

DEVILBISS[®]

Compact[™] Spray Guns

PERFORMANCE SERIES



AUTOMATIC • MANUAL • TOUCH-UP



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

Automatic Performance Series

HVLP, TRANS-TECH™ & CONVENTIONAL ADVANCED TECHNOLOGIES
FOR OPTIMAL OUTPUT & PAINT SAVINGS

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

*Change technology by changing the cap!
Air Caps available in Trans-Tech, HVLP
and Advanced Conventional*

Compact Automatic I



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

*Compact Automatic X
Reduces Downtime!*



Compact Automatic X

*All the features of the Compact Automatic "I"
plus fast & easy removal from the mounting block.*



COMPACT AIR CAP NUMBER & TYPE	RECOMMENDED AIR INLET PRESSURE	AUTOMATIC GUN AIR CONSUMPTION	MANUAL GUN AIR CONSUMPTION	*TYPICAL FAN PATTERN SIZE
SP-100-506-K 506 HVLP	19 psi (1.3 bar)	N/A	10.6 scfm (300 l/min)	12.0" (305 mm)
SP-100-507-K 507 HVLP	22 psi (1.5 bar)	17.7 scfm (500 l/min)	17.3 scfm (490 l/min)	15.7" (400 mm)
SP-100-508-K HLVP	14 psi (1.0 bar)	11.0 scfm (311 l/min)	11.0 scfm (311 l/min)	10.0" (254 mm)
SP-100-510-K 510 Trans-Tech	29 psi (2.0 bar)	10.0 scfm (283 l/min)	10.0 scfm (283 l/min)	10.6" (270 mm)
SP-100-513-K 513 Trans-Tech	29 psi (2.0 bar)	14.1 scfm (394 l/min)	14.1 scfm (394 l/min)	13.8" (350 mm)
SP-100-522-K 522 Trans-Tech	29 psi (2.0 bar)	14.5 scfm (410 l/min)	14.5 scfm (410 l/min)	13.8" (350 mm)
SP-100-590-K 590 Trans-Tech	29 psi (2.0 bar)	7.8 scfm (218 l/min)	7.8 scfm (218 l/min)	5.9" (150 mm)
SP-100-591-K 591 Trans-Tech	29 psi (2.0 bar)	12.4 scfm (350 l/min)	12.4 scfm (350 l/min)	4.5" (114 mm)
SP-100-430-K 430 Conventional	50 psi (3.5 bar)	12.0 scfm (339 l/min)	12.0 scfm (339 l/min)	7.9" (200 mm)
SP-100-443-K 443 Conventional	45 psi (3.0 bar)	12.3 scfm (345 l/min)	12.3 scfm (345 l/min)	11.8" (300 mm)
SP-100-497-K 497 Conventional	50 psi (3.5 bar)	18.0 scfm (510 l/min)	18.0 scfm (510 l/min)	12.0" (305 mm)
SP-100-CDT-K Conventional	29 psi (2.0 bar)	12.0 scfm (340 l/min)	12.4 scfm (350 l/min)	16.0" (406 mm)
SP-100-500R-K Round	29 psi (2.0 bar)			2"-18" (50 mm-450 mm)

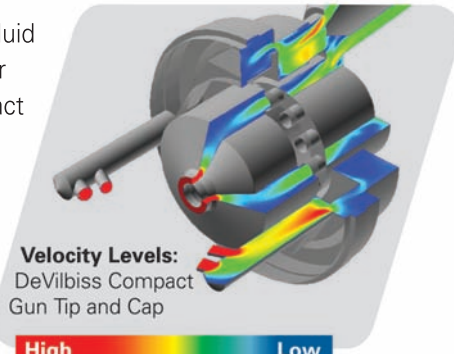
*Fan size will vary according to viscosity and pressures used. Measured at distance of 8".

Manual Performance Series

HVLP, TRANS-TECH™ & CONVENTIONAL ADVANCED TECHNOLOGIES FOR THE OPTIMAL MIX OF PERFORMANCE, ERGONOMICS & EFFICIENCY

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



Velocity Levels:
DeVilbiss Compact
Gun Tip and Cap

High **Low**

Red indicates very uniform high speeds as the mix of air and coating exit the Compact's tip and cap. A uniform high speed is less turbulent, resulting in the highest transfer efficiency.

Built for Ergonomic Comfort, Energy Savings and Environmental Responsibility

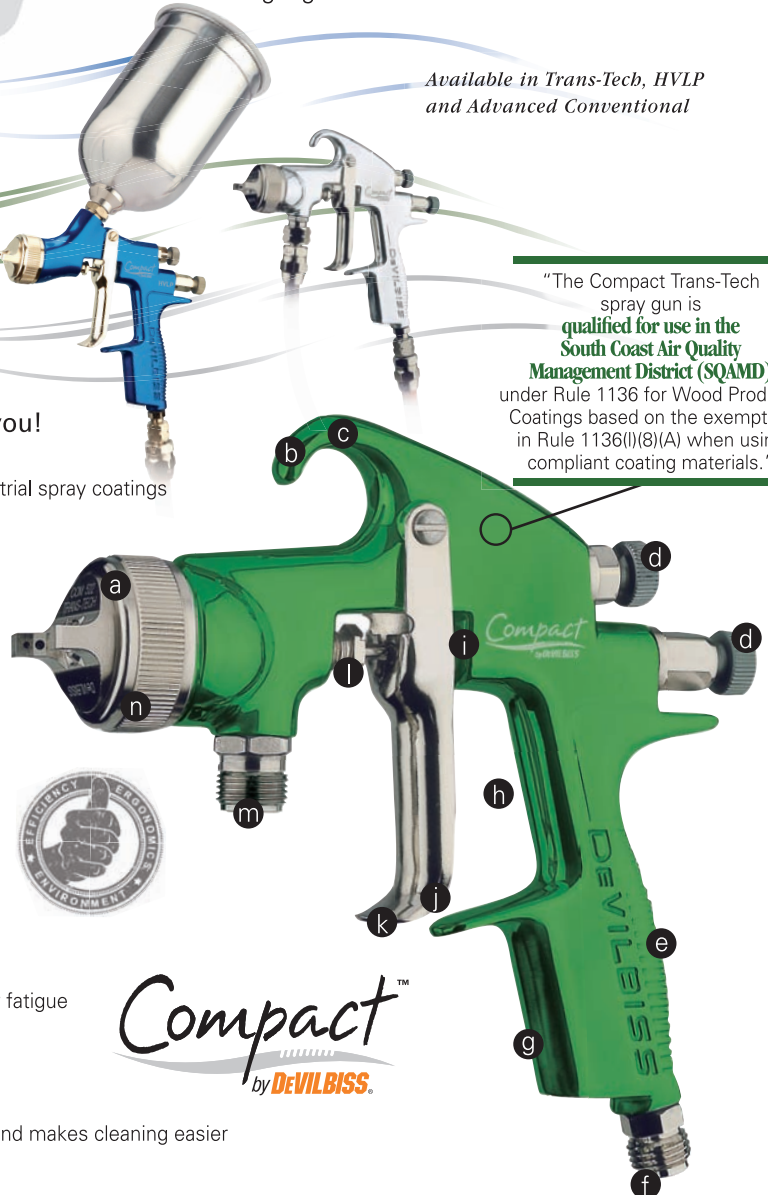
- Small and lightweight reducing operator fatigue
- Curved handle for operator comfort
- Increased finger space for easy access
- Reduced trigger tension increasing operator comfort
- Lower air consumption and pressures
- Easy to clean with fewer parts
- Handles solvent and waterborne materials including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

Available in Trans-Tech, HVLP and Advanced Conventional

Smaller Gun ... Bigger Payback

Get your hands on the Compact Gun designed by you!

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



"The Compact Trans-Tech spray gun is qualified for use in the South Coast Air Quality Management District (SQAMD) under Rule 1136 for Wood Products Coatings based on the exemption in Rule 1136(l)(8)(A) when using compliant coating materials."



Compact
by DeVILBISS

Touch-Up Performance Series

A TOUCH-UP GUN WITH THE ULTIMATE FINE FINISH

Compact MINI™

SB-2-858

Available in Trans-Tech
and HVLP

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.

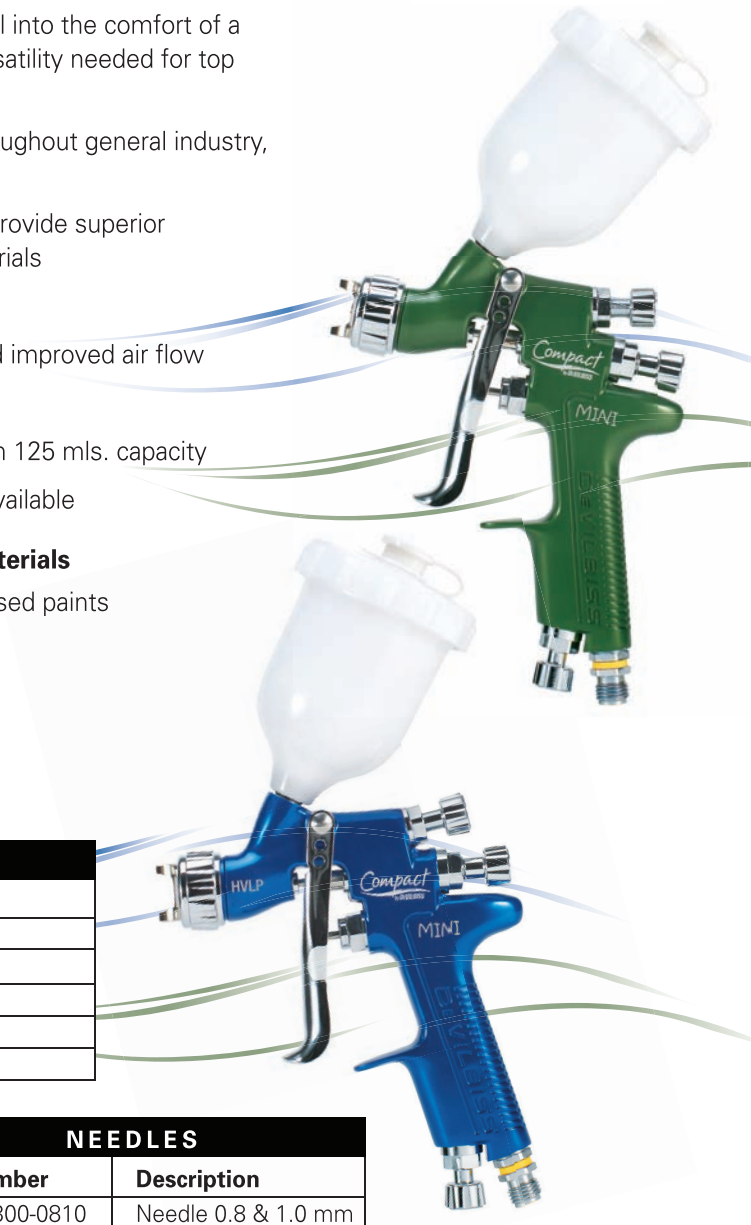
- Choice of HVLP or Trans-Tech Compliant air caps provide superior atomization of both solvent and water based materials
- Stainless steel fluid tips and needles
- Balanced air valve design for lighter trigger pull and improved air flow
- Lightweight, strong, forged aluminium gun body
- A quality screw 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



COMPACT MINI SPRAY GUNS	
Part Number	Description
COMM-HS1-10	HVLP 1.0 mm Fluid Nozzle
COMM-HS1-12	HVLP 1.2 mm Fluid Nozzle
COMM-TS1-10	Trans-Tech 1.0 mm Fluid Nozzle
COMM-TS1-12	Trans-Tech 1.2 mm Fluid Nozzle
COMM-RS1-08	Round Spray 0.8 mm Fluid Nozzle

FLUID NOZZLES	
Part Number	Description
COMM-200-08	0.032" (0.8 mm)
COMM-200-10	0.039" (1.0 mm)
COMM-200-12	0.047" (1.2 mm)
COMM-200-14	0.055" (1.4 mm)

NEEDLES	
Part Number	Description
COMM-300-0810	Needle 0.8 & 1.0 mm
COMM-300-1214	Needle 1.2 & 1.4 mm

AIR CAPS			
Part Number	Type	Recommended Air Inlet Pressure	Air Consumption
COMM-100-HS1	HVLP	29 psi (2.0 bar)	5.0 cfm (135 l/min)
COMM-100-TS1	Trans-Tech	29 psi (2.0 bar)	4.0 cfm (100 l/min)
COMM-100-RS1	Round Spray	15 psi (1.0 bar)	2.0 cfm (55 l/min)
KK-5090-HS1	HVLP Test Cap	N/A	N/A

just as your business evolves to meet today's challenges...

DeVilbiss Spray Technology has advanced again



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.



HVLV (Blue):*

Trans-Tech (Green):*

Conventional (Silver):

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.

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 600cc/min.

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.

** All Compact Automatic I have silver bodies*

WHATEVER THE SUBSTRATE YOU'RE SPRAYING — WOOD, METAL, PLASTIC, LEATHER, GLASS OR ANY OTHER MATERIAL COMPACT BY DEVILBISS IS THE SPRAY GUN TO CHOOSE.

COMPACT SPRAY GUN AIR CAP & FLUID TIP SELECTION CHART

Atomization Type	HVLV			Trans-Tech					Conventional				Round	
Air Cap Number	506	507	508	510	513	522	590	591	430	443	497	CDT	500R	
Spray Gun Type	Manual	Manual & Automatic	Manual & Automatic	Manual & Automatic	Manual & Automatic	Manual & Automatic	Automatic	Automatic	Manual & Automatic	Manual & Automatic	Manual & Automatic	Manual	Manual & Automatic	
Fluid Tip Dia. in/mm	.020 (.50 mm)						L	L						
	.033 (.85 mm)		L		L	L	L						LM	
	.039 (1.0 mm)	LM	LM	LM	LM	LM	LM		LM	LM	LM	M	LM	
	.055 (1.4 mm)	M	M	LM	M	M	M		M	M	M	M	LM	
	.070 (1.8 mm)	M, H	M, H		M, H	M, H	M, H			M, H	M, H	M, H	M	M, H
	.086 (2.2 mm)	H	H							H	H	H		H

L - Low Viscosity (20 sec. Zahn 2 and Lower) **M** - Medium Viscosity (31-45 sec. Zahn 2)
LM - Low to Medium Viscosity (21-30 sec. Zahn 2) **H** - High Viscosity (46 sec. Zahn 2 and Higher)

Compact Gun Selection

AUTOMATIC GUN ORDERING CODE GUIDE

CMA = Compact Automatic Gun	CMA	X	B	85	P	M	N
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							
No Letter = I Body							
M = Manifold X Body							
O = No Manifold X Body							
No Letter = BSPP Ports							
N = NPT Ports							

MANUAL GUN ORDERING CODE GUIDE

COM = Compact Gun	COM	P	S	507	B	14	00
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							
00 = No Cup							
01 = Alum. Siphon Cup 1 qt Includes: Part Number TGC-545							
02 = Alum. Gravity Cup 1 liter Includes: Part Number GFC-502							
03 = S.S. Pressure Assist Cup w/ Regulator Kit Includes: Part Numbers TSC-591 and KK-4980							
04 = Alum. Pressure Assist Cup w/ Regulator Kit Includes: Part Number TGC-545 and KK-4980							
05 = Acetal Gravity Cup 20 oz Includes: Part Number GFC-501							

MINI GUN ORDERING CODE GUIDE

COMM = Compact MINI Gun	COMM	H	S	1	10
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					



www.devilbiss.com

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