

1.5 Two Inch System Retriever Unit

The Retriever and Service Valve permit safe and simple removal of the full range of retrievable monitoring probes, coupon holders and chemical injection whilst the pipeline or vessel is under operating pressure.

For ease of reference, the item to be retrieved is herein after referred to as the “device”.

The retrieval tool has been designed to operate on the principal of balancing the pressure acting on the internal surfaces of the tool so that no resultant force is applied to the retriever moving parts whilst the equipment is being operated.



Retriever tools are sized to accommodate different pipeline pressures and probe/device lengths. All the materials of construction comply with the requirements of NACE standard MR-01-75 (92).

Retriever and Service Valve Kits include a heavy duty carrying case, maintenance tools and spare seals. A comprehensive Operation and Maintenance Manual is also included. Seal and Repair Kits are available separately at a moderate cost.

Operator training is minimal and is easily achieved once the basic principles of operation are understood. Training courses are available both on-site and off-site as required.

250 bar and 400 bar retrievers are available, these both feature stainless steel outer barrels.

A light weight retriever option is also available. This features an Aluminium outer barrel and is rated at 100 bar.

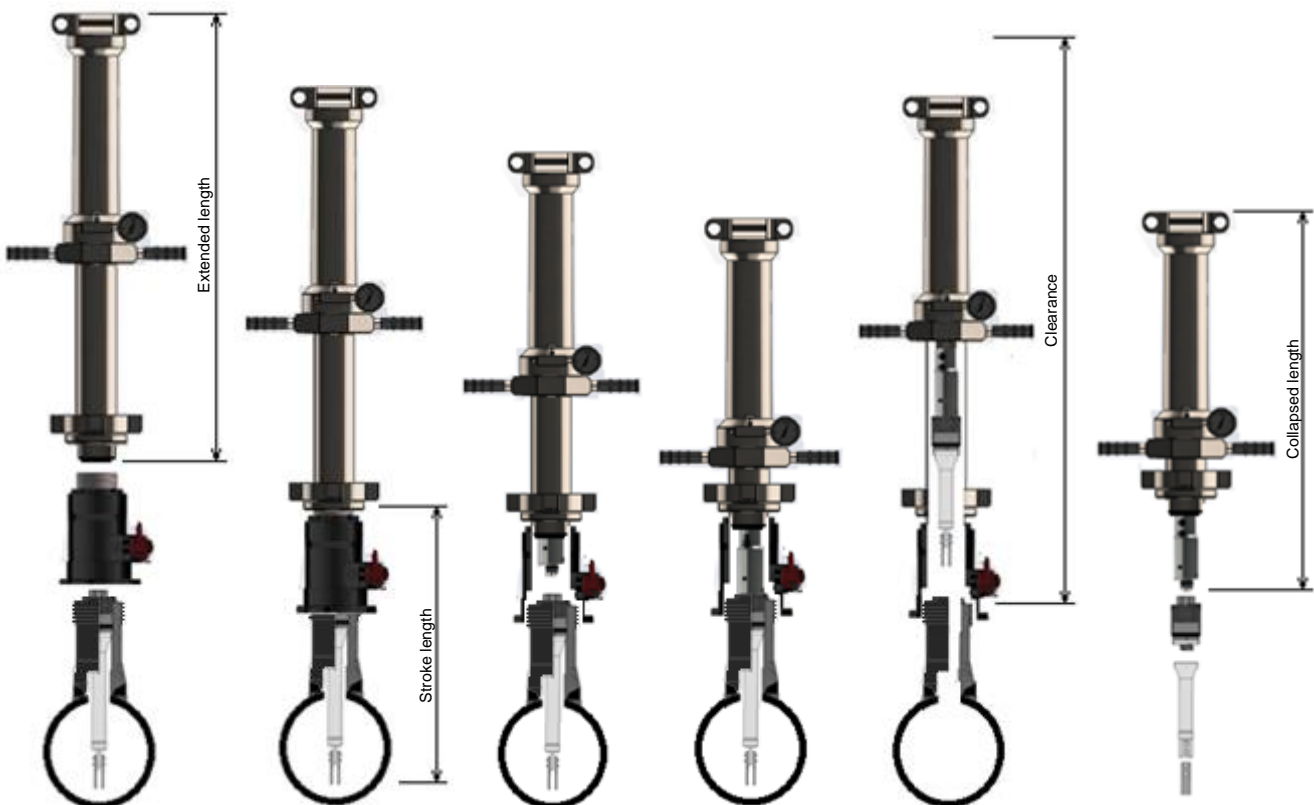


Figure A



1.5 Two Inch System Retriever Unit

How To Order

- 1) Retrievers are selected by the length of stroke required. The stroke is the distance the Plug Assembly and the device must travel from within the Access Fitting body, through the Service Valve allowing the valve to be closed.
- 2) From Figure A (page 1) and Table A (below) determine the Retriever stroke length required to retrieve the device. Please note that the maximum retrieval length varies depending upon whether the retriever is being used with a solid plug or a hollow plug. Also when calculating for injection / sampling / sand probe systems ensure to add the length of the associated nut to the quill / probe (device) length.

Table A Nominal Stroke	Stroke (mm)	Max. Length (mm)		Total Length (mm)		Removal Clearance	Product Code		
		With Solid Plug	With Hollow Plug	Collapsed	Extended		100 Bar	250 Bar	400 Bar
12"	305	76	51	496	804	1058		700631	
14"	355	127	102	546	905	1159		700599	
18"	457	228	203	648	1108	1362	700501	700601	700801
20"	508	278	254	699	1210	1464		700632	
25"	630	406	381	826	1463	1713	700502	700602	700802
32"	830	533	508	1003	1818	2069	700503	700603	700803
37"	940	711	685	1130	2073	2323	700504	700604	700804
40"	1016	838	813	1207	2226	2476		700597	
42"	1062	888	863	1257	2328	2578		700598	
49"	1224	1016	990	1435	2683	2937	700505	700605	700805
52"	1321	1091	1065	1511	2835	2957		700585	
62"	1530	1320	1295	1740	3292	3546	700506	700606	700806

These maximum lengths are only valid with 5.25 inch Flare-weld and Butt-weld Access Fittings. For maximum probe length with other Access Fitting configurations please contact our sales office.

Spare Parts & Tools			
Product Code	Description	Product Code	Description
700084	250bar Retriever Seal Kit	700674	Diverter Hose Assembly – 3M
700085	250bar Retriever Repair Kit	700676	Diverter Hose Assembly – 8M
700084 [400bar]	400 bar Retriever Seal Kit	700677	Diverter Hose Assembly – 15M
700085 [400bar]	400 bar Retriever Repair Kit	700678	Surge Tube Assembly
700047	Safety Hammer	700752	Field Operators Tool Kit
700066	Head Bar	700060	Retainer Clamp

Note: Please order 250bar seal kit and repair kit for use on 100 bar retriever.

Please see the service valve datasheet for detail on the service valves and their associated Product Codes.