SVC Screwstar* Dry Screw Vacuum Pumps have been developed specifically for the recovery of petrol and other hydrocarbon vapors in the petrochemicals industry.

SVC high-performance dry screw vacuum pumps for use with corrosive chemicals and in harsh industrial environments.

SVC new technology Hybrid Combined Variable Pitch Screwstar* is the world beater which is grafted with new technology and fixed existing problems of Dry Screw Vacuum Pump and Safety and reliability are the most important features of these vacuum pumps.

Screwstar* has been in operation throughout the world for several years, especially in the oil industries, under a various range of climatic conditions, SVC Dry Screw vacuum pumps are available in two different sizes, with pumping speeds from 2,250m³/h at 50Hz, 130m³/h ~ 2,700m³/h at 60Hz.

Screwstar* maintains the highest standards of environmental compatibility and economy and matched precisely to the process, helping to achieve effective and efficient hydrocarbon vapour recovery.

**Enhance Durability**
With applying patented Casing Mechanism enable Screwstar* to prevent condensation of process material as well as smooth exhausting. Thanks this, strengthened durability with minimizing the wear and corrosive, equipped with TCV in order to control temperature inside Casing as well as TE in order to prevent overheating.

To enhance durability of coating, applied special coating which has 10 times higher surface strength than normal Teflon coating so it strengthened durability of Casing and Screw.

With applying Special Sealing Mechanism, allow process vapor and process fluids or particles to be drained at the front end of Mechanical Seal and discharged through the exhaust, finally it prevents the damage of Mechanical Seal and enhance durability. After completing of process, with applying Flushing and Purging Mechanism to eliminate the residual process fluids or particles of Vacuum pump inside and it led to be enhanced durability.

Screwstar* keeps the heat of compression inside of Casing as low as possible and equipped with special designed cooling system to extract gasoline or diesel.

- Prevention Condensation with Special Casing Mechanism(Patented)
- Enhanced Durability with Special Coating
- Enhanced Durability with Special Sealing Mechanism
- Enhanced Durability with Special Flushing Mechanism
**Chemicals Suitable**
- Benzene/Butane
- Crude oil/Diesel fuel
- Distillate fuels
- Gasoline/Hexane
- Methylene Chloride
- Pentene/Propane
- Ethanol/Methanol
- Toluene/Xylene etc.

**Potential Applications**
- Storage Tank Vents
- Truck Loading Racks
- Railcar Loading Facilities
- Marine Terminals
- Process Vents, etc.

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**Performance Curve**

![Performance Curve Diagram]

* Performance based on ambient condition, tolerance ±10%

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**Dimension**

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**Specification**

<table>
<thead>
<tr>
<th>Description</th>
<th>VSS1500</th>
<th>VSS3000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Displacement(m³/hr, 50/60Hz)</td>
<td>1,250/1,500</td>
<td>2,250/2,700</td>
</tr>
<tr>
<td>Ultimate Pressure(Torr)</td>
<td>5 X 10⁻²</td>
<td>5 X 10⁻²</td>
</tr>
<tr>
<td>Standard Motor(kW, 50/60Hz)</td>
<td>30/37</td>
<td>37/55</td>
</tr>
<tr>
<td>Rotation(max. rpm, 50/60Hz)</td>
<td>1,450/1,750</td>
<td>1,450/1,750</td>
</tr>
<tr>
<td>Connection(Inlet/Outlet)</td>
<td>ANSI 5&quot;/3&quot;</td>
<td>ANSI 6&quot;/4&quot;</td>
</tr>
<tr>
<td>Cooling Water Flow(l/min)</td>
<td>30~40</td>
<td>40~50</td>
</tr>
<tr>
<td>Gear Oil Capacity(l/min)</td>
<td>8</td>
<td>10</td>
</tr>
<tr>
<td>Weight(kg)</td>
<td>1,550</td>
<td>2,220</td>
</tr>
<tr>
<td>Dimensions(LxWxH, mm)</td>
<td>2,400x872x1,105</td>
<td>2,541x910x1,218</td>
</tr>
</tbody>
</table>

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