

COSASCO® RSL RETRIEVER KIT

RSL

Features

- **Pressure Rating — Two models available:**
 - 2500 PSI (17.2 MPa)
 - 6000 PSI (41.3 MPa)
- **Temp. Rating — 15°F - 400°F (-26°C - 204°C)**
- **Back Pressure Pump can assist with pressure equalization**
- **Short length — Non-telescoping design**
- **Compatible with industry standard Cosasco Access Fittings**
- **Lightweight and easy to use**
- **Meets NACE MR0175 and MR0103**
- **Cosasco Systems Safety Awareness Training available**

The Cosasco RSL Retriever is a precision tool which allows safe, easy insertion and removal of various equipment and tools through a Cosasco Access Fitting, without de-pressurizing the pipeline or vessel. Used in conjunction with a Cosasco Service Valve, system pressure is safely ported into the tool which allows the valve to be opened and the retrieval operation to be performed. Rotation and translation in and out of the fitting is controlled by two adjustable handles. No movement or telescoping of the tool body is necessary, requiring less clearance area than standard retrievers. This tool can be used with the industry-standard Cosasco access fitting and service valves, with no adapters required.

The major components of the RSL Retriever are: a head assembly, rotation tube, translation tube, and socket adapter assembly. Sealing within the unit is achieved with Viton o-rings and graphite-impregnated Teflon dynamic seals.

This tool can be used with the industry-standard Cosasco access fitting and service valves, with no adapters required.



A bleed valve assembly with a conveniently located pressure gauge permits pressure entering the retriever to be easily read to verify pressure equalization has been achieved. Once the service valve has been closed and the retriever is isolated from the process pressure, the bleed valve then allows the product inside the retriever to be bled away for safety and cleanliness. It also can be used for product sampling and is required for use when back pressuring.

Access fittings located on bottom-of-the-line or near bottom-of-the-line positions may be packed with accumulated debris that can obstruct line pressure from passing into the retriever, thereby preventing pressure equalization. To ensure safe working practices, a Back Pressure Pump must be used with all Cosasco Retrievers when pressure equalization is not achieved by normal operating procedures. Pressure equalization is crucial to ensure safe removal of the plug assembly from the access fitting.

Each RSL Retriever Kit is furnished with service tools and spare parts in a sturdy field service box to provide compact, easy storage and portability.

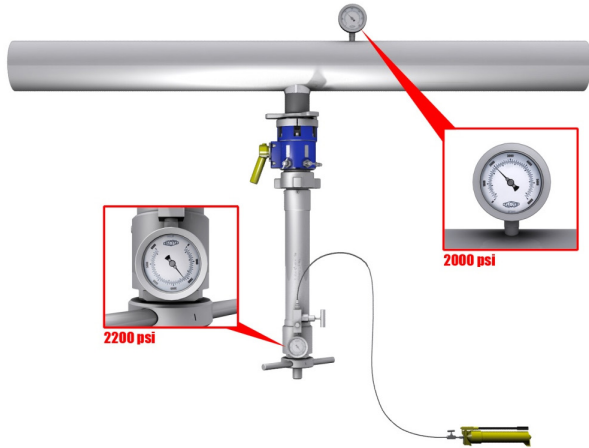


RSL Retriever Kit

Back Pressure Pump

“Back Pressuring” raises pressure inside the retriever to a level slightly higher than line pressure, thereby preventing a surge of pressure during plug removal, and also helps to loosen and repel any debris that may have accumulated in the access fitting.

Back pressure can easily be introduced into the retriever through either of the bleed ports on the retriever or service valve.



Small Capacity Pump

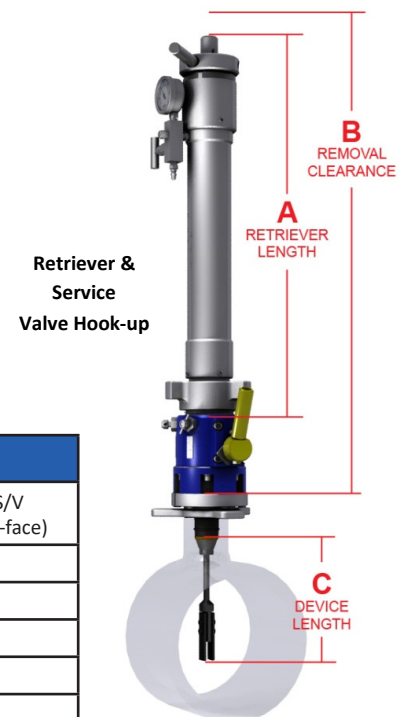


Large Capacity Pump

RSL Dimension & Weights

Description (See Illustration)		Stroke Length			
		14"	18"	25"	37"
A) Retriever Length		29.5"	33.50"	40.50"	52.50"
B) Removal Clearance	3600# S/V	37.75"	41.75"	48.75"	60.75"
	6000# S/V	40.75"	44.75"	51.75"	63.75"
	DBBV S/V (3600#)	41.25"	45.5"	52.25"	64.25"
Retriever Assembly Weight Lbs. (2500 psi rated retriever)		46	50	57	69
Retriever Assembly Weight Lbs. (6000 psi rated retriever)		50	55	63	76
Retriever Kit Weight Lbs. (2500 psi rated retriever)		90	95	110	125
Retriever Kit Weight Lbs. (6000 psi rated retriever)		95	100	116	132
Retriever Kit Volume (Cu. Ft.)		2.1	2.3	2.6	3.3

Stroke	Plug Type	C) Maximum Device Length			
		3600# S/A (7.06" face-to-face)	6000# S/A (10.00" face-to-face)	DBB 3600 S/V (10.25" face-to-face)	DBB 6000# S/V (11.25" face-to-face)
14"	Solid	5.50"	N/A	N/A	N/A
	Hollow	3.50"	N/A	N/A	N/A
18"	Solid	9.00"	6.00"	5.50"	4.50"
	Hollow	7.50"	4.50"	4.00"	3.00"
25"	Solid	16.00"	13.00"	12.50"	11.50"
	Hollow	14.50"	11.50"	11.00"	10.00"
37"	Solid	28.00"	25.00"	24.50"	23.50"
	Hollow	26.50"	23.50"	23.00"	22.00"



Retriever & Service Valve Hook-up

RSL Retriever Kit

How to Order

Sizing of retrievers is governed by the length of the stroke required. The stroke length required is based on the size of the service valve, and the size of the longest device that will be retrieved with the tool. Please see the above chart for the maximum device lengths for each stroke length tool, and order the smallest tool which will accommodate the largest device length.

The model RSL retriever is available with two pressure ratings: 2500 PSI or 6000 PSI. The lower pressure tool has the advantage of lighter weight

Ordering Information

Part Number	Description
RSL-XXXX-LL	Retriever Kit Consisting of:
600020-XXXX-LL	Retriever Assembly
610075	Rotation Handle
610076	Translation Handle
125102	Thread Chaser
125137	Brass Hammer
610058	Spacer
610072	Drive Pin
741013	Tool Kit
610081-L	Field Service Box

Optional & Spare Parts

127500	Socket Adapter Assembly
125137	Brass Hammer
123672	Surge Tube Assembly
124669	Diverter Hose Assembly - 10 ft.
741015	Repair Kit
741012	Seal Kit

Back Pressure Pump

Part Number	Description
203855	Small Capacity - Back Pressure Pump Kit includes: Portable Auto 2-Speed Hand Pump, 10 Ft. Diverter hose, 3/8" MNPT to 1/4" FNPT Reducer, 1/4" NPT x 1/4" NPT x 2" Nipple, and 1/4" NPT Needle Valve. For use with 14", 18", and 25" Retrievers.
027653	Large Capacity - Back Pressure Pump Kit includes: Portable Auto 2-Speed Hand Pump, 10 Ft. Diverter hose, 3/8" MNPT to 1/4" FNPT Reducer, 1/4" FNPT Quick Coupling, 1/4" NPT x 1/4" NPT x 1 1/2" Nipple, and 1/4" FNPT Needle Valve. For use for 37" or 49" Retrievers.

COSASCO Training

Cosasco Systems Safety Awareness Training is highly recommended for all users of Cosasco Retrievers and Services Valves. See Cosasco Systems Safety Awareness Training datasheet for more details or contact your nearest Cosasco office.

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