



Calder Testers

We don't just meet your needs, we exceed them.

Model 1700

Autofrettage Pump

High Pressure In-Line Check Valve

For Rapid Fill





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Calder Testers, Inc. has designed and manufactured a line of hydraulically operated Super Pressure Pumps and related fittings for pressures up to 180,000 psi. The pump systems are manufactured as single or double ended systems and come with an integrated control console.



The systems can be manually operated, semi-automated or fully automated with computer interface. When data storage is required we provide a Data Acquisition and Analysis System (DAAS). If more control is required we can provide our Data Acquisition and Control System (DACS) to monitor the test, control the pump cycles, determine the ramp rate and stop at the required pressure. Our standard Model 1700 High Pressure Pump discharges 1.2 cubic inches per stroke and the double ended pump systems have 2.4 cubic inches per cycle.



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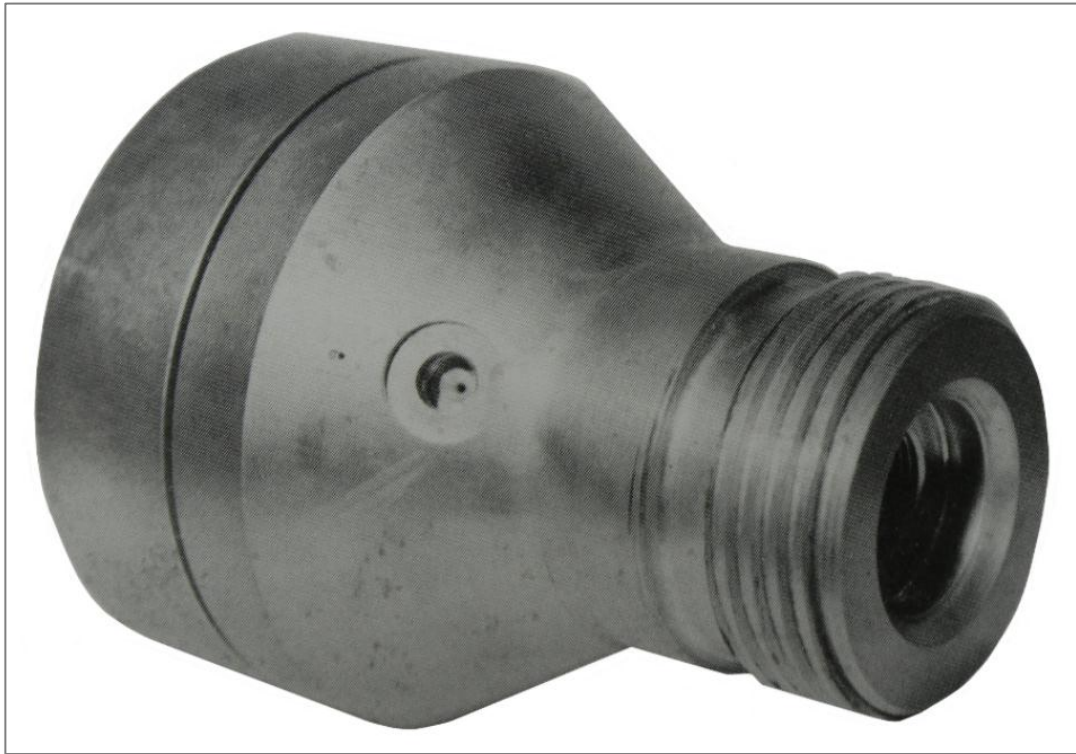
The In-Line Check Valve for rapid fill high pressure testing is designed for hydrostatic testing up to 60,000 psi. The high pressure medium can be introduced after initial hookup providing a fast, easy, safe way to test without breaking the connection



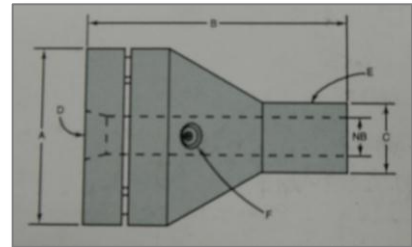


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OPTIONS: HIGH PRESSURE CONNECTIONS (F)			
Pressure	Tube O.D.xI.D.	Tune Thread	Gland Thread
10,000 psi	1/4" x .109"	1/4" - 28 L.H.	7/16" - 20
20,000 psi	3/8" x .203"	3/8" - 24 L.H.	9/16" - 18
30,000 psi	3/8" x .125"	3/8" - 24 L.H.	3/4" - 16
60,000 psi	9/16" x .188"	9/16" - 18 L.H.	1-1/8" - 12



END CONNECTIONS (E)
Graylock Hub
Hammer Union
Lens Ring Seal
Cone Ring Seal
Customer Special Seal

NB	A	B	C	END (D)
1/2"	4"	7-5/8"	1-1/2"	1/2" NPT
3/4"	4-3/16"	8"	1-7/8"	3/4" NPT
1"	5-7/16"	8-1/4"	2-5/8"	1" NPT
1-1/4"	5-7/8"	9-3/8"	3-1/4"	1-1/4" NPT

