The **Model HP-6000-RV** is designed to test Safety Relief Valves with air and water up to 4500 PSI. The tester is equipped with a 100-ton clamping fixture capable of clamping 2” to 12” flanged valves, and 1/2” to 2” NPT valves.

**Standard features include:**
- 100-ton clamping fixture with four arms
- 5000 PSI air compressor built in with two 10-gallon DOT tanks rated at 4500 PSI
- 10-gallon air surge tank, ASME 5000 PSI
- 10-gallon water surge tank, ASME 5000 PSI
- 1 1/2” 6000 PSI ball valve with actuator
- Control console cabinet, powder coated
- 6” dial gauges 0.5% accuracy full scale with red hand maximum pressure pointer.
- Digital Gauge for Data Acquisition with RS-232 output signal
- Data Acquisition System with PC, flat screen, keyboard, mouse and printer
- Data Acquisition Software and cables
Data Acquisition
The set (popping) pressure, re-seat pressure, valve model and serial number, size can be displayed along with other data such as technician name, and date. Data is displayed on the flat screen monitor of the computer, and can be saved in the system as well as printed with the ink jet printer installed.

High Pressure Air Compressor
- 220/440 Volts AC 50/60 Hz 3 Phase
- 5000 PSI Maximum Pressure
- 9.0 CFM Flow Rate
- Automatic Drain Valves with Timer
- Motor Starter & Controller
- Available with explosion proof motor
- Repair Kits & Extra oil optional

Optional Accessories
- Muffler Assembly (MF-SERIES)
- Spare Parts Kit
- Sea Worthy Shipping Container
- On-site training at customer’s facility
- Free In-House training at @ Barbee’s facility in San Diego, California

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MODEL HP-6000-RV SHOWN WITH OPTIONAL MODEL MF MUFFLER ASSEMBLY. MUFFLER CAN BE USED WHEN TESTING VALVES WITH AIR OR WATER. ON MOST VALVES MUFFLER CUTS DOWN AIR NOISE APPROXIMATELY 15-20 DECIBELS.
MODEL HP-6000-RV SPECIFICATIONS

TEST COMPONENTS:
Flanged and threaded relief valves from 1/2” to 2” NPT, 2” to 12” flanged.

TEST PRESSURE:
0-4500 PSI air & water, 6000 PSI HYDRO

CLAMPING FIXTURES:
4-arm hydraulic clamping fixture (3-arm optional), 100-ton maximum clamping force, adjustable.

AIR TANKS: 10 gal. ASME water air surge tanks 5000 PSI, 10 gallon DOT 4500 PSI air storage tanks (2 each)

DATA ACQUISITION:
PC, flat screen, keyboard, mouse, printer, software and hardware included. Digital gauge, panel mounted with RS-232 port.

HYDROSTATIC SYSTEM

HYDRO PUMP: Air-operated 0-6000 PSI for seat testing, adjustable pressures.

GAUGES: 6” dial panel-mounted gauges, 0.5% accuracy full scale, max pressure pointer, and gauge savers.

COMPONENTS: All high-pressure valves, fittings and tubing stainless steel. All gauges, valves and controls panel-mounted for ergonomic controls.

SAFETY FEATURES:
A hydraulic safety interlock valve is installed in the circuit to prevent accidental release of clamping pressure unless the test pressure is vented. Safety Lexan® shield included to protect operator during tests.

<table>
<thead>
<tr>
<th>VALVE SIZES</th>
<th>VALVE SIZE</th>
<th>MAXIMUM TEST (BAR)</th>
<th>MAXIMUM TEST (PSI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANSI CLASS</td>
<td>1/2” -4”</td>
<td>15-100 MM</td>
<td>400 BAR</td>
</tr>
<tr>
<td></td>
<td>5”-6”</td>
<td>125-150 MM</td>
<td>300 BAR</td>
</tr>
<tr>
<td></td>
<td>8”-10”</td>
<td>200-250 MM</td>
<td>150 BAR</td>
</tr>
<tr>
<td></td>
<td>12”</td>
<td>300 MM</td>
<td>80 BAR</td>
</tr>
</tbody>
</table>

DIMENSIONS: 145” L X 50” W X 68” H, APPROXIMATE WEIGHT: 5500 LBS. WITH HEAVY-DUTY EPOXY COATED PLATFORM WITH LIFTING EYE LUGS.

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