

BACK PRESSURE PUMP

Request A Quote

Features

- **Compatible with all Cosasco® Magnetic/RBS/RBSA/RSL/HRSL Retrievers**
- **Quickly and safely pressurizes retriever, equalizing pressure between line and tool to prevent pistoning**
- **Must be used with all Magnetic/ RBS/RBSA, RSL, and HRSL Retrievers on all locations**
- **Back Pressure to minimum of 10% above line pressure for retrieval**
- **Allows for final pressure test**
- **Back pressuring helps loosen accumulated debris from access fitting**
- **By-pass port back up**
- **Cosasco Systems Safety Awareness Training available**



To ensure safe working practices and in compliance with Cosasco work instructions, a Back Pressure Pump must be used with all Cosasco Retrievers to ensure pressure equalization has been achieved by normal operating procedures. Pressure equalization is crucial to prevent uncontrolled stroking, and to ensure safe removal of the plug assembly from the access fitting.

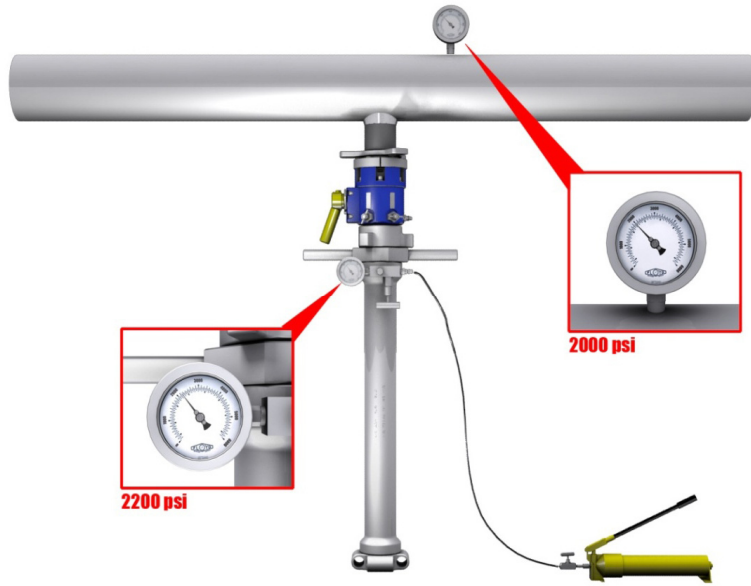
"Back Pressuring" pressurizes the retriever to a pressure slightly higher than the line pressure, thereby preventing a surge of pressure when the plug assembly is removed.

Back pressuring also helps to loosen and push back any debris that may have accumulated in the access fitting. Back pressuring the retrieval tool involves connecting a Back Pressure Pump by a hose to either the service valve bleed port or retrieval tool bleed port. The retrieval tool is then pressurized above pipe line pressure.

When the carrier plug is unscrewed the higher pressure in the retriever passes the carrier plug and will help push any debris back into the pipe. This in turn will help prevent debris fouling the carrier plug threads and damage to the retrieval tool.

COSASCO®

BACK PRESSURE PUMP



Small Capacity Pump



Large Capacity Pump

Back Pressure Pump shown connected to bleed port of the Retriever

Specifications

There are two pump options available. The small capacity tool has the capacity to hold enough oil/liquid to fill a 14", 18", or 25" retriever without having to refill. The large capacity tool has the capacity to hold enough oil/liquid to fill a 37" or 49" retriever without the need for refilling.

Pump Type	Usable Oil Capacity in3 (cm3)	Pressure Rating				Volume per Stroke in3 (cm3)		Retriever Length (inches)
		1st Stage		2nd Stage		1st Stage	2nd Stage	
		(psi)	(bar)	(psi)	(bar)			
Two-Speed Small Capacity P/N 203855	134 (2200)	490	34	10,000	700	1.00 (16.39)	0.15 (2.46)	14, 18, 25
Two-Speed Large Capacity P/N 027653	453 (7423)	200	14	10,000	700	7.69 (126.00)	0.29 (4.75)	37, 49

Ordering Information

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 with 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.

Cosasco

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