SOVA Guncrete GUNITE MACHINE

Air Driven Dry-Mix Shotcrete Machine

Applications:
- Structural Concrete Repair
- Refractory Spraying
- Rockscaping
- Bridge Repair
- Slope Stabilization
- Tunnels and Mine Support
- Pools and Spas
- Channels
- Piers and Sea Walls
- Sewers
- Retaining and Fire Walls
- Dams and Reservoirs
- Sand and Gravel Backfill
- Concrete Pipe Lining
- Ditches

The SOVA Gunite Machine provides a steady flow of material which allows uniform hydration and very smooth placement. The adjustable output of material may be increased without sacrificing the quality of the application. The compact SOVA is capable of spraying through hoses from 1” to 1 1/2” (25 to 38mm) inside diameter.

SOVE (Electric Version) uses an electric motor to rotate the machine's feed bowl. (Air required to convey material) Made in the U.S.A. with the highest quality components and craftsmanship, REED has offered the most rugged and reliable Gunite Machines on the market for nearly 60 years.

Standard Features:
- Direct Drive 5HP Air Motor (SOVA)
- Continuous Feed Hopper
- Bag Breaker Included
- 2 Blade Material Agitator
- Direct Drive 3HP Electric Motor (SOVE)

3 Phase, 50Hz or 60Hz, 220/230v, 380/400v, 440/460v available

Optional Features:
- Oversized Water Separator
- Automatic Pad Clamp (209 model)
- Dust Suppression System
- Skid Mounting
- Hydraulic Drive

SOVE model above requires 90cfm less compressed air than SOVA
SOVA Guncrete GUNITE MACHINE

Air Driven Dry-Mix Shotcrete Machine

SOVA CONFIGURATIONS - Small Open Vertical-Feed Air Powered

<table>
<thead>
<tr>
<th>Feed Bowl #Pockets</th>
<th>Hose Size (I.D.)</th>
<th>Maximum Aggregate Size</th>
<th>Air Compressor (Recommended size at 100 psi)</th>
<th>Maximum Output**</th>
<th>Common Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>18</td>
<td>1/4&quot; (7mm)</td>
<td>210 cfm (6.0m³/min)</td>
<td>2yd³/hr (1.5m³/hr)</td>
<td>Fine, detailed artistic-type work, rockscaping, patch repair</td>
</tr>
<tr>
<td>2</td>
<td>1 1/4&quot; (3.2cm)</td>
<td>1/4&quot; (7mm)</td>
<td>315-375 cfm (9-11m³/min)</td>
<td>4yd³/hr (3m³/hr)</td>
<td>Refractory spraying, repair work, smooth finish</td>
</tr>
<tr>
<td>3</td>
<td>1 1/2&quot; (3.8cm)</td>
<td>3/8&quot; (10mm)</td>
<td>315-375 cfm (9-11m³/min)</td>
<td>9yd³/hr (6.9m³/hr)</td>
<td>Refractory spraying, repair work, smooth finish</td>
</tr>
<tr>
<td>4</td>
<td>1 1/8&quot; (3.8cm)</td>
<td>3/8&quot; (10mm)</td>
<td>315-375 cfm (9-11m³/min)</td>
<td>9yd³/hr (6.9m³/hr)</td>
<td>Refractory spraying, repair work, smooth finish</td>
</tr>
</tbody>
</table>

* Subtract roughly 90 SCFM (2.5M/MIN) from air requirement if SOVE (electric) model is used. Additional air may be required depending on altitude and atmospheric pressure.

Operating Principle:

1. The dry material is fed through the hopper down into the pockets of the rotary feed wheel below.
2. The rotary feed wheel, driven by a heavy-duty oil bath gear drive, rotates the mix under the conveying air inlet and material outlet.
3. With the introduction of compressed air, the mix is evacuated from the feed wheel pockets, then traveling through the outlet and into the hoses.
4. The dry mix material is then conveyed in suspension through hoses to the nozzle, where water is introduced and the water and dry material mix.

Feed Hose Maximum Air Compressor Bowl Size Aggregate (Recommended Maximum #Pockets (I.D.) Size size at 100 psi) Output** Common Applications

1 18 1" (2.5cm) 1/4" (7mm) 210 cfm (6.0m³/min) 2yd³/hr (1.5m³/hr) Fine, detailed artistic-type work, rockscaping, patch repair
2 18 1 1/4" (3.2cm) 1/4" (7mm) 315-375 cfm (9-11m³/min) 4yd³/hr (3m³/hr) Refractory spraying, repair work, smooth finish
3 16 1 1/4" (3.2cm) 1/4" (7mm) 315-375 cfm (9-11m³/min) 6yd³/hr (4.6m³/hr) Refractory spraying, repair work, smooth finish
4 16 1 1/2" (3.8cm) 3/8" (10mm) 315-375 cfm (9-11m³/min) 9yd³/hr (6.9m³/hr) Refractory spraying, repair work, smooth finish

SOVA CONFIGURATIONS - S Small Open Vertical-Feed Air Powered

MODEL SOVA /SOVE

<table>
<thead>
<tr>
<th>Maximum Horizontal Conveying Distance</th>
<th>ft</th>
<th>1000+</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Vertical Conveying Distance</td>
<td>m</td>
<td>305+</td>
</tr>
<tr>
<td>Drive System</td>
<td></td>
<td>SOVA 5 hp Air Motor, Direct Spur Gear Drive</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SOVE 3 hp Electric Motor, Direct Spur Gear Drive</td>
</tr>
</tbody>
</table>

Hopper Style - Continuous Feed, Flat Refractory-style

| Gross Weight (Approx.) | lb  | 455  |
|                       | kg  | 200  |

* Subtract roughly 90 SCFM (2.5M/MIN) from air requirement if SOVE (electric) model is used. Additional air may be required depending on altitude and atmospheric pressure.

Maximum theoretical performance shown above. Actual performance will vary depending on slump, mix design and delivery line diameter. Specifications subject to change without prior notice.

Genuine REED Quality

REED • An Independent Member of the Shea Family of Companies • 13822 Oaks Avenue • Chino, California 91710-7008 USA 909-287-2100 Fax: 909-287-2140 • Toll-free: 888-779-7333 • www.reedpumps.com