HIGH PRESSURE FILLS FROM MEDIUM PRESSURE SYSTEM

- Provides 2,500 psi up to 4,400 psi scuba tank fills to satisfy the busiest dive shop.

- Boosts medium pressure storage air straight into dive tanks to requested higher pressures rapidly.

MEDIUM PRESSURE COMPRESSOR SYSTEM BENEFITS:

- Cooler operation to extend time between overhauls by thousands of hours regardless of compressor nameplate rating.

- Lower cost storage cylinders, purifier units, compressors, motors and piping.

TYPICAL FILL TIMES - MODEL 28153

<table>
<thead>
<tr>
<th>FROM PRESSURE IN STORAGE (AFTER EQUALIZING IN DIVE TANK)</th>
<th>TO NOMINAL TANK SIZE AND PRESSURE</th>
</tr>
</thead>
<tbody>
<tr>
<td>83 Cu. Ft. to 3,000 psi</td>
<td>71.2 Cu. Ft. to 2,475 psi</td>
</tr>
<tr>
<td>71.2 Cu. Ft. to 2,200 psi</td>
<td>80 Cu. Ft. to 4,400 psi</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pressure</th>
<th>2,500 psi</th>
<th>2,250 psi</th>
<th>2,000 psi</th>
<th>1,500 psi</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fill Time</td>
<td>12 sec</td>
<td>28 sec</td>
<td>39 sec</td>
<td>75 sec</td>
</tr>
</tbody>
</table>

ONLY 2 SIMPLE CONNECTIONS NEEDED:

37° MALE FLARE, 9/16-18 THREAD FOR 3/8° O.D. TUBE
(MAY BE REDUCED TO 1/4'). ALTERNATE AIR DRIVE: 1/2° NPT.

SIZE 15' X 15' X 20
WEIGHT: 50 lbs. (Approx.)

Complete power pressure directly from and safety controls provide existing air storage.

Positive maximum pressure setting adjustment 700 to 5,000 psi range with independent safety relief valve.

With a Model 28153 ScubAmp, existing air compressor systems can stay within their 2,000-2,500 psi. New systems can be set back to medium pressure.
SPECIFICATIONS

- **BOOSTER**: Sir driven, balanced opposed double acting piston type.
- **HIGH PRESSURE SECTION**: Non-Lube, contaminant free, triple sealed and vented from air drive section.
  - Materials: Stainless steel.
- **DRIVE SECTION**: Silicone lubed at assembly, corrosion resistant, exhaust muffler.
- **STANDARD CONTROLS**: All pneumatic. Automatic stop at adjusted maximum pressure, plus independent manual stop.
- **SCUBAMP** valve and high pressure safety relief valve. Optional controls (extra cost): Remote on-off: automatic start after equalizing.
- **GAUGES**: Input pressure (from storage): 0 - 3000 psi. Drive Pressure: 0 - 3000 psi.
- **AIR POWER CONSUMPTION**: From approximately 1/3 cu. ft. @ 2,200 psi boost - for each cu. ft. of air boosted.
- **MAXIMUM OUTPUT FLOW**: 70 scfm (nominal @ 2500 psi input, 3000 output).
- **COOLING**: With air exhaust, integral, fully jacketed.
- **NOISE**: 80 Db range pulses, depending on working pressure (measured at 30 inches from booster).
- **MAINTENANCE**: Simple seal kit replacement (rarely required).

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