Air Powered Airless Sprayers

Proven Performers for any Job!

- Choose from three major classes of air powered airless sprayers
- Models for virtually any application, including architectural, finishing, commercial maintenance, corrosion control, seal applied coating, waterproofing and marine protective coatings
- Pumps are designed for easy application of today’s low-VOC, high solids and abrasive coatings.
- Patented designs for tough-to-spray, high solids, water-based inorganic zincs
- Specialized pumps available for appropiated coatings, air-assisted urethane, adhesive etc.
- Pressures from 3000 to 6000 psi (207 to 414 bar)
- Flow rates from 2 to 6 gpm (7.6 to 22.7 lpm)
- Famed Speeflo Severe Service™ paint pumps and high efficiency air motors are standard on all models

Severe Service™

- Tungsten carbide valve seats with hardened stainless steel check balls prevent fluid cutting and resist plugging
- Long-Life Packings
  - Self-adjusting, pressure compensated spring loaded packings ensure proper seal and long life
  - Standard packing sets of leather and UHMWPE* provide the industry’s longest packing life
  - Alternate packing materials are available for specialized applications
  - *Ultra high molecular weight polyethylene

High Efficiency

- Maximum output per cubic foot of air input
- More work with less air than competitive air motors

No Motor Icing

- Endless operation without icing even at high cycle rates
- Reinforced tanking and enhanced cooling

Balanced Equal Displacement

- Optimal power to volume ratio gives constant spray pattern at gun without surge

Maximum Durability

- Motor surfaces are hard tempered steel or hard coat anodized aluminum
- Loadbearing parts are heat treated for long life

Diverter Design

- Spray the hardest materials without the possibility of air motor contamination

Simple Spool Valve Design

- Single flow control panel
- Quick, positive motor reversal
- Simple maintenance and service

General Specifications – Speeflo Air Motors

<table>
<thead>
<tr>
<th>Series</th>
<th>Diameter</th>
<th>Effective Area</th>
<th>Nominal Stroke Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>Commander™</td>
<td>1 3/8&quot;</td>
<td>44.0 in² (284 cm²)</td>
<td>4.0&quot; (101.6 mm)</td>
</tr>
<tr>
<td>Admiral™</td>
<td>1 1/2&quot;</td>
<td>56.0 in² (361.3 cm²)</td>
<td>4.0&quot; (101.6 mm)</td>
</tr>
</tbody>
</table>

* Some models use inlet filters instead of outlet filters.
PowrTwin™ 8900  
2.25 gpm, 3300 psi, 6.5 hp (8.5 lpm, 228 BAR)
- One gun to .022” tip, two guns to .052” tips, three guns to .043” tips.
- High production unit for heavy protective coatings such as high builds, high solids coatings, cold applied roofing and mastic.
- 830-451 Heavy duty cart mount with 30 mesh inlet strainer and 1/2” outlet manifold.
- 830-351 Wall mount with 50 mesh outlet manifold filter.

Admiral 30:1  
6 GPM, 3000 PSI (22.7 LPM, 207 BAR)
- One gun to .037” tip, two guns to .041” tips, three guns to .035” tips.
- High production unit for heavy viscosity materials such as coal tar, high solids epoxies, high build tank linings, and below grade waterproofing.
- Extra pressure capability for hard to atomize coatings or long hoses.
- 941-441 Heavy duty cart mount with 50 mesh outlet manifold filter.

Admiral 60:1  
2.6 GPM, 6000 PSI (9.8 LPM, 414 BAR)
- One gun to .047” tip, two guns to .031” tips, three guns to .027” tips.
- Extra high pressure unit for heavy coatings including high builds, high solids, coatings, cold applied roofing and mastic.
- Great for towers and extra long hoses or for use at lower airless pressures with only 50 psi (3.4 bar) of inbound air – the most efficient level for an air compressor.
- 860-451 Heavy duty cart mount with 30 mesh inlet strainer and 3/8” outlet manifold.
- 860-461 Heavy duty cart mount with 50 mesh outlet manifold filter.

Best Selling Gas Powered Sprayer in History

Specifications

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Admiral 30:1</th>
<th>40:1</th>
<th>60:1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Delivery (gpm)</td>
<td>6.0</td>
<td>4.0</td>
<td>2.6</td>
</tr>
<tr>
<td>Delivery (lpm)</td>
<td>22.7</td>
<td>15.1</td>
<td>10.1</td>
</tr>
<tr>
<td>Cycle Rate (psi)</td>
<td>3.4</td>
<td>5.3</td>
<td>7.9</td>
</tr>
<tr>
<td>Maximum Tip Size (2000 psi)</td>
<td>.031”</td>
<td>.041”</td>
<td>.043”</td>
</tr>
<tr>
<td>Pressure Ratio</td>
<td>3.00</td>
<td>4000</td>
<td>6000</td>
</tr>
<tr>
<td>Fluid Outlet</td>
<td>3/4” NPT(F)</td>
<td>1/2” NPT(F)</td>
<td>1/2” NPT(F)</td>
</tr>
<tr>
<td>Hose Connection</td>
<td>3/8” NPT(M)</td>
<td>1/4” NPSM(M)</td>
<td>3/8” NPSM(M)</td>
</tr>
</tbody>
</table>

Approximate Air Requirement per Gallon

<table>
<thead>
<tr>
<th>Type</th>
<th>Delivery</th>
<th>Entrance</th>
<th>Exit</th>
</tr>
</thead>
<tbody>
<tr>
<td>830-451</td>
<td>20 SCFM</td>
<td>1.27m3/min</td>
<td>1.50m3/min</td>
</tr>
<tr>
<td>830-351</td>
<td>45 SCFM</td>
<td>3.87m3/min</td>
<td>4.50m3/min</td>
</tr>
</tbody>
</table>

Spare Kits/Accessories

- Pump Kit w/Leather & UHMWPE Packings* 245-050 185-050 155-055
- Pump Kit w/Leather Packings 245-051 185-051 155-051
- Pump Kit w/Teflon Packings 245-052 - -
- Air Motor Kit 850-050 850-050 850-050
- Siphon Hose for 55-Gal (200 Liter) Drum 103-811 103-808 103-808

A Tough Pump for Today’s Tough Coatings!

Gas Powered

Hydra Pro IV™

2.3 gpm, 3300 psi, 8 hp (8.5 lpm, 228 BAR)
- High production unit with extra pressure for hard to atomize coatings such as bonding cements for single membrane roofing
- The gas powered equivalent of the Commander 45:1

Hydra Pro™ Super

2.5 gpm, 4500 psi, 12 hp (9.5 lpm, 310 BAR)
- High production unit with extra pressure for hard to atomize coatings such as bonding cements for single membrane roofing
- The gas powered equivalent of the Admiral 40:1
- Available with siphon hose or 55 gallon immersion remote

Hydra M™ 4000

3.3 gpm, 4000 psi, 13 hp (12.5 lpm, 276 BAR)
- High production unit for very high viscosity materials. Extra pressure for hard to atomize coatings or long hoses
- The gas powered equivalent of the Admiral 60:1
- Available with siphon hose or 55 gallon immersion remote

Hydra M™ 2000

6 gpm, 2000 psi, 13 hp (22.7 lpm, 138 BAR)
- High production roof coating sprayer
- Available with siphon or 55 gallon immersion remote
### Commander™

**When Reliability Counts!**

**Commander 45:1**
- 2.6 GPM, 4500 PSI (9.8 LPM, 315 BAR)
  - One gun to .047" tip, two guns to .001" tips.
  - Medium production unit with extra pressure for hard to atomize coatings such as sprayable mastics, urethanes, and bonding cements.

**Commander 60:1**
- 2 GPM, 6000 PSI (7.6 LPM, 414 BAR)
  - One gun to .043" tip, two guns to .009" tips.
  - Medium production unit for architectural and protective coatings.
  - Extra high pressure capability for hard to atomize coatings or extra long hoses. Pump can also be used at lower airless pressures (3000 psi/207bar) with only 50 psi (3.4 bar) of inbound air – the most efficient level for an air compressor.

### Performance Specifications

<table>
<thead>
<tr>
<th>Specifications</th>
<th>45:1</th>
<th>60:1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Delivery (gpm)</td>
<td>2.6</td>
<td>2.0</td>
</tr>
<tr>
<td>Delivery (lpm)</td>
<td>9.8</td>
<td>7.6</td>
</tr>
<tr>
<td>Cyclic Rate (gallon)</td>
<td>7.9</td>
<td>10.6</td>
</tr>
<tr>
<td>Maximum Tip Size @ 2500 psi (172 BAR)</td>
<td>.047&quot;</td>
<td>.043&quot;</td>
</tr>
<tr>
<td>Pressure Ratio</td>
<td>45:1</td>
<td>60:1</td>
</tr>
<tr>
<td>Maximum Pressure (psi)</td>
<td>4500</td>
<td>6000</td>
</tr>
<tr>
<td>Maximum Pressure (BAR)</td>
<td>310</td>
<td>414</td>
</tr>
<tr>
<td>Fluid Inlet</td>
<td>1&quot; NPT (F)</td>
<td>3/4&quot; NPT (F)</td>
</tr>
<tr>
<td>Fluid Outlet</td>
<td>1/2&quot; NPT (F)</td>
<td>1/2&quot; NPT (F)</td>
</tr>
<tr>
<td>Hose Connection</td>
<td>3/8&quot; NPSM (M)</td>
<td>3/8&quot; NPSM (M)</td>
</tr>
<tr>
<td>Approximate Air Requirement per Gallon (5.8 liters of Degal 168 psi (4.6 BAR) air pressure)</td>
<td>45 SCFM</td>
<td>52 SCFM</td>
</tr>
<tr>
<td>Air Inlet</td>
<td>1/2&quot; NPT (F)</td>
<td>1/2&quot; NPT (F)</td>
</tr>
<tr>
<td>Service Kits / Accessories</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
  - Pump Kit w/Leather & UHMWPE Packings: 110-001 140-001 140-002
  - Pump Kit w/Leather Packings: 110-031 140-031 140-032
  - Pump Kit w/UHMWPE Packings: 110-051 140-051 140-052
  - Air Motor Kit: 762-031 742-031
  - Siphon Hose for 55-gal. (200 liter) Drum: 110-500 140-500

### Product Specifications

- **Protective Coatings**
  - **Acrylic-Waterborne**
  - **Acrylic-Solventborne**
  - **Alkyd**
  - **Chlorinated Rubber**
  - **Epoxy Finishes**
  - **Epoxy Mastics**
  - **Polyester**
  - **Polyurethane**
  - **Phenolic**
  - **Vinyl**
  - **Coal Tar**
  - **Zinc Rich – Organic**
  - **Inorganic Zinc:**
    - **Solvent Based**
    - **Water Based**

- **Architectural Coatings**
  - **Latex**
  - **Enamel**
  - **Block Filler**
  - **Elastomerics**

- **Industrial Finishes**
  - **Lacquers**
  - **Stains**
  - **Sealers**
  - **Varnishes**
  - **Polyurethanes**

- **Roof Coatings / Waterproofing**
  - **Asphalt Emulsion**
  - **Cutback Asphalts**
  - **Adhesives / Cements**
  - **Fibrated Aluminum**
  - **Elastomerics**
  - **Water Based**
  - **Polyurethanes**
  - **Bicrylic – Urethanes**
  - **Elastomerics**
  - **Water Based**
  - **Elastomerics**
  - **Water Based”

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**Commander 60:1**
- Heavy Duty Cart

**Commander 60:1**
- Wall Mount

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**Commander 60:1**
- Heavy Duty Cart

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**Commander 45:1**
- Heavy duty cart with 50 mesh outlet manifold filter

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**Commander 60:1**
- Wall Mount with 100 mesh outlet manifold filter