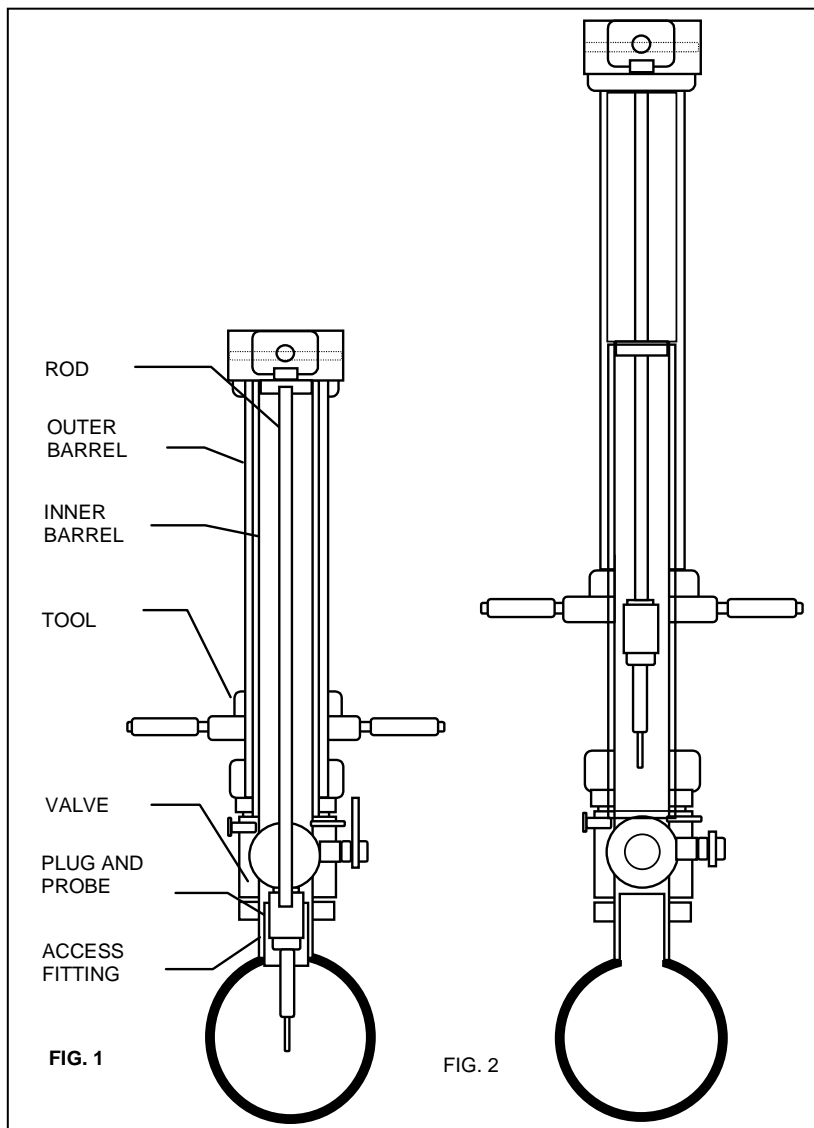


AC Series Tools & Accessories Retrievers & Service Valves



CMEF014.1

The on-line retrieval of coupons and replacement of probes is an important part of an effective corrosion monitoring programme on a process installation. High-pressure 2" access fittings (AC Series) are designed to provide this capability when using a retriever and service valve. Retriever tool kits are available with 3600 and 6000 psi pressure ratings and in a variety of lengths to suit the maximum holder size to be retrieved.



The tool consists of an inner and outer barrel with a central rod. The rod and outer barrel move together relative to the inner barrel on a set of pressure seals, in the manner of a telescope or hydraulic cylinder.

When the tool is in the collapsed position it is mated with the (open) service valve and an access fitting as shown in Fig.1. The rod is long enough to reach through the valve and engage the thread of the plug assembly in the fitting.

Rotating the rod backs off the plug, which may then be withdrawn by extending the tool. This action pulls the probe or coupon tip above the valve allowing it to be closed. (Fig.2).

Once the valve is closed the tool may be dismantled allowing the plug and attachment to be serviced. The reverse procedure allows re-installation.

The tool operates on a pressure balance principle ensuring that it extends and collapses in a safe

and easily controlled way. Balance is achieved with equalising valves and ports. Careful maintenance of the retriever tool and service valve is essential to achieve a long trouble free service life.

CORMON LTD
CORROSION
MONITORING
SYSTEMS

Unit 3 Robell Building
Chartwell Road
Lancing
West Sussex BN15 8TU
Phone: +44(0)1903 854854
Fax: +44(0)1903 854854
Email: sales@cormon.com
Website: www.cormon.com
BS EN ISO 9000:2000 Registered



Tools and valves are supplied with shipping cases and the necessary hand tools for operation. Replacement seal and repair kits are available as well as specialist tools for associated operations such as seat reamers, thread chasers, back-pressure pumps, diverter hoses and surge tubes.

Dimensional clearances are important. The lateral clearance is limited by the head bar rather than by the handles. The handle clearance diameter is 16" (410mm) but the head bar requires 24" (610mm) or 44" (1118mm) over a 90 degree arc (1/4 turn). The service valve clearance dimensions are 9" (229mm) height and 14" (340mm) diameter.

Nominal Stroke Length		Minimum Vertical Clearance		Maximum Usable Stroke		Maximum Holder Length		Tool Weight	
in	mm	in	mm	in	mm	in	mm	lbs.	kg.
14	356	50	1270	8	203	4.5	114	36	16
18	457	58	1437	12	305	8.5	216	40	18
25	660	73	1855	19	483	15.5	394	50	23
34	864	90	2286	28	711	24.5	600	59	27
42	1067	105	2667	36	914	32.5	835	68	31
50	1270	122	3099	44	1118	40.5	1029	74	34
54	1321	130	3315	48	1219	44.5	1130	80	36

Clearances include retriever and service valve – add height of fitting for clearance above line
Holder lengths include length of coupon

Product Code System

TAC					
Tools & Accessories AC Series	KR – Retrieval tool	18	18" Stroke	36 – 3600 psi	60 – 6000 psi
		26	26" Stroke		
		34	34" Stroke		
		42	42" Stroke		
		52	52" Stroke		
	KK – Spare part	RS	Retriever seal kit		
		RR	Retriever repair kit		
		VS	Service valve seal kit		
		VR	Service valve repair kit		

Kit of seals for routine maintenance order **SEAL KIT** For full overhaul order **REPAIR KIT**

TAC					
Tools & Accessories AC Series	KV Service valve	36	3600 psi		
		60	6000 psi		
	CT Tool	TC	Thread chaser		
		SR	Seat Reamer		
	CA Accessory	BP	Back pressure pump		
		DH	Diverter hose assembly		
		ST	Surge tube assembly		