

Efficiency • Ergonomics • Environment



CompactTM

by DEVILBISS®

PERFORMANCE SERIES
AUTOMATIC & MANUAL GUNS




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





DEVILBISS



Compact™
by DEVILBISS®

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

DeVilbiss Spray Technology has advanced again

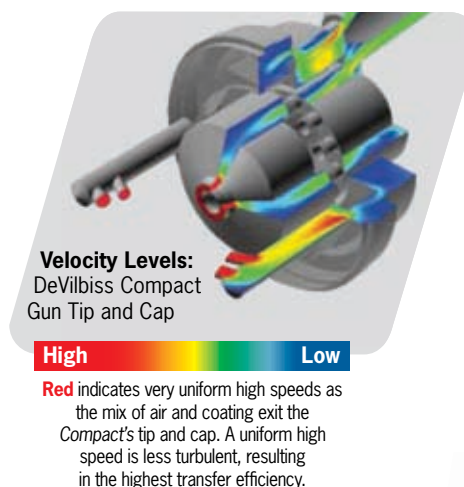
COMPACT BY DEVILBISS PERFORMANCE SERIES
AUTOMATIC & MANUAL SPRAY GUNS

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.

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.



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 600cc/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.

How to Choose an Automatic Setup

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		HVLP		Trans-Tech			Conventional			
Air Cap Number		506	507	510	513	522	590	430	443	497
Spray Gun Type		Manual	Manual & Automatic	Manual & Automatic	Manual & Automatic	Manual & Automatic	Automatic	Manual & Automatic	Manual & Automatic	Manual & Automatic
Fluid Tip Diameter in/mm	.020" (.50 mm)						L			
	.033" (.85 mm)		L	L	L	L				
	.039" (1.0 mm)	LM	LM	LM	LM	LM		LM	LM	LM
	.055" (1.4 mm)	M	M	M	M	M		M	M	M
	.070" (1.8 mm)	M, H	M, H	M, H	M, H	M, H		M, H	M, H	M, H
	.086" (2.2 mm)	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)

The Best Atomization and Paint Savings

Compact Automatic I & X spray guns — are available **with HVLP and Trans-Tech Atomization** technologies for optimum output and paint savings...

- Significant paint savings
- Highest levels of atomization
- High speed application flow rates of up to 600cc/min
- Optimum coverage and paint usage

Compact Automatic I and X Spray Guns with "Advanced Conventional" Air Caps outperform the rest

- Uniquely designed high capacity airflow
- Ideal for small operations or high volume industrial spraying
- Advanced Conventional Atomization atomizes the most difficult spray materials



Compact Automatic Air Cap Number & Type	Air Consumption	Air Inlet Pressure Recommended	*Typical Fluid Flow	*Typical Fan Pattern Size
Air Cap 507 HVLP	17.7 scfm (500 l/min)	22 psi (1.5 bar)	5.4-16 oz (160-473 cc)	15.7" (400 mm)
Air Cap 510 Trans-Tech	10.0 scfm (283 l/min)	29 psi (2.0 bar)	5.4-7.4 oz (160-220 cc)	10.6" (270 mm)
Air Cap 513 Trans-Tech	14.1 scfm (394 l/min)	29 psi (2.0 bar)	6.8-27.1 oz (200-800 cc)	13.8" (350 mm)
Air Cap 522 Trans-Tech	14.5 scfm (410 l/min)	29 psi (2.0 bar)	6.8-20.3 oz (200-600 cc)	13.8" (350 mm)
Air Cap 590 Trans-Tech	7.8 scfm (218 l/min)	29 psi (2.0 bar)	0-5.1 oz (0-150 cc)	5.9" (150 mm)
Air Cap 430 Conventional	12.0 scfm (339 l/min)	50 psi (3.5 bar)	6.8-9.5 oz (200-280 cc)	7.9" (200 mm)
Air Cap 443 Conventional	12.3 scfm (345 l/min)	45 psi (3.0 bar)	6.8-10.1 oz (200-300 cc)	11.8" (300 mm)
Air Cap 497 Conventional	18.0 scfm (510 l/min)	50 psi (3.5 bar)	6.8-20.3 oz (200-600 cc)	15.0" (380 mm)

507 Air Caps operate at 10 psi (0.7 bar) at the cap. *Flow rates and fan size will vary according to viscosity and pressures used.

Automatic Performance Series

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

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 reduces 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 — for waterborne & 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 & non-recirculating gun head — all-in-one
- Fixed gun positioning
- Small footprint

Reduces Downtime!






ALL THE FEATURES OF THE COMPACT AUTOMATIC "I" PLUS FAST AND EASY REMOVAL FROM THE MOUNTING BLOCK.

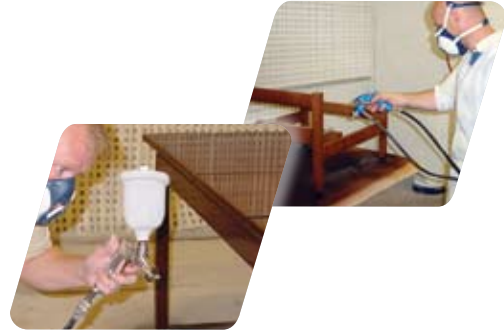
DEVILBISS COMPACT AUTOMATIC SPECIFICATION

		Compact Automatic I	Compact Automatic X
Air Inlet and Atomizing Air Connection	1/8" BSP Female		
Cylinder Operating Air Connection	1/8" BSP Female		
Fluid Connection	1/8" BSP Female		
Fluid Recirculation	1/8" BSP Female		
Max Air Pressure Fan & Atom	100 psi (7 bar)		
Min to Max Cylinder Actuating Air	60-100 psi (4-7 bar)		
Max Operating Ambient Temperature	104°F (40°C)		
		Gun Weight	25.0 oz (720g)
		Length	5.3" (135 mm)
		Width	1.8" (45 mm)
		Height (with manual adjusting knobs)	2.5" (63 mm)
			33.5 oz (950g) with mounting block
			4.6" (118 mm)
			1.8" (45 mm)
			3.7" (95 mm)

Fluid Tip/Needle Size

The following setups are recommended to produce optimum results for a wide range of applications.

 Siphon:	.070" (1.8 mm), .086" (2.2 mm)
 Gravity:	.055" (1.4 mm), .070" (1.8 mm)
 Pressure:	.033" (.85 mm), .039" (1.0 mm), .055" (1.4 mm), .070" (1.8 mm), .086" (2.2 mm)



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



Smaller Gun ... Bigger Payback

Get your hands on the **Compact Gun** designed by you!

- a PLATED 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 and weight which 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."



Manual Performance Series

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

HVLP

Blue Maintains Regulatory Compliance

- Maintains EPA compliance and produces a superb finish
- Handles all types of solvent and waterborne materials
- The highest performance is coupled with a gun body light in weight and designed for operator comfort to increase productivity

Compatible Compact Air Caps:

	AIR CONSUMPTION	*TYPICAL FAN PATTERN
Air Cap 506	12.2 scfm (345 l/min)	11.8" (300 mm)
Air Cap 507	17.3 scfm (490 l/min)	15.7" (400 mm)



Air Cap, Needle and Fluid Tip Combinations		Siphon Gun	Gravity Gun	Pressure Gun	Pressure Assist
Fluid Tip/Needle Size	.033" (.85 mm)			■	
	.039" (1.0 mm)			■	
	.055" (1.4 mm)		■	■	■
	.070" (1.8 mm)	■	■	■	
	.086" (2.2 mm)	■		■	
Air Cap Codes	COM-506		■	■	■
	COM-507	■	■	■	

Trans-Tech™

Green Means Maximum Efficiency with Environmental Responsibility

- Superior atomization with the new DeVilbiss **TRANSFER-TECHNOLOGY**
- Exceptionally efficient material transfer for optimum coverage and paint usage
- Reduced air consumption lowers your electrical needs and energy costs
- The highest atomization levels at an accelerated application rate of up to 600cc/min



Compatible Compact Air Caps:

	AIR CONSUMPTION	*TYPICAL FAN PATTERN
Air Cap 510	10.0 scfm (283 l/min)	7.9" (220 mm)
Air Cap 513	14.1 scfm (394 l/min)	13.8" (350 mm)
Air Cap 522	14.5 scfm (410 l/min)	13.8" (350 mm)
Air Cap 590	7.8 scfm (218 l/min)	5.9" (150 mm)



Air Cap, Needle and Fluid Tip Combinations		Siphon Gun	Gravity Gun	Pressure Gun	Pressure Assist
Fluid Tip/Needle Size	.033" (.85 mm)			■	
	.039" (1.0 mm)			■	
	.055" (1.4 mm)		■	■	■
	.070" (1.8 mm)	■	■	■	
	.086" (2.2 mm)	■		■	
Air Cap Codes	COM-510	■	■	■	
	COM-513	■	■	■	
	COM-522			■	■
	COM-590			■	

Advanced Conventional

Silver Outperforms the Competition

- A high capacity airflow and outstanding atomization produces a superior result
- The ideal performer in both small operations or high volume facilities

Compatible Compact Air Caps:

	AIR CONSUMPTION	*TYPICAL FAN PATTERN
Air Cap 430	12.0 scfm (339 l/min)	7.9" (200 mm)
Air Cap 443	12.3 scfm (345 l/min)	11.8" (300 mm)
Air Cap 497	18.0 scfm (510 l/min)	13.8" (350 mm)



Air Cap, Needle and Fluid Tip Combinations		Siphon Gun	Gravity Gun	Pressure Gun	Pressure Assist
Fluid Tip/Needle Size	.039" (1.0 mm)			■	
	.055" (1.4 mm)		■	■	■
	.070" (1.8 mm)	■	■	■	
	.086" (2.2 mm)	■		■	
Air Cap Codes	COM-430	■	■	■	
	COM-443				
	COM-497			■	■

*Fan size will vary according to viscosity and pressures used.

Compact Gun Selection

AUTOMATIC GUN ORDERING CODE GUIDE

CMA X - B 85 P M

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

No Letter = I Body

M = Manifold X Body

O = No Manifold X Body

MANUAL GUN ORDERING CODE GUIDE

COM - PS 507 B - 14 - 00

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

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

DEVILBISS

www.devilbisscompact.com

Toll Free Technical Support
888-992-4657