Compact™

by DeVILBISS®

PERFORMANCE SERIES

Efficiency • Ergonomics • Environment

Feel the Comfort *Spray the Difference*

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

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.

Designed for Superior Finish Performance

- Compact's design results in a laminar, or streamlined, flow of air allowing for efficient and effective atomization
- Solves complex flow problems inherent whenever air and coatings are mixed
- DeVilbiss R&D team achieved this better solution by taking advantage of evolving technologies, including *Computational Fluid Dynamics* (CFD)
- Using CFD, the air flow in the new Compact Spray Gun is modeled to reduce turbulence and enhance the atomization process
- Air cap and fluid nozzle system to surface transition 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

Tested and Approved World-Wide

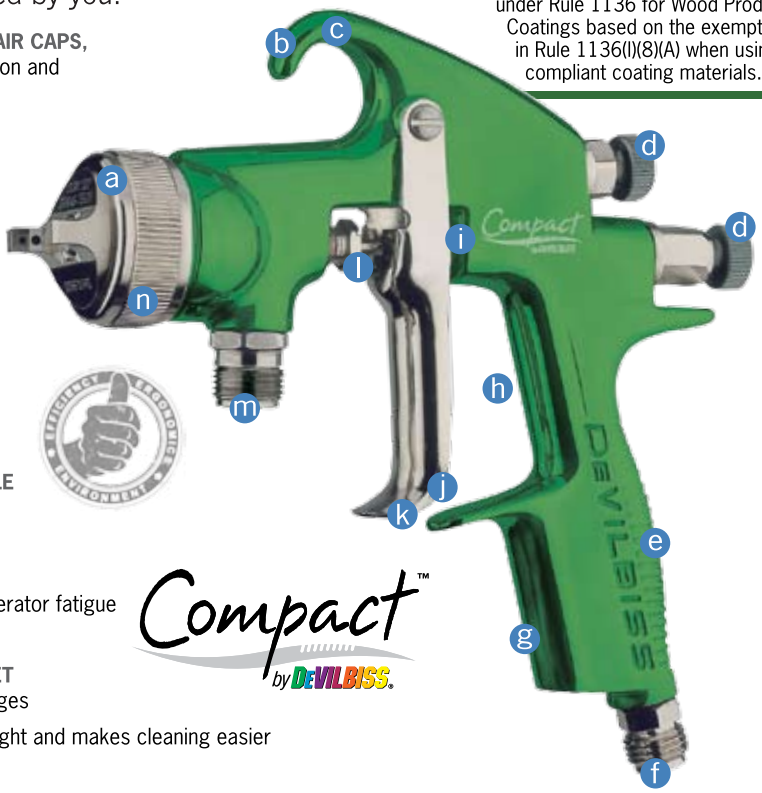
- Suitable for all industries
- Handles solvent and waterborne materials including high solids and 2k

"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."

Smaller Gun ... Bigger Payback

Get your hands on the Compact Gun designed by you!

- (a) **NEW "TRANS-TECH," HVLP OR CONVENTIONAL 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" UNIVERSAL THREAD** Air inlet
- (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" UNIVERSAL THREAD 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



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

Trans-Tech™

Green Means Maximum Efficiency with Environmental Responsibility

- Superior atomization with the new DeVilbiss **TRANS**FER-**TECH**NOLOGY.
- 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
COM-510	10 scfm (283 l/min)	7.9" (220 mm)
COM-522	14.5 scfm (410 l/min)	13.8" (350 mm)

Air Cap, Needle and Fluid Tip Combinations		Siphon Gun	Gravity Gun	Pressure Gun
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-522			■

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
COM-506	12.2 scfm (345 l/min)	11.8" (300 mm)
COM-507	17.3 scfm (490 l/min)	15.7" (400 mm)

Air Cap, Needle and Fluid Tip Combinations		Siphon Gun	Gravity Gun	Pressure Gun
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	■	■	■

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
COM-430	12 scfm (339 l/min)	7.9" (200 mm)
COM-497	18 scfm (510 l/min)	13.8" (350 mm)

Air Cap, Needle and Fluid Tip Combinations		Siphon Gun	Gravity Gun	Pressure Gun
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-497			■

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

Compact Gun Selection

Three Steps

1 DETERMINE TECHNOLOGY DESIRED

Trans-Tech (Green):	Energy and transfer efficiency, along with atomization quality, are priorities.
HVLP (Blue):	HVLP is required by a regulatory agency and atomization quality and high transfer efficiency are desired.
Conventional (Silver):	Traditional atomization technology, where energy and transfer efficiency are not priorities.

2 DETERMINE FLUID DELIVERY SYSTEM

Siphon:	A "traditional" cup gun is desired. Some control of the fluid is lost using a siphon feed gun when compared to a gravity feed gun.
Gravity:	Production will not cause frequent refilling of the cup. Low to medium viscosity coatings are used.
Pressure:	Production causes a "cup gun" to be frequently refilled, or — Coating is very high in viscosity (thicker paint), or — Gun will be used in non-conventional positions (ie. up-side down).

3 DETERMINE AIR CAP MODEL AND NEEDLE/TIP SIZE

AIR CAPS

Trans-Tech (Siphon):	510 - Lower viscosity, lower flow rates
Trans-Tech (Gravity):	510 - Lower to medium viscosity, lower to medium flow rates
Trans-Tech (Pressure):	510 - Lower to medium viscosity, lower to medium flow rates 522 - Lower to high viscosity, lower to high flow rates
HVLP (Siphon):	507 - Lower viscosity, lower flow rates
HVLP (Gravity):	506 - Lower to medium viscosity, lower to medium flow rates 507 - Lower to medium viscosity, lower to medium flow rates
HVLP (Pressure):	506 - Lower to medium viscosity, lower to medium flow rates 507 - Lower to high viscosity, lower to high flow rates
Conventional (Siphon):	430 - Lower viscosity, lower flow rates
Conventional (Gravity):	430 - Lower to medium viscosity, lower to medium flow rates
Conventional (Pressure):	430 - Lower to medium viscosity, lower to medium flow rates 497 - Lower to high viscosity, lower to high flow rates

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)

DEVILBISS®

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