

TRANS-TECH® COMPLIANT OR ADVANCED CONVENTIONAL TECHNOLOGY



# Compact

by DEVILBISS®

IN YOUR HAND IT SPEAKS FOR ITSELF...

...significantly raising the benchmark in  
spraygun performance  
and productivity

NOW INCLUDING  
GRAVITY FEED





# It's light, it feels right, it's the high performance spraygun

Compact is the Lightest, Fastest, Toughest, Range of DeVilbiss Spray Guns which brings Performance, Operator Ergonomics and Coatings Atomisation into the 21st Century.

**DEVILBISS** world-renowned spraygun performance established the standard by which all other sprayguns are judged. That benchmark is now significantly raised in the shape of the DeVilbiss Compact. Following wide ranging consultation, new Compact is the spraygun our customers helped design. Above all, you demanded a smaller, lightweight, easy to handle gun to reduce operator fatigue, coupled with high performance atomisation to optimise material transfer.

Extensive research and development incorporating the latest computational fluid dynamics produced working prototypes that were evaluated by spraygun users and leading paint and coatings companies throughout the world. Only after detailed refinement and exhaustive field-testing was DeVilbiss convinced that the new Compact was exactly what our customers' wanted - a spraygun that set's completely new standards in spraygun performance and productivity.



## A Compact to match your specific needs

The comprehensive Compact range ensures there's a spraygun to suit all types of applications. Pressure, Suction and Gravity feed, the Compact family of spray guns utilise a completely new range of "Advanced Conventional" AND "Trans-Tech®" Air Caps. To provide outstanding coatings' atomisation for handling all types of solvent and waterborne materials. Compact is precision built using the best component parts for a reliable, long and durable working life.

## Unequalled performance at work

Compact's unrivalled high performance is achieved with new design technologically advanced high capacity air passages and concentric air valve to provide an unrestricted flow of compressed air through the body of the gun. The "free breathing" air movement enables the precision-engineered air caps with stainless steel fluid tips and needles to produce superior atomisation with consistent even distribution throughout the spray pattern.

## Feel comfortably better off

Ultra light with curved ergonomic handle and lighter trigger action with increased finger room, new Compact feels perfectly balanced, naturally comfortable. It greatly reduces operator fatigue and significantly lessens the chances of RSI or finger problems. Comfort that pays off by increasing productivity wherever Compact sprayguns are used, whether it's a small finishing operation or a high volume production line.

## Pressure, Gravity and Suction - the complete range



- Robust, ultra light, work friendly design for higher output
- Trans-Tech® fully EPA compliant for Superior material transfer efficiency & savings
- Precision high grade Stainless steel fluid tips and needles as standard
- Easy Air Cap positioning and re-positioning
- Advanced-Conventional air caps for all applications
- New Trans-Tech® Compliant or Advanced-Conventional air caps for superb finishes
- Curved handle feels right
- Enhanced operator comfort which lessens user fatigue
- Increased finger space for easy access
- Easy precision control
- Reduced travel with lighter trigger action reduces operator RSI and finger problems
- Ultra Lightweight greatly reduces RSI & Operator fatigue
- Easy to clean with fewer parts means low running cost
- CE marked and fully ATEX approved
- Exhaustively tested and thoroughly operator approved
- High speed application with consistent laydown and superior finish
- Suitable for all Industries - handles solvent and waterborne materials, including Low, Medium, High solids and 2K.
- Robust construction with forged aluminium body for a long working life
- Fully compatible with all types of air and fluid feed systems
- Lower air consumption and pressures - Reduced cost of ownership
- Backed by expert DeVilbiss Sales after Sales and Technical support

NB: Patents apply

*you helped design*



*Compact*

**ADVANCED-CONVENTIONAL**  
outperforms the rest

"Silver" Compact's unique high capacity airflow and outstanding atomisation characteristics coupled with light, feel right comfort is an unbeatable combination. Compact's Advanced Conventional Air Caps makes them the ideal guns for small operations or high volume spraying, with the added bonus of instantly improved finishing productivity.

**DEVILBISS**

Whatever the Substrate you're spraying – Wood, Metal, Plastic, Leather, Ceramic's or any other material COMPACT by DEVILBISS is the Spray Gun to choose.

**Compact**  
by DEVILBISS.

### Operator experience says it all -

#### COMPACT Fully tried and tested

**"Automotive OEM Production Manager"** - "COMPACT makes an average Sprayer into an Exceptional Sprayer".

**"Aerospace Paint Shop Sprayer"** - "The Compact Gravity Spray Gun only used 1.25 cups of paint compared to 2 full cups with our old gun – this really shows how much paint we are saving with the DeVilbiss Compact Gravity Gun". (This amounts to a 37% saving!!!!).

**"Automotive OEM Plastics Paint Shop Supervisor"** - "Compact has eliminated our long standing problem with paint mottling and provides excellent colour match and a better finish than the old guns".

**"Tier 1 Plastics sprayer"** - "Compact's a lot Lighter and fit's the hand better - I don't feel so tired at the end of the Day".

**"Furniture operator"** - Compact's better than our old guns, it handles all of our materials and always gives the finish we want".

**"Aerospace Paint Shop Supervisor"** - Compact has provided a better finish with accurate deposition - film thicknesses, it's easier to set-up and very simple to strip and clean".

**"Tier 1 Plastics Production supervisor"** - "Compact is Fast and produces less over spray, so we save time and money on paint and we don't have to clean the booths so often".

**"Trade Coater - manager"** - "Compact is a tough and rugged spray gun that is easy to switch from suction, gravity or pressure applications and the operators really like the fit & feel".

**"Ceramics operator"** - "The good even laydown provided by Compact saves re-works and reduces rejects".

### Compact Fluid Feed Equipment

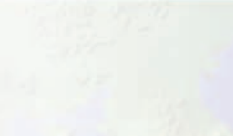
Binks and DeVilbiss offer a comprehensive range of spray gun fluid feed products, including:- stainless steel and galvanised steel pressure feed tanks, stainless steel, aluminium and acetal constructed diaphragm pumps, reciprocating 2 ball and 4 ball piston pumps, stainless steel and aluminium 2 litre pressure cups. 1 litre aluminium and blue coated suction cups, 568ml gravity cups in both acetal and polyester materials.



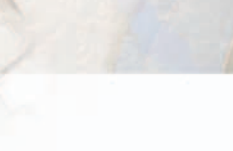
Aerospace



Wood Finishing



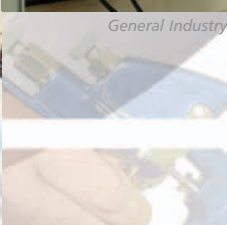
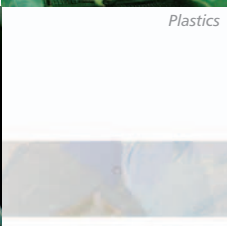
Automotive OEM



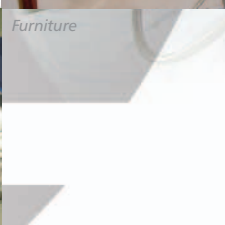
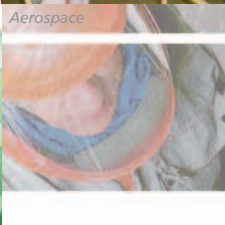
Furniture



Ceramics



General Industry



*you helped design*



*Compact*

**TRANS-TECH<sup>®</sup> COMPLIANT**  
for optimum output

"Blue" Compact utilises the very latest advances in EPA compliant **Transfer-Tech** technology. This provides considerable paint savings whilst producing the highest levels of atomisation, high speed application with flow rates of up to 600cc/min or more. Such exceptionally efficient material transfer ensures optimum coverage and paint usage while complying with the toughest EPA legislation

## COMPACT Air Cap, Needle and Fluid Tip combinations:

COMPACT'S unrivalled spray performance is achieved with the utilisation of the very latest "cutting edge" atomisation technology. We offer a range of high-grade Stainless Steel

Fluid Tips and Needles, matched with either "TRANS-TECH®" Compliant/HVLP or "Advanced-Conventional" Air Caps, manufactured from Plated Hard Brass for a long and durable

working life. Please select your Compact spraygun preference and nozzle combination's from the charts below to provide you with the Optimum performance for your individual spray process.

### COMPACT TRANS-TECH® COMPLIANT



**Compact "Blue"**  
Trans-Tech **PRESSURE** Gun  
**Fluid Tip/needle size and code [mm]**  
0.8, 1.0, 1.2, 1.3, 1.4, 1.6, 1.8, 2.0, 2.2  
**Trans-Tech PRESSURE Air Cap codes**  
COM-522, COM-510, COM-505 (HVLP)



**Compact "Blue"**  
Trans-Tech **SUCTION** Gun  
**Fluid Tip/needle size and code [mm]** 1.6, 1.8, 2.0, 2.2  
**Trans-Tech SUCTION Air Cap codes** COM-510 or COM-505(HVLP)  
Compact gun shown with blue 1 litre suction cup for waterborne applications - Part No. KRW-502-B



**Compact "Blue"**  
Trans-Tech **GRAVITY** Gun  
**Fluid Tip/needle size and code [mm]** 1.3, 1.6, 1.8, 2.0  
**Trans-Tech GRAVITY Air Cap codes** COM-510 or COM-505(HVLP)  
Compact GRAVITY gun shown with standard 568ml Gravity Cup - part no GFC501. Cup also available in Blue Polyester for aggressive materials order pt no GFC511.

### COMPACT ADVANCED CONVENTIONAL



**Compact "Silver"**  
Conventional **PRESSURE** Gun  
**Fluid Tip/needle size and code [mm]**  
0.8, 1.0, 1.2, 1.3, 1.4, 1.6, 1.8, 2.0, 2.2  
**Advanced Conventional PRESSURE Air Cap codes**  
COM-430 or COM-497



**Compact "Silver"**  
Conventional **SUCTION** Gun  
**Fluid Tip/needle size and code [mm]** 1.6, 1.8, 2.0, 2.2  
**Advanced Conventional SUCTION Air Cap code** COM-430  
Compact gun shown with standard aluminium 1 litre suction cup - Part No. KR-566-1-B



**Compact "Silver"**  
Conventional **GRAVITY** Gun  
**Fluid Tip/needle size and code [mm]** 1.3, 1.6, 1.8, 2.0  
**Advanced Conventional GRAVITY Air Cap code** COM-430  
Compact GRAVITY gun shown with standard 568ml Gravity Cup - part no GFC501. Cup also available in Blue Polyester for aggressive materials order pt no GFC511.

**IMPORTANT:** Existing DeVilbiss spray gun users will notice a familiarity with COMPACT Air Cap numbering codes. We have taken care to allow customers to "cross-reference" between our traditional GTi, JGA & GFG guns and New technology Compact gun Air Caps. This dramatically reduces the amount of operator training required to introduce COMPACT into your production facility.

**For example:-** A DeVilbiss JGA Gun fitted with type 30 Conventional Air Cap is generally equivalent to COMPACT fitted with NEW type 430 Advanced Conventional Air Cap. DeVilbiss GTi Gun fitted with type 122 Compliant Air Cap is generally equivalent to COMPACT fitted with NEW type 522 Trans-Tech air cap, etc. (traditional DeVilbiss air caps will not fit onto COMPACT Guns).

**Switch to COMPACT Today** – existing spraygun users should see an improvement in performance and paint savings with the "Latest Technology" COMPACT Trans-Tech®.

#### Spray gun inlet thread sizes & type :-

Air Connection –

1/4" (m) Universal Thread size, accepts BSP and/or NPS connectors.

Fluid Connection –

3/8" (m) Universal Thread size, accepts BSP and/or NPS connectors.

COMPACT Air Cap Number and Type	Air Consumption	Gun Handle Air Inlet Pressure Bar (psi) recommended	*Typical Fluid Flow ml	*Typical Fan Pattern size mm
COM-430 Conventional Suction, Gravity & Pressure	339 l/min (12 scfm)	3.5 bar (50 psi)	200-280	200
COM-497 Conventional Pressure	510 l/min (18 scfm)	3.5 bar (50 psi)	200-600	380
COM-505 (HVLP) Suction, Gravity & Pressure	385 l/min (13.6 scfm)	1.4 bar (20 psi)	130-190	270
COM-510 Trans-Tech Suction, Gravity & Pressure	283 l/min (10 scfm)	2 bar (29 psi)	160-220	270
COM-522 Trans-Tech Pressure	410 l/min (14.5 scfm)	2 bar (29 psi)	200-600	350

Gun Weight: Pressure/Suction 430 grams (gun only) – Gravity 415 grams (gun only)

COM-505(HVLP) air cap operates at 0.7 bar (10 psi) at the cap.

\*Flow rates and fan size will vary according to paint/material viscosity and pressures used.

**Example of COMPACT Spraygun part numbering:-** COM-P522B-12 means...

COM = COMPACT GUN      P = Pressure      522 = Trans-Tech Air Cap  
B = Blue Gun              12 = 1.2 Fluid tip and needle

**Note:** Compact Trans-Tech Air Caps will not operate on "Silver" Conventional Spray guns. The above tables list all the Compact tip to cap combinations, however all "same technology" air caps and fluid tips are interchangeable. For further technical features and benefits please see the COMPACT Service Bulletin.

Compact sprayguns are available as "boxed" pressure gun only, compact "suction gun kits" including 1 litre cup and Compact gravity feed kits c/w 568 ml gravity cup.

#### APPROVED DISTRIBUTOR

**Compact**  
by **DEVILBISS**

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