Compact™ Spray Guns

PERFORMANCE SERIES

AUTOMATIC • MANUAL • TOUCH-UP

Trans-Tech™, HVLP & Conventional Advanced Technologies for the optimal mix of performance, ergonomics & efficiency

www.devilbiss.com
Compact Automatic I
SB# 2-586
This is a revolutionary automatic spray gun with a long working life, even in your toughest conditions. Using all the latest advances in atomization technology, the Compact Automatic I gun will provide users with a unique product that saves paint and increases application rates, reducing overall costs.

• Wide range of Air Caps in HVLP, Trans-Tech and Conventional technologies
• Removable stainless steel spray head for fast and easy maintenance
• Control of spray performance and fluid flow is unequalled with the fluid adjusting knob (18 indexing positions)
• Stainless steel passages — for waterborne and solvent based materials
• Independent fan, atomizing and triggering air — vital for robotic and automatic spray machine applications
• Indexing Air Cap for consistent reproduction of spray pattern

Compact Automatic X
SB# 2-584
A highly sophisticated automatic gun, the Compact Automatic X can be detached from its mounting block in a few seconds via the easy thumb release mechanism, for fast and easy maintenance and serviceability. This special feature from DeVilbiss dramatically reduces production downtime.

• No tools required for detachment
• Recirculating and non-recirculating gun head — all-in-one
• Fixed gun positioning
• Small footprint

<table>
<thead>
<tr>
<th>COMPACT AIR CAP NUMBER &amp; TYPE</th>
<th>RECOMMENDED AIR INLET PRESSURE</th>
<th>AUTOMATIC GUN AIR CONSUMPTION</th>
<th>MANUAL GUN AIR CONSUMPTION</th>
<th>*TYPICAL FAN PATTERN SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>SP-100-506-K 506 HVLP</td>
<td>19 psi (1.3 bar)</td>
<td>N/A</td>
<td>10.6 scfm (300 l/min)</td>
<td>12.0” (305 mm)</td>
</tr>
<tr>
<td>SP-100-507-K 507 HVLP</td>
<td>22 psi (1.5 bar)</td>
<td>17.7 scfm (600 l/min)</td>
<td>17.3 scfm (490 l/min)</td>
<td>15.7” (400 mm)</td>
</tr>
<tr>
<td>SP-100-510-K 510 Trans-Tech</td>
<td>29 psi (2.0 bar)</td>
<td>10.0 scfm (283 l/min)</td>
<td>10.0 scfm (283 l/min)</td>
<td>10.6” (270 mm)</td>
</tr>
<tr>
<td>SP-100-513-K 513 Trans-Tech</td>
<td>29 psi (2.0 bar)</td>
<td>14.1 scfm (394 l/min)</td>
<td>14.1 scfm (394 l/min)</td>
<td>13.8” (350 mm)</td>
</tr>
<tr>
<td>SP-100-522-K 522 Trans-Tech</td>
<td>29 psi (2.0 bar)</td>
<td>14.5 scfm (410 l/min)</td>
<td>14.5 scfm (410 l/min)</td>
<td>13.8” (350 mm)</td>
</tr>
<tr>
<td>SP-100-590-K 590 Trans-Tech</td>
<td>29 psi (2.0 bar)</td>
<td>7.8 scfm (218 l/min)</td>
<td>7.8 scfm (218 l/min)</td>
<td>5.9” (150 mm)</td>
</tr>
<tr>
<td>SP-100-591-K 591 Trans-Tech</td>
<td>29 psi (2.0 bar)</td>
<td>12.4 scfm (350 l/min)</td>
<td>12.4 scfm (350 l/min)</td>
<td>4.5” (114 mm)</td>
</tr>
<tr>
<td>SP-100-430-K 430 Conventional</td>
<td>50 psi (3.5 bar)</td>
<td>12.0 scfm (339 l/min)</td>
<td>12.0 scfm (339 l/min)</td>
<td>7.9” (200 mm)</td>
</tr>
<tr>
<td>SP-100-443-K 443 Conventional</td>
<td>45 psi (3.0 bar)</td>
<td>12.3 scfm (345 l/min)</td>
<td>12.3 scfm (345 l/min)</td>
<td>11.8” (300 mm)</td>
</tr>
<tr>
<td>SP-100-497-K 497 Conventional</td>
<td>50 psi (3.5 bar)</td>
<td>18.0 scfm (510 l/min)</td>
<td>18.0 scfm (510 l/min)</td>
<td>12.0” (305 mm)</td>
</tr>
</tbody>
</table>

*Fan size will vary according to viscosity and pressures used. Measured at distance of 8’.

Available in Trans-Tech, HVLP and Advanced Conventional

Compact Automatic X

Reduces Downtime!

Compact Automatic X
**Designed for Superior Finish Performance**

- Compact’s design results in a laminar, or streamlined, flow of air allowing for efficient and effective atomization.
- Using Computational Fluid Dynamics (CFD), the air flow in the new Compact Spray Gun is modeled to reduce turbulence and enhance the atomization process.
- Compact provides a superior finish with the highest transfer efficiency rates.

**Built for Ergonomic Comfort, Energy Savings and Environmental Responsibility**

- Small and lightweight reducing operator fatigue.
- New curved handle for operator comfort.
- Increased finger space for easy access.
- Reduced trigger tension increasing operator comfort.
- Lower air consumption and pressures.
- Easy to clean with fewer parts.
- Handles solvent and waterborne materials including high solids and 2k.

**Small**er Gun ... Bigger Payback

Get your hands on the Compact Gun designed by you!

- **BRASS AIR CAPS, STAINLESS FLUID TIPS AND NEEDLES** Superior atomization and universal compatibility with ALL industrial spray coatings.
- **WIDER HOOK OPENING** 1/2” (12 mm)
- **ULTRA LIGHTWEIGHT ERGONOMIC DESIGN** Lighter than major competitors at only 14.6 oz (412g).
- **GUN CONTROLS** Easy adjustment for precise control of fluid output and air atomization.
- **CURVED HANDLE DESIGN** Provides superior operator fit and feel with reduced RSI and operator fatigue.
- **1/4” AIR INLET** BSP and NPS compatible.
- **FORGED ALUMINUM ALLOY GUN BODY** Heavily anodized for ruggedness and long working life.
- **INCREASED “FINGER” SPACE** Easier operator access.
- **CONCENTRIC AIR VALVE DESIGN AROUND FLUID NEEDLE** Reduces parts, weight and facilitates easier cleaning.
- **COMFORTABLE OPERATOR FRIENDLY TRIGGER DESIGN** With reduced trigger travel, from air on to fully open.
- **LIGHTER TRIGGER PULL TENSION** Decreased RSI and operator fatigue.
- **ENHANCED NEEDLE PACKING ASSEMBLY** Adjustable.
- **STAINLESS STEEL 3/8” FLUID INLET** BSP and NPS compatibility; minimal paint volume in passages.
- **NO BAFFLE DESIGN** Reduced number of parts lowers weight and makes cleaning easier.

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**Available in Trans-Tech, HVLP and Advanced Conventional**

“The Compact Trans-Tech spray gun is qualified for use in the South Coast Air Quality Management District (SCAQMD) under Rule 1136 for Wood Products Coatings based on the exemption in Rule 1136(l)(8)(A) when using compliant coating materials.”
Compact MINI
SB-2-858
The Compact MINI incorporates sensitive fan control into the comfort of a full-size gun. This gun has the pattern range and versatility needed for top quality fine finishing, including touch-up applications.

A fine finish spray gun with many practical uses throughout general industry, ergonomically styled for comfort.

- Choice of HVLP or Trans-Tech Compliant air caps provide superior atomization of both solvent and water based materials
- Stainless steel fluid tips and needles
- Balanced air valve design for lighter trigger pull and improved air flow
- Lightweight, strong, forged aluminium gun body
- A quality screw top anti-static gravity feed cup with 125 mls. capacity
- Optional semi-disposable or disposable cups are available

Typical Applications
- Fine shading
- Retouching
- Stenciling
- Spot repair
- Reworking

Suitable for these materials
- Solvent and water based paints
- Stains and varnishes
- Inks and dyes
- Lacquers

Touch-Up Performance Series
Available in Trans-Tech and HVLP

COMPACT MINI SPRAY GUNS

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM-HS1-10</td>
<td>HVLP 1.0 mm Fluid Nozzle</td>
</tr>
<tr>
<td>COMM-HS1-12</td>
<td>HVLP 1.2 mm Fluid Nozzle</td>
</tr>
<tr>
<td>COMM-TS1-10</td>
<td>Trans-Tech 1.0 mm Fluid Nozzle</td>
</tr>
<tr>
<td>COMM-TS1-12</td>
<td>Trans-Tech 1.2 mm Fluid Nozzle</td>
</tr>
<tr>
<td>COMM-RS1-08</td>
<td>Round Spray Trans-Tech 0.8 mm Fluid Nozzle</td>
</tr>
</tbody>
</table>

FLUID NOZZLES

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM-200-08</td>
<td>0.032” (0.8 mm)</td>
</tr>
<tr>
<td>COMM-200-10</td>
<td>0.039” (1.0 mm)</td>
</tr>
<tr>
<td>COMM-200-12</td>
<td>0.047” (1.2 mm)</td>
</tr>
<tr>
<td>COMM-200-14</td>
<td>0.055” (1.4 mm)</td>
</tr>
</tbody>
</table>

NEEDLES

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM-300-0810</td>
<td>Needle 0.8 &amp; 1.0 mm</td>
</tr>
<tr>
<td>COMM-300-1214</td>
<td>Needle 1.2 &amp; 1.4 mm</td>
</tr>
</tbody>
</table>

AIR CAPS

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Type</th>
<th>Recommended Air Inlet Pressure</th>
<th>Air Consumption</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM-100-HS1</td>
<td>HVLP</td>
<td>29 psi (2.0 bar)</td>
<td>5.0 cfm (135 l/min)</td>
</tr>
<tr>
<td>COMM-100-TS1</td>
<td>Trans-Tech</td>
<td>29 psi (2.0 bar)</td>
<td>4.0 cfm (100 l/min)</td>
</tr>
<tr>
<td>COMM-100-RS1</td>
<td>Round Spray Trans-Tech</td>
<td>15 psi (1.0 bar)</td>
<td>2.0 cfm (55 l/min)</td>
</tr>
<tr>
<td>KK-5090-HS1</td>
<td>HVLP Test Cap</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>
Coatings, regulations, employee safety, environmental awareness... the challenges to your business and bottom line never end.

In 1907, DeVilbiss first began setting the industry standards for liquid coating applications. Today, as the global leader in fine atomization, DeVilbiss continues product development upgrades to push the boundaries of spray finishing technology with the advanced breakthroughs in our new Compact™ Performance Series.

### HVLP (Blue):

**Maintains Regulatory Compliance**

The DeVilbiss “Blue” Compact gun allows you to maintain EPA compliance and produce a superb finish.

Built to provide outstanding coating atomization, the “Blue” Compact can handle all types of solvent and waterborne materials.

High performance is coupled with a gun body light in weight and designed for operator comfort to increase productivity.

### Trans-Tech (Green):

**Maximum Efficiency with Environmental Responsibility**

The DeVilbiss “Green” Compact gun utilizes the very latest advances in computational fluid dynamics. This results in superior atomization with the new DeVilbiss TRANSFER-TECHNOLOGY.

Exceptionally efficient material transfer for optimum coverage and paint usage is achieved with reduced air consumption, lowering your electrical needs and energy costs.

Exceed your production requirements with the highest atomization levels at an accelerated application rate of up to 600 cc/min.

### Conventional (Silver):

**Outperforms the Competition**

The DeVilbiss “Silver” Compact is our Advanced Conventional gun and has a unique high capacity airflow with outstanding atomization to produce a superior result.

Compact’s Advanced Conventional Air Caps make this gun the ideal performer in both small operations or high volume facilities, with the added bonus of instantly improved finishing productivity.

### Compact Spray Gun Air Cap & Fluid Tip Selection Chart

<table>
<thead>
<tr>
<th>Atomization Type</th>
<th>HVLP</th>
<th>Trans-Tech</th>
<th>Conventional</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air Cap Number</td>
<td>506</td>
<td>510</td>
<td>430</td>
</tr>
<tr>
<td>Spray Gun Type</td>
<td>507</td>
<td>513</td>
<td>443</td>
</tr>
<tr>
<td>Fluid Tip Dia. in/mm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>.020 (.50 mm)</td>
<td>L</td>
<td>L</td>
<td>L</td>
</tr>
<tr>
<td>.033 (.85 mm)</td>
<td>L</td>
<td>L</td>
<td>L</td>
</tr>
<tr>
<td>.039 (1.1 mm)</td>
<td>LM</td>
<td>LM</td>
<td>LM</td>
</tr>
<tr>
<td>.056 (1.4 mm)</td>
<td>M</td>
<td>M</td>
<td>M</td>
</tr>
<tr>
<td>.070 (1.8 mm)</td>
<td>M, H</td>
<td>M, H</td>
<td>M, H</td>
</tr>
<tr>
<td>.086 (2.2 mm)</td>
<td>H</td>
<td>H</td>
<td>H</td>
</tr>
<tr>
<td>L - Low Viscosity (20 sec. Zahn 2 and Lower)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LM - Low to Medium Viscosity (21-30 sec. Zahn 2)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>M - Medium Viscosity (31-45 sec. Zahn 2)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>H - High Viscosity (46 sec. Zahn 2 and Higher)</td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>
Compact Gun Selection

**AUTOMATIC GUN ORDERING CODE GUIDE**

- **CMA** = Compact Automatic Gun
- **I** = I Body
- **X** = X Body
- **B** = HVLP Blue
- **G** = Trans-Tech Green
- **No Letter** = Conventional
- **85** = .85 mm Fluid Tip/Needle
- **-** or **No Letter** = Stainless Steel Needle
- **P** = Plastic Needle

**MANUAL GUN ORDERING CODE GUIDE**

- **COM** = Compact Gun
- **P** = Pressure/Siphon Gun
- **G** = Gravity Gun
- **S** = S.S. Insert
- **507** = 507 Air Cap
- **B** = HVLP Blue
- **G** = Trans-Tech Green
- **No Letter** = Conventional
- **14** = 1.4 mm Fluid Tip/Needle
- **-** = Stainless Steel Needle
- **P** = Plastic Needle

**MINI GUN ORDERING CODE GUIDE**

- **COMM** = Compact MINI Gun
- **HS1** = HVLP Air Cap
- **TS1** = Trans-Tech Air Cap
- **RS1** = Round Spray Trans-Tech Air Cap
- **08** = 0.8 mm Fluid Nozzle
- **10** = 1.0 mm Fluid Nozzle
- **12** = 1.2 mm Fluid Nozzle