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CR REX SERIES

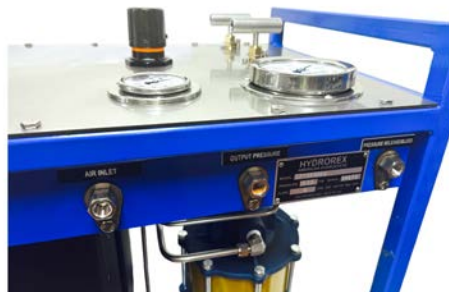
HYDROSTATIC UNIT

WITH CHART RECORDER

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www.hydrorex.com
www.pressureshop.com



CR REX SERIES

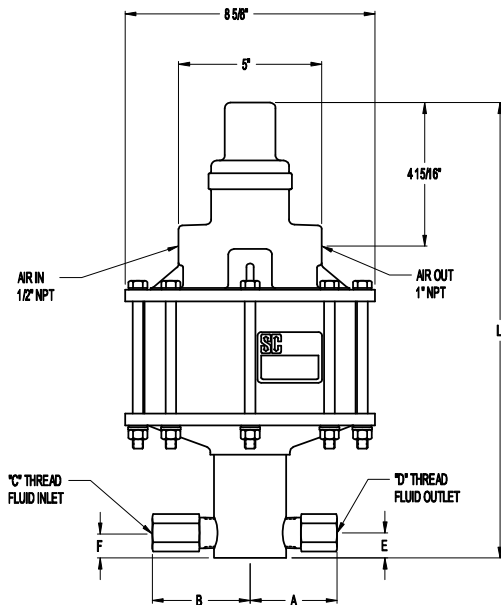
“With Chart Recorder” With the most common standard testing equipments. SC-Hydraulic Pumps, Barton / OGME chart recorder and parker / Superlok valves and fittings.

LOW, MEDIUM & HIGH PRESSURE: Is a pneumatic drive system, 12 models are available with pressures up to 30,000 psig. ideal for testing in small confined spaces and remote locations. Designed for liquids pressure on all industries including Oil & Gas for use with any liquid such water, glycol, hydraulic, oils and more.

Made in USA with highest quality components for low operational cost.

When operating from 0 to rated hydraulic pressure, air consumption will be approximately 18-56 scfm of free air at 100 psi output. At lower air pressures and higher hydraulic pressures air consumption will be reduced proportionately to flow rates indicated.

The CR-REX Series "Dry Lube" pump does not require an air line lubricator



For pressure, flow rates and ports size for each model, please download the model datasheet below the product on the web www.hydrorex.com

Components: USA Brands, Parker, Swagelok, SC Hydraulic, OGME & Barton

- Structure: Heavy duty 1" Square tubing carbon steel
- Heavy Duty USA Standard Housing Chart Recorder
- All Stainless steel, valves, tubing, fittings & hardware
- Requires 80 – 100 psi air pressure to operate

Dimensions: 22" Length, 26" High, 18" Width

Weight: 90 Lbs

Shipping Wood Crate Dimensions: 30"L x 30" H x 24" W

Shipping Weight: 150 Lbs

HS Code: 8413.50.5000



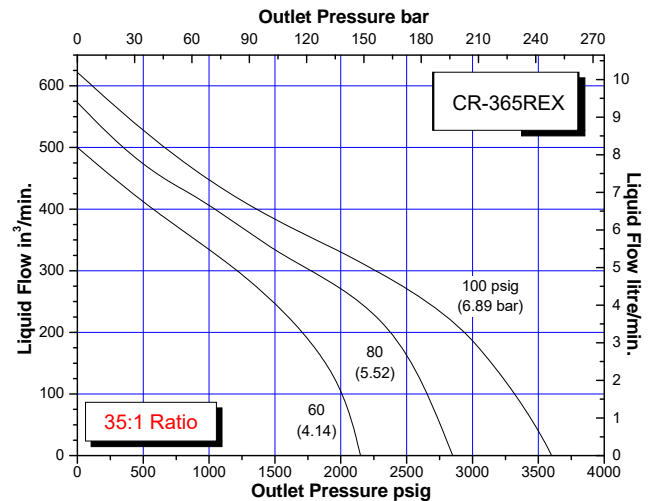
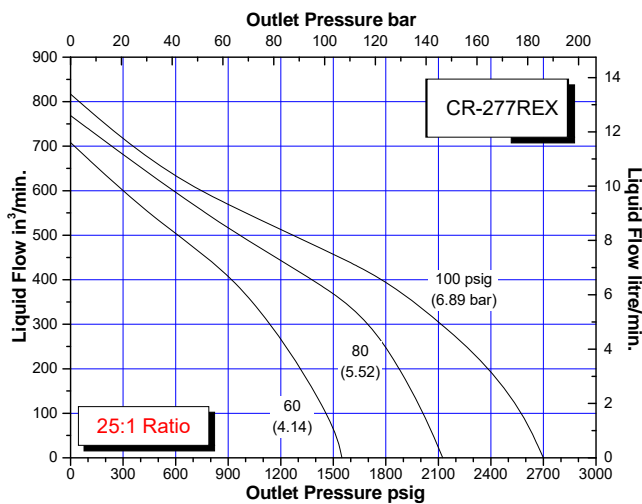
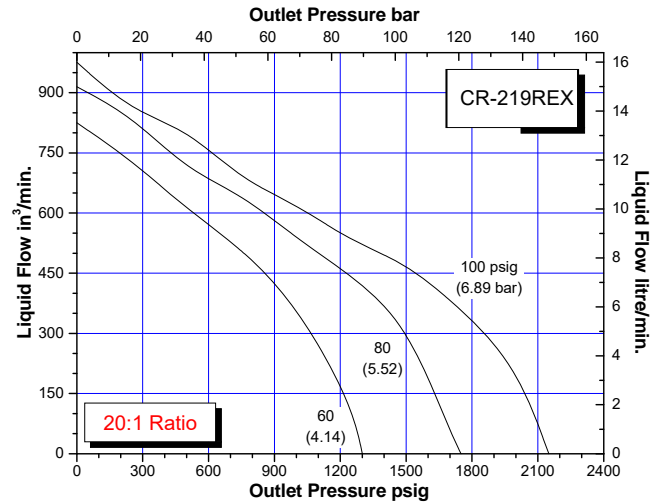
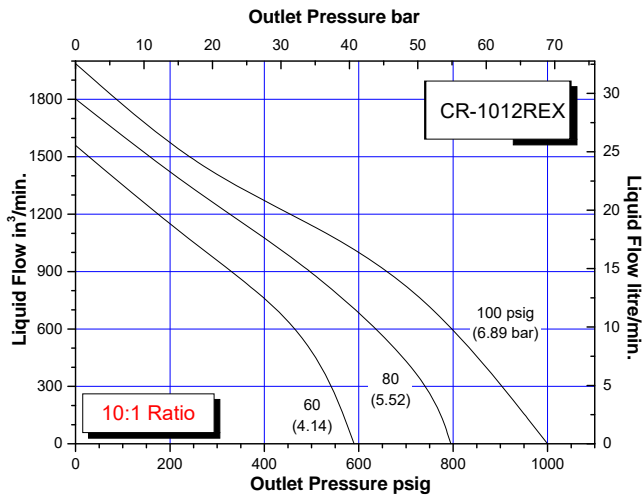
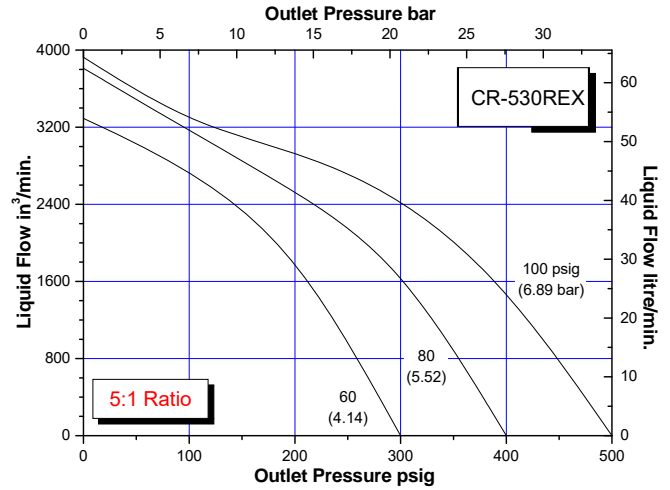
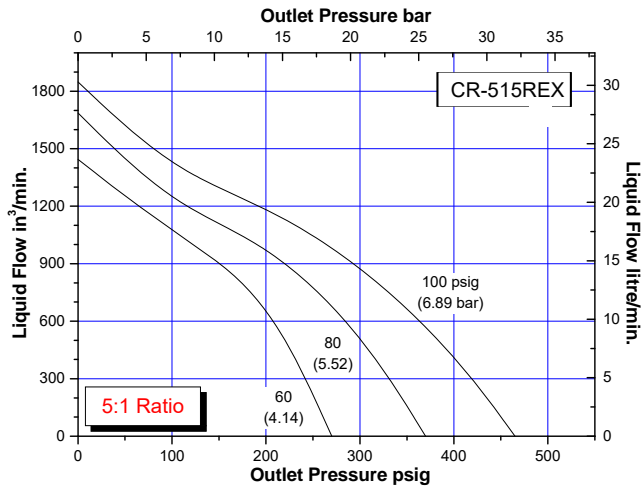
Measurements & Approximate Air to Hydraulic Pressure

Pressure Ratio	CR Series Model	Hydraulic Piston Diameter (in)	Hydraulic Piston Area (in ²)	Volume per Stroke (in ³)	Air Pressure (PSI)									
					10	20	30	40	50	60	70	80	90	100
5	CR-515	2.375	4.430	5.540	30	75	130	175	220	270	320	370	415	500
5	CR-530	3.00	7.070	17.70	50	100	150	200	250	300	350	400	450	500
10	CR-1012	2.125	3.560	8.900	85	185	285	390	490	590	690	795	900	1000
20	CR-219	1.438	1.620	4.050	165	425	650	875	1075	1300	1550	1750	1950	2150
25	CR-277	1.315	1.350	3.380	180	450	725	1000	1300	1550	1850	2125	2400	2700
35	CR-365	1.125	0.994	2.490	250	625	1025	1400	1800	2150	2500	2850	3250	3600
55	CR-603	0.875	0.601	1.500	450	1050	1700	2275	2900	3500	4100	4650	5200	6000
95	CR-982	0.688	0.371	0.928	750	1750	2800	3700	4750	5900	6875	7700	8750	9700
145	CR-151	0.563	0.249	0.623	1100	2600	4200	5550	7100	8500	10000	11500	12950	14400
180	CR-181	0.500	0.196	0.490	1500	3200	5200	7100	9000	10800	12500	14500	16300	18000
240	CR-201	0.438	0.150	0.375	1900	4400	6900	9100	11600	14000	15400	17800	19300	20000
240	CR-241	0.438	0.150	0.375	1900	4400	6900	9100	11600	14000	16400	18800	21300	23700
330 **	CR-326 **	0.375	0.110	0.275	3000	6000	9500	12600	16000	19100	22300	25600	29000	32300



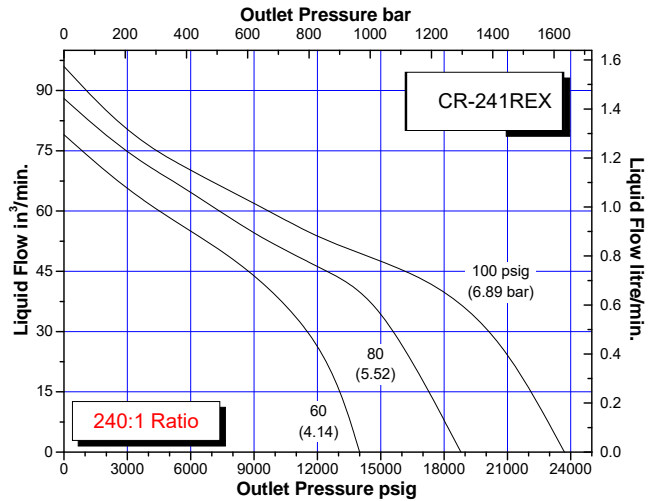
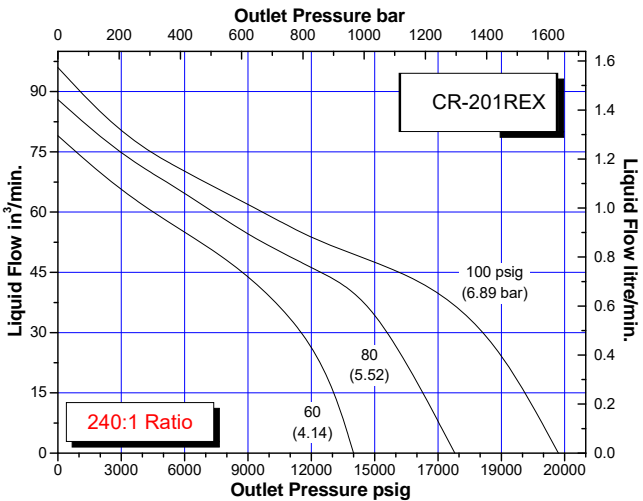
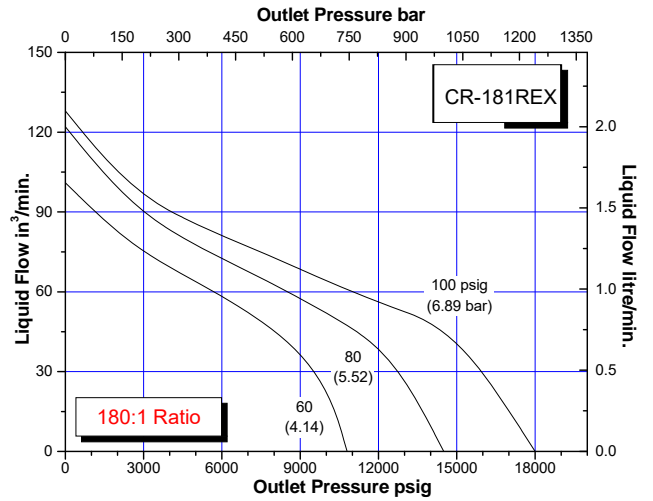
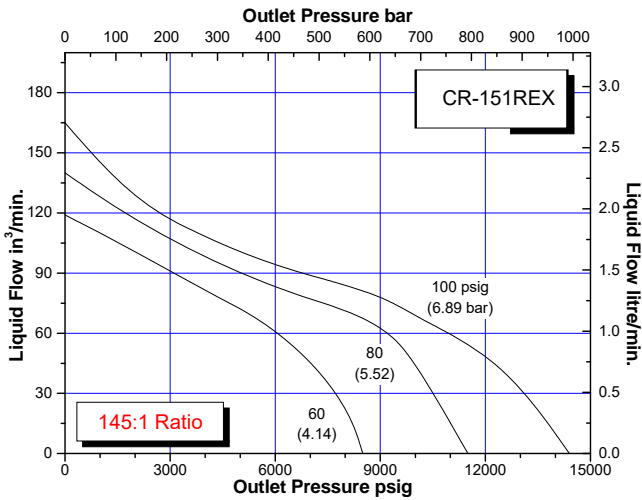
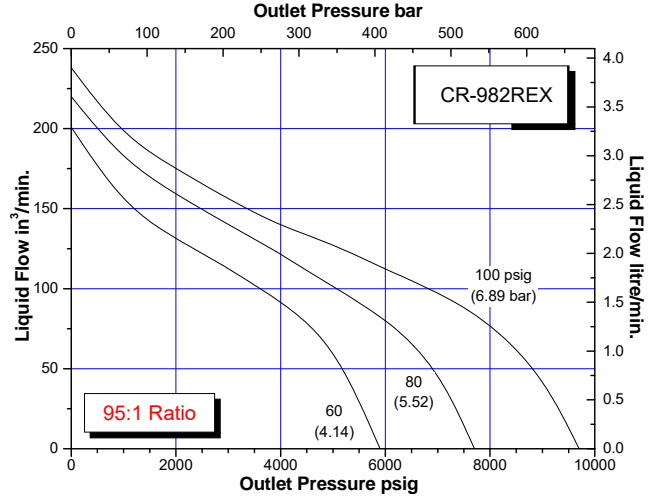
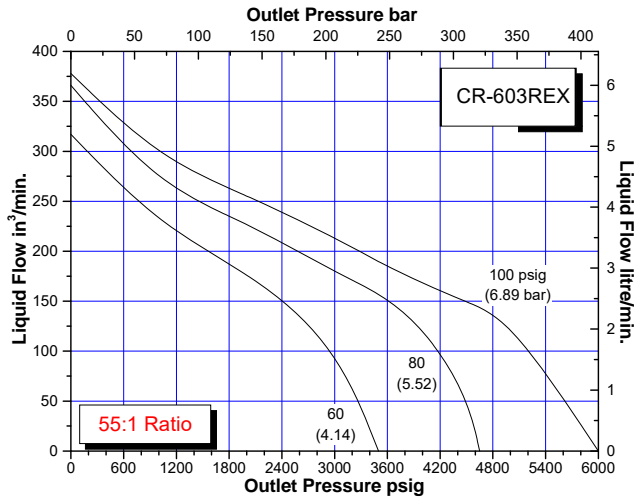
CR REX SERIES

APPROXIMATE RATE OF DISCHARGE



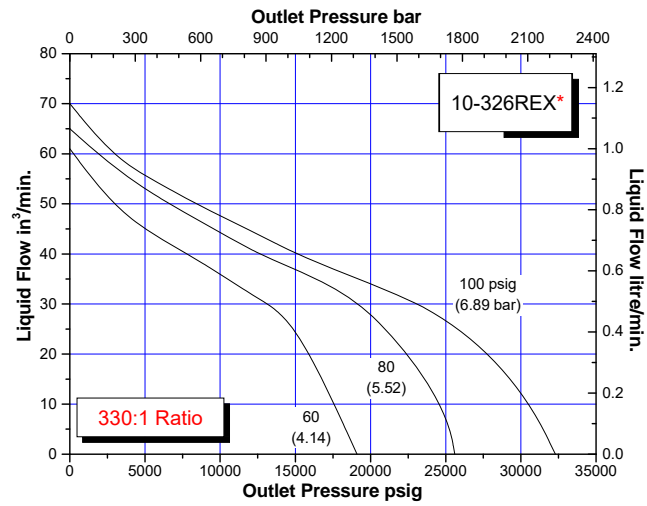
CR REX SERIES

APPROXIMATE RATE OF DISCHARGE



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APPROXIMATE RATE OF DISCHARGE



CR-REX Series



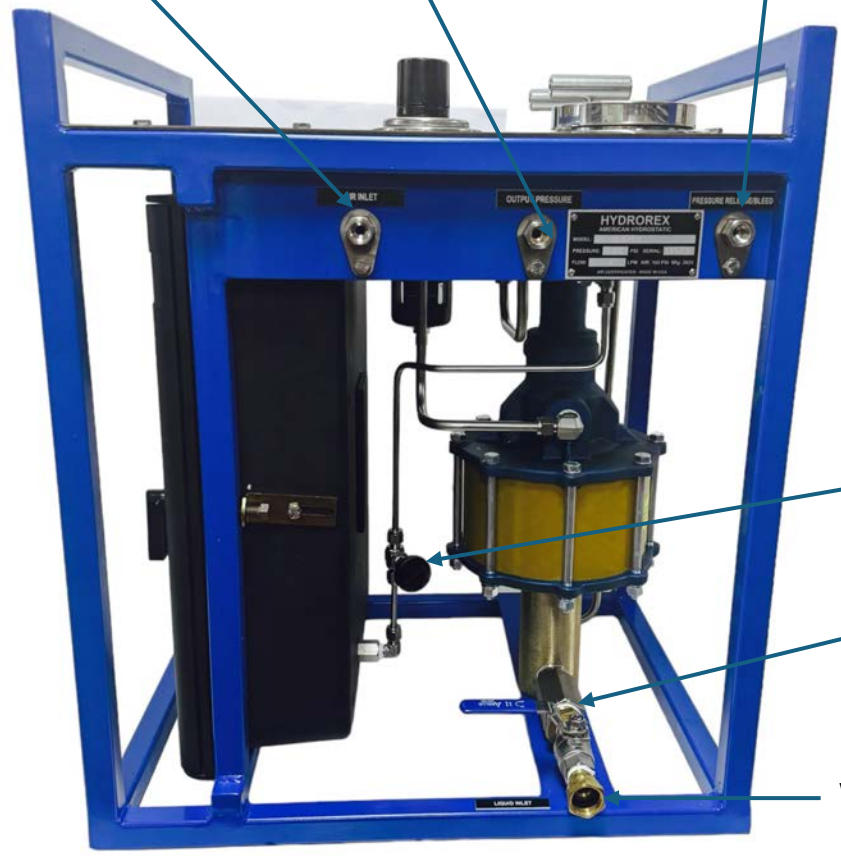
Recorder

12" Circular, Battery, Aluminum Housing, USA Made. Pressure & Temperature.

Air Inlet Port
1/2" female NPT

Output Pressure

Bleed Port



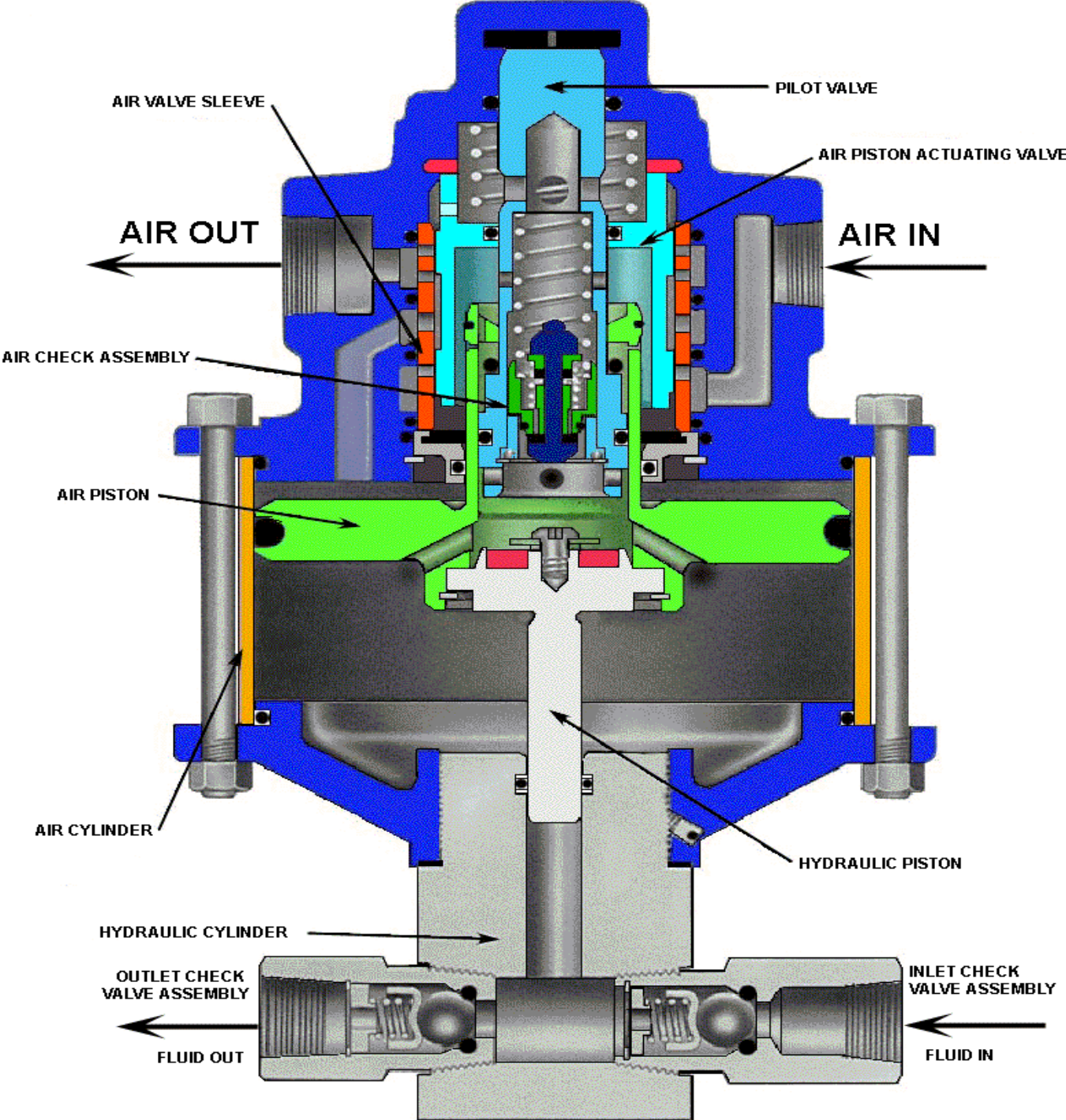
Recorder Valve

Liquid Valve

Water Hose Adapter

AIR INLET, OUTPUT PRESSURE, PRESSURE REGULATED, HYDROREX, PRESSURE RELEASE, LIQUID INLET

Liquid Pump Cut-a-way



MANUFACTURER'S OPERATING INSTRUCTIONS

SERIES

• Serie CR-REX

PNEUMATIC HYDROSTATIC TEST PUMPS

Prior to testing any high pressure line, please check all connections, hoses and fittings to assure that they are properly tightened and in good working order. No frays, tears, or cuts.
REQUIRED: Air compressor capable of 80-100 PSI.

Liquids: Water, Hydraulic, Oils, Glycol and many more.



CONNECTING THE PUMP

1. Connect the output pressure hose provided. Position the Test Pump within 8 feet of test environment.
2. Connect the air line from the compressor to the inlet port on the combination regulator/air filter.

NOTE: AIR FILTER SHOULD BE DRAINED OF ANY WATER OR DIRT PARTICLES BEFORE, AND AFTER USE. Drain valve is located on the bottom of the filter body.

OPERATING THE PUMP

1. Open your liquid inlet ball valve
2. Open the return/bleed valve on the unit and or your test line to bleed off excess air.
3. If the application of your test requires pressure recorder then turn on the chart recorder in the knob located inside the housing and integrate the circular paper and keep the pen activated
4. Start the your air shop compressor.
5. Once the compressor has reached operating pressure 100 psi (This will give maximum operating output) open the air ball valve on unit slowly, which will allow the air to flow to the regulator.
6. Adjust the air regulator, Pull up on the black knob and turn clockwise to increase pressure, or counter-clockwise to decrease pressure. Once the inlet air pressure is set, push down on the knob to lock it in place.
7. Start turning regulator clockwise, pressure will begin building as soon as air flows and you will notice the pressure reflecting on the pressure gauge and pressure chart recorder immediately. When desired test pressure has been met, close the outlet needle valve to isolate test environment. To turn off pump while testing, turn regulator counter clockwise and decrease or stop air flow, or disconnect air compressor supply. If a pressure drop is indicated, check the following:
 - a. Output hose connection at pump.
 - b. Output hose connection at test line.
 - c. Leaking test line or air in the test environment.
7. When you are done with the hydrostatic pressure test run, release the pressure open slowly the needle valve on unit (pressure release).

If the pressure gauge remains constant, turn off air ball valve and monitor gauge for your prescribed test time. When test is complete, open the high pressure return/bleeder valve located on control panel, Bleed off the liquid pressure. Repeat the above steps for multiple lines. Be sure the air pressure gauge reads zero before disconnecting the air line from the pump.

LIMITED WARRANTY



6 MONTHS

HYDROREX LLC manufactured products are warranted free of original defects in material and workmanship for a period of one 6 months from date of purchase to first user. This warranty does not include packing, seals or failures caused by lack of proper maintenance, incompatible fluids, foreign materials in the air media, in the fluid media or application of pressures beyond catalog ratings. Products believed to be originally defective may be returned, freight prepaid, for repair and/or replacement to the distributor, authorized service representative or to the factory. If upon inspection by the factory or authorized service representative and the problem is found to be originally defective material or workmanship, repair or replacement will be made at no charge for labor and materials, F.O.B. the point of repair or replacement. Permission to return under warranty should be requested prior to shipment. A Return Material Authorization Number (RMA), the original purchase date, purchase order number, serial number, model number, reason for return or other pertinent data to establish warranty claim must be included in the documentation to expedite the return or replacement to the owner.

If the unit has been disassembled, misused, or altered without prior written authorization, warranty is void. If it has been improperly reassembled or substitute parts have been used in place of factory manufactured parts, warranty is void.

Any modification to any HYDROREX product which you have made or may make in the future will void warranty. HYDROREX disclaims any and all liability obligation, or responsibility for the modified product, and for any claims, demands or causes of action for damage or for personal injuries resulting from the modification and/or use of such a modified HYDROREX product.

HYDROREX obligation with respect to its products shall be limited to replacement, and in no event shall HYDROREX be liable for any loss or damage, consequential or special, of whatever kind or nature, or any other expense which may arise in connection with or as a result of such products or the use or incorporation thereof in a job. This warranty is expressly made in lieu of all other warranties of merchantability and fitness for a particular purpose. No express warranty and no implied warranties whether of merchantability or fitness for a particular purpose or otherwise, other than those expressly set forth above, shall apply to HYDROREX products.