loss, corrosion rate, pressure, temperature, flow, and bacterial activity in your pipelines**

The Cosasco Side-Stream Assembly (CSSA) is a portable, cost-effective corrosion survey tool to quickly provide accurate metal loss, corrosion rate, pressure, temperature, flow and bacterial activity to maximize corrosion inhibitor efficiency.

The tool is built of easily-connected 1” tees, each with a different monitoring technology, so you can pick and choose the number and types of monitoring required for each particular application. Your system connects to the upstream and downstream ends of the CSSA with flexible high-pressure hoses (not included).

The valves, pressure gauges and flow meter on the tool allow you to ensure that you have proper representative flow through the CSSA to provide reliable survey data on which to implement an optimized asset management control plan. The CSSA survey tool can be used for operating pressures up to 1125 psi and temperatures up to 200°C in its standard form.

Cosasco offers the following measuring technologies for the CSSA Tool:

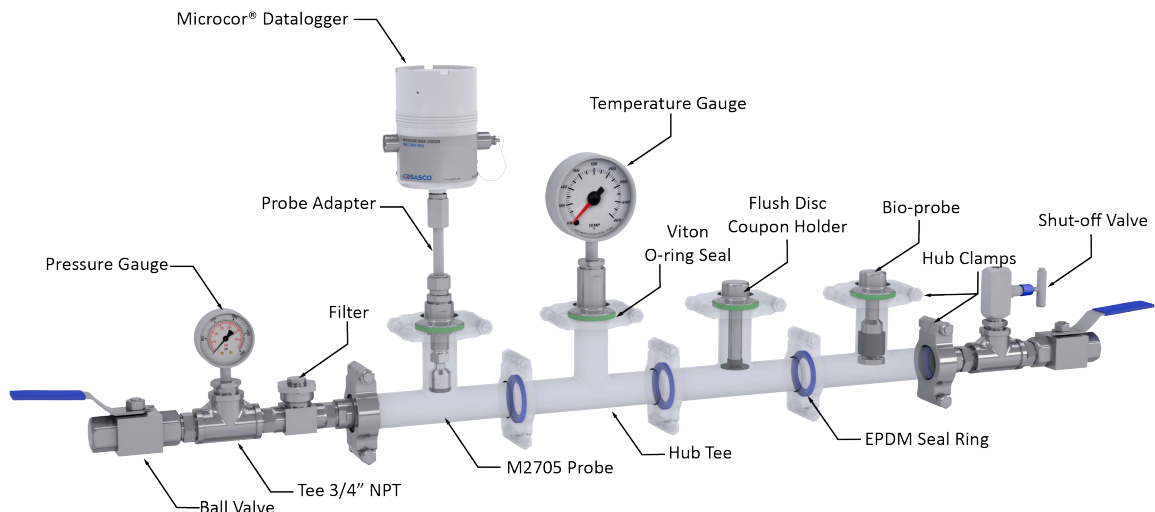
- Microcor® High Speed Electrical Resistance (ER)
- Bio-probes
- Metal Loss Coupons
- Process parameters

The CSSA with these various rapid measurement techniques will quickly give you a clearer picture of your particular corrosive environment. This allows you to test the effectiveness of changes to your inhibitor injection rates, and even evaluate alternate inhibitors and treatment much more rapidly than was previously possible. Installation is quick and easy with minimal cost, yet the results can be a life-saver in terms of improved asset management and reduced treatment and maintenance costs.

The basic CSSA kit includes the following parts listed with the option of a Microcor Flush Probe and Data Logger. Hub Tees and other parts listed below can be ordered separately to customize the CSSA by adding on additional measuring technologies or other process parameters.

Basic CSSA Kit includes

Part Number	Description	Quantity
001741	1-1/2" Hub Tee	4
001742	Hub Clamps	9
200743	Pressure Gauge 1/4" NPT	1
745013-4	Full Port Ball Valve 3/4" NPT	2
200024	Shut-off Needle Valve 3/4" NPT	1
001743	Hub 3/4" FNPT x 1" (required for T10 and Flush Probes)	2
001744	Hub 3/4" FNPT x 2" (required for T20 Probes)	1
001747	Hub Blank	1
001749	Hub Bio-probe (with 1 set of studs in carbon steel)	1
001751	Hex Nipple 3/4" x 1/2" NPT	2
001754	Hex Nipple 3/4" NPT	4
001755	Reducing Bushing 3/4" x 1/4" NPT	1
001756	Carrying Case	1
001757	EPDM O-ring Seal	9
001758	Viton O-ring Seal	9
001759	Filter 3/4" NPT	1
001760	Tee 3/4" NPT	2
001820	Quick Connector Set for Hoses (M&F set, 1/2" QC x 1/2" FNPT)	4
001763	Temperature Gauge, 3/4" NPT Male, Direct Mount-Bottom Entry	1
008194	Pipe Clamp	2
748572	Mounting Rail	2
005548	Mounting Rail Nut	4
001748	Hub Flush Disc Coupon Holder (including mounting kit)	1
741068	Risk Assessment	1
741053	Work Instruction	1
CI-D-G10180-0-3-0-0	Disc Coupon in Carbon Steel	2
Option	Microcor Flush (M2705) Probe	1
Option	Microcor Data Logger (MWT-3905-MDL-0), Checkmate-DL, & 745092	1



Basic parts of the CSSA
(not all parts listed are shown)

Ordering Information

Model	Description				
CSSA	Cosasco Sidestream Assembly				
	Code	Probe Type			
	2	Microcor M2705 (Flush) 20 mil thickness (10 mil useful probe life)			
		Code			
		Microcor Data Logger			
		0			
		1			
		MWT-3905-MDL-0, Checkmate-DL, & 745092 Probe Adapter			
CSSA	—	2	—	1	← Example

Replacement Parts/Additional Basic Parts

For replacement parts or to add on additional parts, reference CSSA Basic Parts list about the Part Numbers.

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