



COMPACT-X AUTOMATIC SPRAY GUN

CONVENTIONAL (SILVER)
TRANS-TECH (GREEN)
HVLP (BLUE)



Replacement Parts Ordering Information	SEE PAGE 4
Explanation of Conventional, Trans-Tech and HVLP	SEE PAGE 9
Complete Spray Gun Assembly Ordering Information	SEE PAGE 10
Installation Details	SEE PAGES 11, 13, 14, 15



Operation Manual

Compact-X Automatic Spraygun

Important

Read and follow all instructions and Safety Precautions before using this equipment

CHARACTERISTICS

This automatic spray gun complies to ATEX regulations 94/9/EC, protection level II 2 G X, suitable to use in Zones 1 & 2.

This Compact-X spray gun is a production spray gun suitable for use with automatic and semi-automatic machines in conventional, HVLP or Trans-Tech applications. (See page 9 for application details.)

Compact-X has a ¼ turn Quick detachable manifold, so to reduce maintenance & set up time. To handle a wide range of coating materials the fluid passages are

manufactured from high grade stainless steel. Several needles are available with plastic tips.

This spray gun can be provided with an indexed air cap (order separately.) You can leave your air cap capable of free rotation by removing the indexed plastic ring which is located by 2 pins on the air cap. Pressure feed material supply can be re-circulating or direct.

The needle adjustment knob has 18 ratchet positions (per one revolution of the knob) which allows fine and accurate fluid flow control.

SPECIFICATIONS & MATERIALS OF CONSTRUCTION

	Thread	Pressure
Fluid inlet & recirculation "P" & "R"	1/8" BSPP(F)	Max 7 Bars (100 psi)
Air inlet (Atom+Fan) "A" & "F"	1/8" BSPP(F)	Max 7 Bars (100 psi)
Cylinder/trigger "Cyl"	1/8" BSPP(F)	4 to 7 Bars (60-100 psi)
Maximum temperature in use	40° C (104° F)	
Spray gun weight	950 gms (2 lbs)	
Gun body	Aluminium hard anodized	
Tip / Needle / Spray head/ Base plate	Stainless steel 303	

EC Declaration of Conformity

We, **Finishing Brands UK, Ringwood Rd, Bournemouth, Dorset, BH11 9LH, UK**, as the manufacturer of the **Spray gun model COMPACT-X**, declare, under our sole responsibility that the equipment to which this document relates is in conformity with the following standards or other normative documents:











BS EN 292-1 PARTS 1 & 2: 1991, BS EN 1953: 1999; and thereby conform to the protection requirements of Council Directive **98/37/EEC** relating to **Machinery Safety Directive**, and; **EN 13463-1:2001**, council Directive **94/9/EC** relating to **Equipment and Protective Systems** intended for use in **Potentially Explosive Atmospheres** protection level **II 2 G X**.

D. Smith, General Manager
12th February 2014

DeVilbiss reserves the right to modify equipment specification without prior notice.



SAFETY WARNINGS

   	<p>FIRE AND EXPLOSION</p> <p>Solvents and coating materials can be highly flammable or combustible when sprayed. ALWAYS refer to the coating material supplier's instructions and MSDS sheets before using this equipment.</p> <p>Users must comply with all local and national codes of practice and insurance company requirements governing ventilation, fire precautions, operation and house-keeping of working areas.</p> <p>This equipment, as supplied, is <u>NOT</u> suitable for use with <u>Halogenated Hydrocarbons</u>.</p> <p>Static Electricity can be generated by fluid and/or air passing through hoses, by the spraying process and by cleaning non-conductive parts with cloths. To prevent ignition sources from static discharges, earth continuity must be maintained to the spraygun and other metallic equipment used. It is essential to use conductive air and/or fluid hoses.</p>
    	<p>PERSONAL PROTECTIVE EQUIPMENT</p> <p>Toxic vapors – <i>When sprayed, certain materials may be poisonous, create irritation or be otherwise harmful to health. Always read all labels, safety data sheets and follow any recommendations for the material before spraying. If In doubt, contact your material supplier.</i></p> <p>The use of respiratory protective equipment is recommended at all times. The type of equipment must be compatible with the material being sprayed.</p> <p>Always wear eye protection when spraying or cleaning the spray gun</p> <p>Gloves must be worn when spraying or cleaning the equipment.</p>
	<p>TRAINING</p> <p>Personnel should be given adequate training in the safe use of spraying equipment.</p>
	<p>MISUSE</p> <p>Never aim a spray gun at any part of the body.</p> <p>Never exceed the max. recommended safe working pressure for the equipment.</p> <p>The fitting of non-recommended or non-original spares may create hazards.</p> <p>Before cleaning or maintenance, all pressure must be isolated and relieved from the equipment.</p> <p>The product's metal parts can be cleaned using a gun-washing machine. However, this equipment should not be left inside gun-washing machines for prolonged periods of time. Certain selas and o-rings may not be solvent compatible.</p>
	<p>NOISE LEVELS</p> <p>The A-weighted sound level of spray guns may exceed 85 dB (A) depending on the set-up being used. Details of actual noise levels are available on request. It is recommended that ear protection is worn at all times when spraying.</p>
	<p>OPERATING</p> <p>Spray Equipment using high pressures may be subject to recoil forces. Under certain circumstances, such forces could result in repetitive strain injury to the operator.</p>

PARTS LIST

For the arrangement of the parts, refer to the exploded view on page 5.

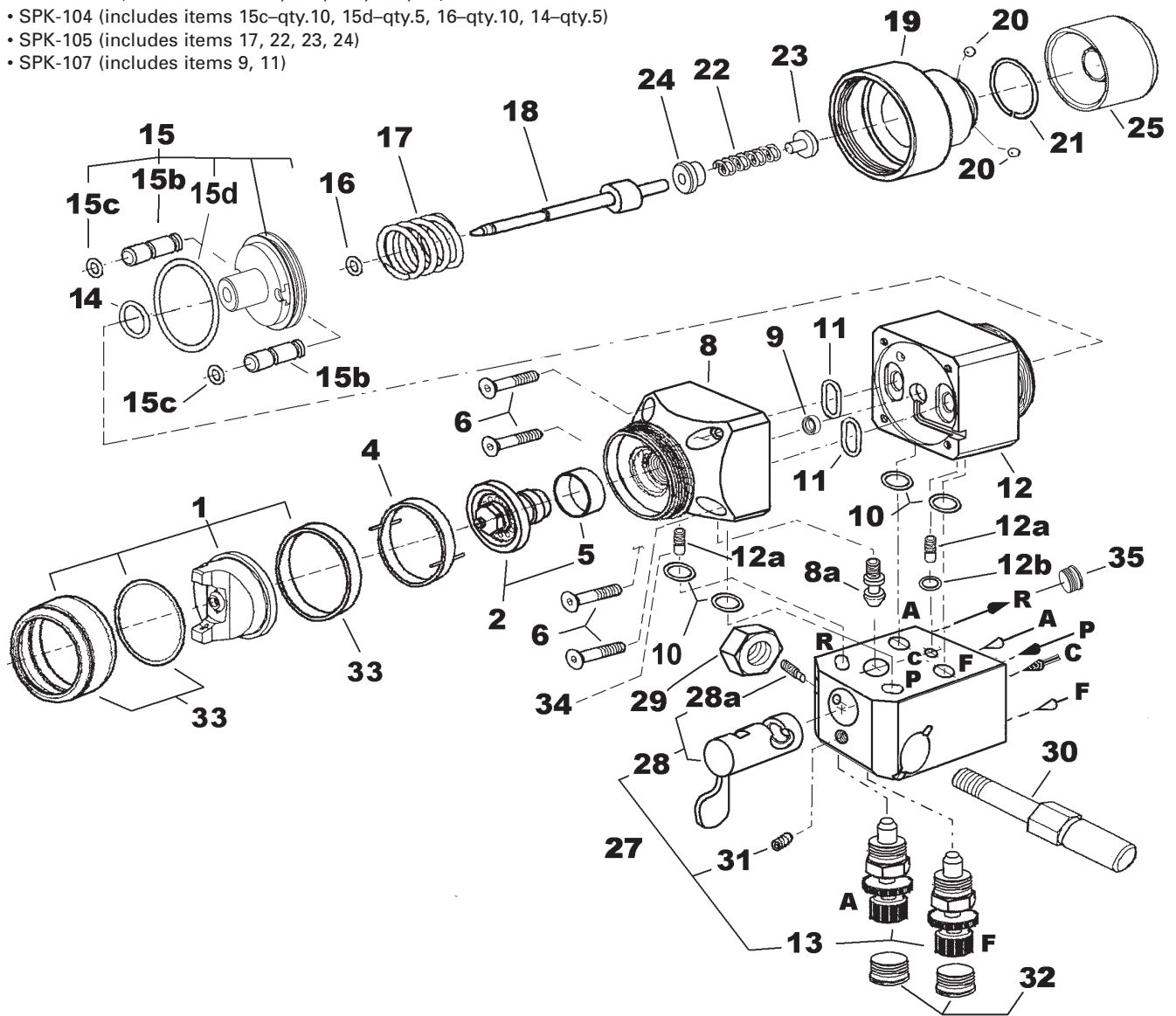
Item	Description	Order Part Number	Qty
1	See chart and reference on page 6. Air cap with retaining ring, seals and no indexing ring.	SP-100-xxx-K	1
2	Fluid tip with air separator seal SPA-27-K5 Ø 0.85 / 1.0 / 1.4 / 1.8 / 2.2 mm Ø 0.5 for Air cap 590 Ø 0.7 mm for Air cap 591	SP-200S-xx-K SP-259S-xx-K	1
4	Locator ring for indexed air cap (optional item)	SPA-112	1
5	Air separator seal (kit of 5 rings)	SPA-27-K5*	1
6	Screw M4 x 25 kit of 4 (Torx 20) — (kit includes items 6, 8a, 12a)	SPK-108*	4
8	Spray head – Compact-X	SPA-50P	1
8a	Fixing rod on base plate (kit includes items 6, 8a, 12a)	SPK-108*	1
9	Packing seal for needle (kit includes items 9▲, 11)	SPK-107*	1
10	O-ring (kit includes items 10, 12b)	SPK-109*	4
11	O-ring gasket (kit includes items 9, 11■)	SPK-107*	2
12	Gun body for Compact-X (-S = Silver / -G = Green / -B = Blue)	SPA-1-CMAX-S SPA-1-CMAX-G SPA-1-CMAX-B	1
12a	Locating air tube (kit includes items 6, 8a, 12a)	SPK-108*	1
12b	O-ring (kit includes items 10, 12b)	SPK-109*	1
13	Air valve (Fan & Atomising air)	AGG-403	2
14	O-ring (kit includes items 14, 15c, 15d, 16)	SPK-104*	1
15	Piston assembly (includes items 14, 15b, 15c, 15d, 16)	SPA-60X-K	1
15b	Piston for air valve (kit includes qty. 2)	SPA-60X-K	1
15c	O-ring for small piston (kit includes items 14, 15c, 15d, 16)	SPK-104*	2
15d	O-ring for large piston (kit includes items 14, 15c, 15d, 16)	SPK-104*	1
16	O-ring piston to needle (kit includes items 14, 15c, 15d, 16)	SPK-104*	1
17	Piston Spring (kit includes items 17, 22, 23, 24)	SPK-105*	1
18	Stainless steel needle 0.5 / 0.7 / 0.85 / 1.0 / 1.4 / 1.8 / 2.2 Plastic tip 1.0 / 1.4	SPA-320-xx SPA-320P-xx	1
19	Housing	SPA-3	1
20	Ring and ball (2) — (kit includes items 20, 21, 25)	SPK-106*	1
21	Ring (kit includes items 20, 21, 25)	SPK-106*	1
22	Needle Spring (kit includes items 22, 23, 24)	SPK-105*	1
23	Spring cap (kit includes items 22, 23, 24)	SPK-105*	1
24	Spring washer (kit includes items 22, 23, 24)	SPK-105*	1
25	Adjusting knob (kit includes items 20, 21, 25)	SPK-106*	1
27	Manifold assembly – complete with lever and air valves	SPA-55-K	1
28	Locking lever (kit includes items 28, 28a & 8a)	SPA-56-K*	1
28a	Retaining screw of locking device (kit includes items 28, 28a & 8a)	SPA-56-K*	1
29	Gun mounting bar nut (kit includes items 29, 30 & 31)	SPK-110*	1
30	Gun mounting bar (kit includes items 29, 30 & 31)	SPK-110*	1
31	M6 hexagon socket head cap screw, length 5.5 (kit includes items 29, 30 & 31)	SPK-110*	2
32	Kit of 2 plugs which replace manual air valve (13) — for remote fan/atom	SPA-111-K2*	1
33	Kit of retaining ring with gasket (kit includes air cap ring and gaskets)	SPK-102-K*	1
34	Recirculation Port Plug (kit includes hex wrench SPA-30)	SPK-116*	1
35	Manifold Plug, 1/8" BSPP (not sold as a spare part)	REF.	1

*Spare parts must be ordered as part of replacement kits listed above. ▲ Item 9: Fluid packings only (10 pack) SPA-86-K10. ■ Item 11: Air gaskets only (10 pack) SPA-53-K10.
See page 10 for additional adapter and fitting kits. Optional: Fluid packings (2 pack) SPA-20-K2

COMPACT-X AUTOMATIC SPRAY GUN

REF. ONLY:

- SPA-60X-K (includes items 14, 15b, 15c, 15d, 16)
- SPK-104 (includes items 15c-qty.10, 15d-qty.5, 16-qty.10, 14-qty.5)
- SPK-105 (includes items 17, 22, 23, 24)
- SPK-107 (includes items 9, 11)



NOTE: SPN-8 Torx Wrench for item 6 shipped with gun.
 SPA-30 Hex Wrench for item 34 shipped with gun.
 SPN-8 and SPN-30 not shown on exploded view above.

See page 10 for standard set-ups.
 See page 11 for hook-up schematic.

**COMPACT-X AUTOMATIC GUN
 EXAMPLE OF PART NUMBERING SYSTEM**

CMAx-B85PM-507

CMAx-	B	85	P	M	507
Compact-X Automatic Manifold Type Spray Gun	B = Blue (HVLP) G = Green (Trans-Tech) No Letter = Conventional	85 = .85 mm Fluid Nozzle and Needle 00 = No Fluid Nozzle, No Needle	P = Plastic Needle - or no letter = Stainless Steel Needle	M = With Manifold O = No Manifold	507 = Air Cap

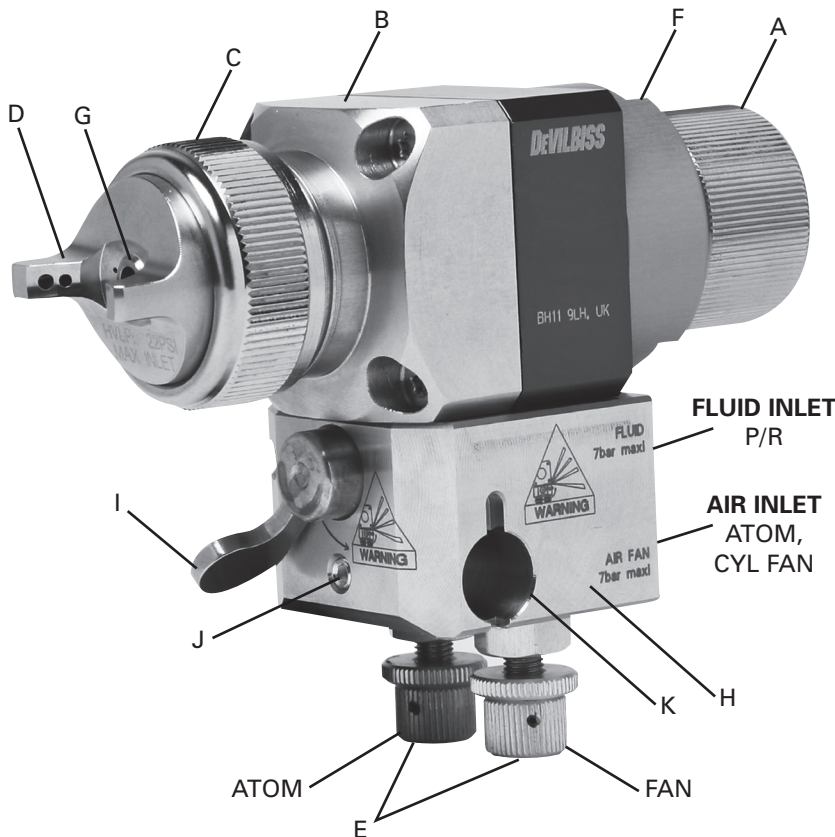
COMPACT-X AUTOMATIC GUN — AVAILABLE AIR CAPS

Air cap	Type	Air Flow		Pressure at Inlet		Fluid Flow		Pattern size @ 8" distance	
		SCFM	l/min	psi	bar	oz/min	ml/min	in	mm
SP-100-430-K	Conventional	12	340	50.7	3.5	6.7 - 9.5	200 - 280	7.9	200
SP-100-443-K	Conventional	12.2	345	43.5	3.0	6.7 - 10.1	200 - 300	11.8	300
SP-100-497-K	Conventional	18	510	50.7	3.5	6.7 - 20.2	200 - 600	15.0	380
SP-100-500R-K	HVLP Round Spray	6.8	200	16.0	1.1	.6 - 5.0	20-150	1.6	40
SP-100-507-K	H V L P	19	385	40	1.4	4.4 - 6.5	130 - 190	10.6	270
SP-100-510-K	Trans-Tech	10	283	29	2.0	5.4 - 7.5	160 - 220	10.6	270
SP-100-513-K	Trans-Tech	18.8	531	43.5	3.0	6.7 - 20.2	200 - 600	13.8	350
SP-100-522-K	Trans-Tech	14.5	410	29	2.0	6.7 - 20.2	200 - 600	13.8	350
SP-100-590-K	Trans-Tech	7.7	218	29	2.0	1.6 - 5.0	50 - 150	6.0	150
SP-100-591-K	Trans-Tech	12.3	350	29	2.0	1.7 - 5.1	50 - 150	4.5	115
KK-5090-507	HVLP Test Kit – includes cap, gauge & tube								

Other test kits available: KK-5090-430, KK-5090-443, KK-5090-497, KK-5090-506, KK-5090-510, KK-5090-513, KK-5090-522, KK-5090-590

COMPACT-X AUTOMATIC GUN — AIR CAP / FLUID TIP COMBINATIONS

		TYPE	CONVENTIONAL			HVLP		TRANS-TECH				
AIR CAP MODEL NO.			430	443	497	500R	507	510	513	522	590	591
FLUID TIP SIZES	.020" (0.5 mm)										X	X
	.028" (0.7 mm)											X
	.033" (0.85 mm)				X	X	X	X	X	X		X
	.039" (1.0 mm)	X	X	X	X	X	X	X	X	X		
	.055" (1.4 mm)	X	X	X	X	X	X	X	X	X		
	.070" (1.8 mm)	X	X	X	X	X	X	X	X	X		
	.086" (2.2 mm)	X	X	X	X	X	X					



A	Needle travel adjusting knob – 18 positions per 1 turn
B	Gun head – stainless steel
C	Air cap ring
D	Air cap
E	Air valve (fan / atom)
F	Spray gun body – anodized aluminum
G	Fluid tip – stainless steel
H	Manifold – stainless steel
I	Manifold locking lever
J	Support tightening screw
K	Spray gun mounting hole – 1/2" diameter
P/R	Fluid inlet, fluid return

INSTALLATION

AIR AND FLUID HOSES

See pages 11, 13, 14 and 15 for installation details.

Use separate filtered regulated air supplies for atomizing and cylinder air. Connect all the air and fluid hoses at the back of the manifold (1/8" BSP): (See figure)

- Cylinder air '**C = Cyl**' via a control valve. For fast cylinder operation the control valve should be fitted as close to the gun as possible or an additional quick exhaust valve installed in the line.
- Separated atomizing and fan "**F**" & "**A**" air supply.
- Material hose '**P**'. If material re-circulation is required, remove the plug from port '**R**' (35) and plug from spray head (34).

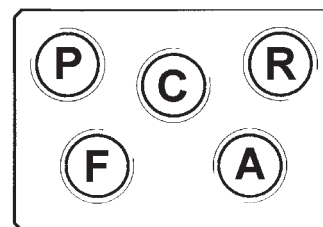
Recommended hose size up to 34 ft. (10 m) long:

Atomization Air = 0.315 in. (8 mm)

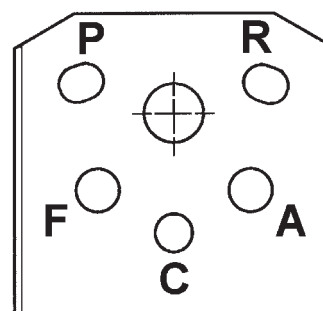
Cylinder Air = 0.236 in. (6 mm)

Material = 0.315 in. (8 mm)

BACK Face of Manifold



TOP Face of Manifold



Important: The Spray gun must be grounded to dissipate any electrostatic charges which may be created by fluid or air flows. This can be achieved through the Spray gun mounting, or conductive air/fluid hoses. Electrical bond from the spray gun to earth should be checked with an ohmmeter. A resistance of less than 10⁶ Ohms is recommended.



Important: To ensure that this equipment reaches you in first class condition, protective coatings have been used. Flush the equipment through with appropriate solvent before use. Fix the spray gun base plate using mounting stem ref.30 and secure it with nut ref.29.

SETTING

Check that the gun has all of the O-rings installed on the sealing surface and check that the locking device (28) is in the correct position to lock the spray gun on to the connecting plate.

1. The **ATOM 'A'** air valve controls the atomizing air pressure.
2. The **FAN 'F'** valve controls the spray pattern size.
3. Fluid flow is adjusted with the rear ratchet knob (25).

For the arrangement of the parts, refer to the exploded view on page 5.

START UP

1. Turn the needle adjusting knob (25) clockwise until the needle is fully closed.
2. Turn the **FAN 'F'** and **ATOM 'A'** air valves (13) counter-clockwise to be full open.
3. Use the air cap chart to set the air pressure at the air regulator to achieve recommended pressures.
4. Turn the adjusting knob (25) counter clockwise to obtain the desired fluid flow.
5. Test spray. If the finish is too dry or fine, reduce the airflow by reducing the air inlet pressure or by screwing the valve **ATOM 'A'** (13) in clockwise, or increase the fluid flow using ratchet knob, rotating counter clockwise.

INSTALLATION (CONTINUED)

START UP (continued)

6. If the finish is too wet, turn the ratchet knob (25) in clockwise to reduce the fluid flow, or reduce the fluid pressure. If the atomization is too coarse, increase inlet air pressure, or reduce fluid flow.
7. The pattern size can be reduced by turning adjusting valve **FAN 'F'** (13) clockwise.
8. The spray pattern will give the best results when perpendicular to the target.
9. The recommended spray distance is 6" to 8" (150-220 mm).
10. Spray edges first. Overlap each stroke a minimum of 50%. Move gun at a constant speed.
11. Always turn off air and fluid supply and relieve pressure and clean down when gun is not in use.

MAINTENANCE

PREVENTIVE MAINTENANCE



Turn off air and coating supply and relieve pressure in the supply lines, or disconnect from airline and fluid line.

1. Unlock the spray gun from the base plate, remove it, and if available re-attach an alternative gun. Now the spray gun maintenance can be done outside the spray booth while production is still continuing.
2. Remove air cap (1) and clean. If any of the holes in the cap are blocked with coating material use a toothpick to clean. Never use metal wire which could damage the cap and produce distorted spray patterns
3. Ensure the nozzle of the fluid tip (2) is clean and free from damage. Any build up of dried paint can distort the spray pattern.

REPLACEMENT OF PARTS



Turn off air and coating supply and relieve pressure in the supply lines, before any maintenance operation.

TIP (2) & NEEDLE (18)

Remove the air cap (1) by unscrewing its retaining ring counter- clockwise, remove the index ring if it remains on the gun head (if fitted and used).

Remove the tip (2) and its air separator ring (3) by unscrewing counter- clockwise with 10mm hexagonal spanner.

Unscrew the adjusting needle knob (25) fully in counter-clockwise rotation, push the needle from the front of the spray gun, carefully so to avoid damage the needle end, then pull out the needle (18) from the back.

If necessary, replace the needle and the tip, first refitting the tip with its air separator ring (recommended torque between 9,5 to 12 Nm).

Lubricate all the surface of the needle which will be in contact with the packing and o ring. Slide the needle into the spray gun from the back. Fit the needle springs with its plastic pad (22,23,24) and replace the needle adjusting knob (25).

PACKING SEAL (9)

Unscrew the air cap (1), tip (2) and its air separator ring (3).

Unscrew the 4 screws (6) to disassemble the gun head (8). Push back the packing seal (9) using a 5,5mm diameter rod from the front of the gun head. Clean the packing location hole carefully with adequate solvent.

Fit a new packing seal (9) U face towards the fluid passage.

REPLACEMENT OF PARTS (CONTINUED)

FAN & ATOM AIR VALVE (13)



Before assembling, check the air valve is in fully open position by unscrewing it counter-clockwise.

PISTON (15), O RING (16, 14 & 15C)

Unscrew the rear housing (19) at the back of the gun body counter clockwise, pull out the needle (18).

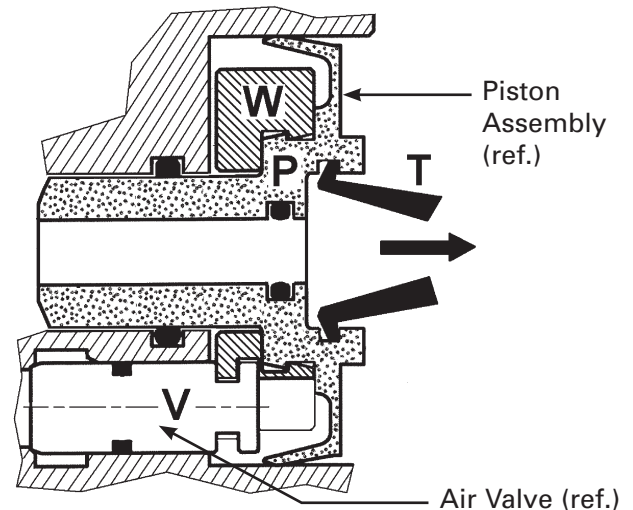
Use bent nose pliers "T" so to pull out the piston which has a 12mm internal groove for this purpose.

Piston "P+W" and two valve "V" will pull out at the same time. The ring "W" is located by pressing it onto the piston body and can not be removed from it.

The valve "V" can be removed easily from the piston ring. We recommend to replace the full piston at the same time (Item number SPA-60x-K).

It's recommended to replace all the O-rings (14, 16 & 15c) in the gun body as soon you disassemble the Piston from the gun.

Slightly lubricate the piston lip before fitting again into the gun body. Use petroleum jelly to lubricate the piston parts and o-rings.



DEVILBISS SPRAY GUN TECHNOLOGY—APPLICATION DETAILS

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.

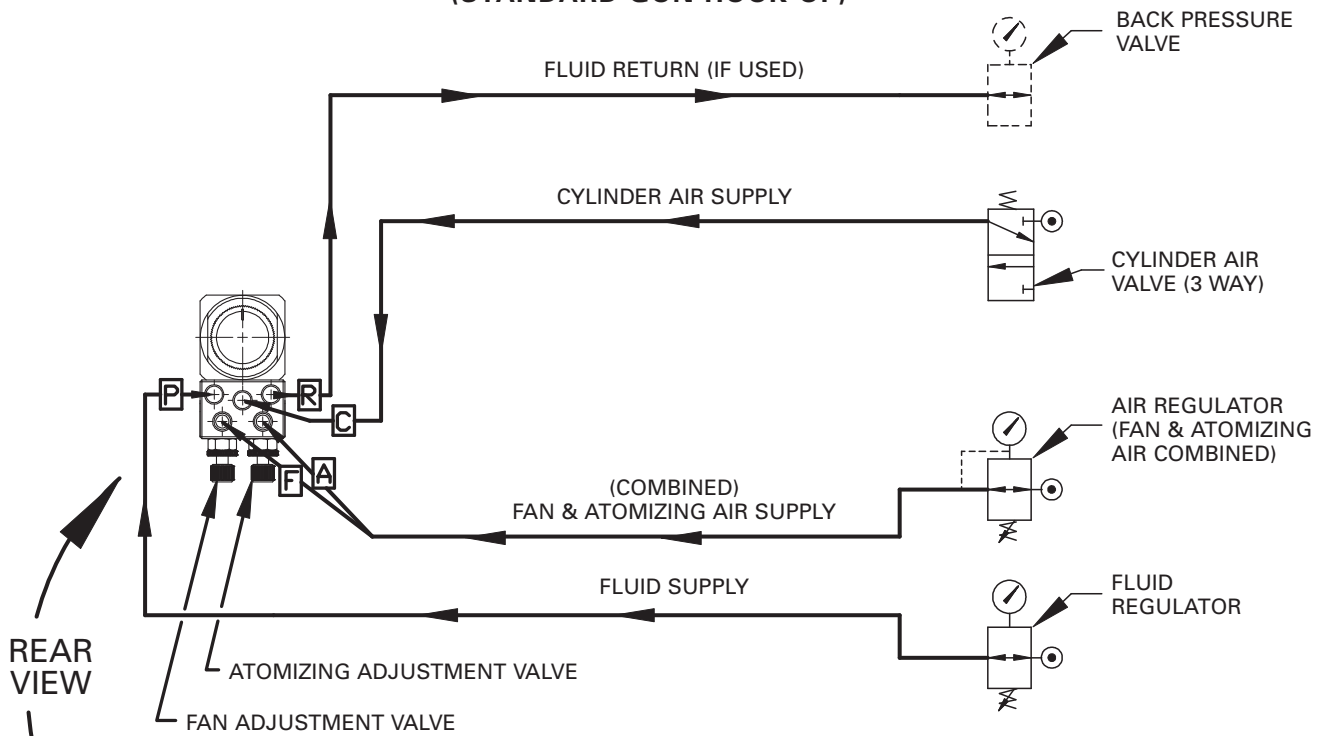
Compact's Advanced Conventional Air Caps make this gun the ideal performer in both small operations or high volume facilities, with the added bonus of instantly improved finishing productivity.

STANDARD SET-UPS AVAILABLE FOR COMPACT-X AUTOMATIC SPRAY GUN

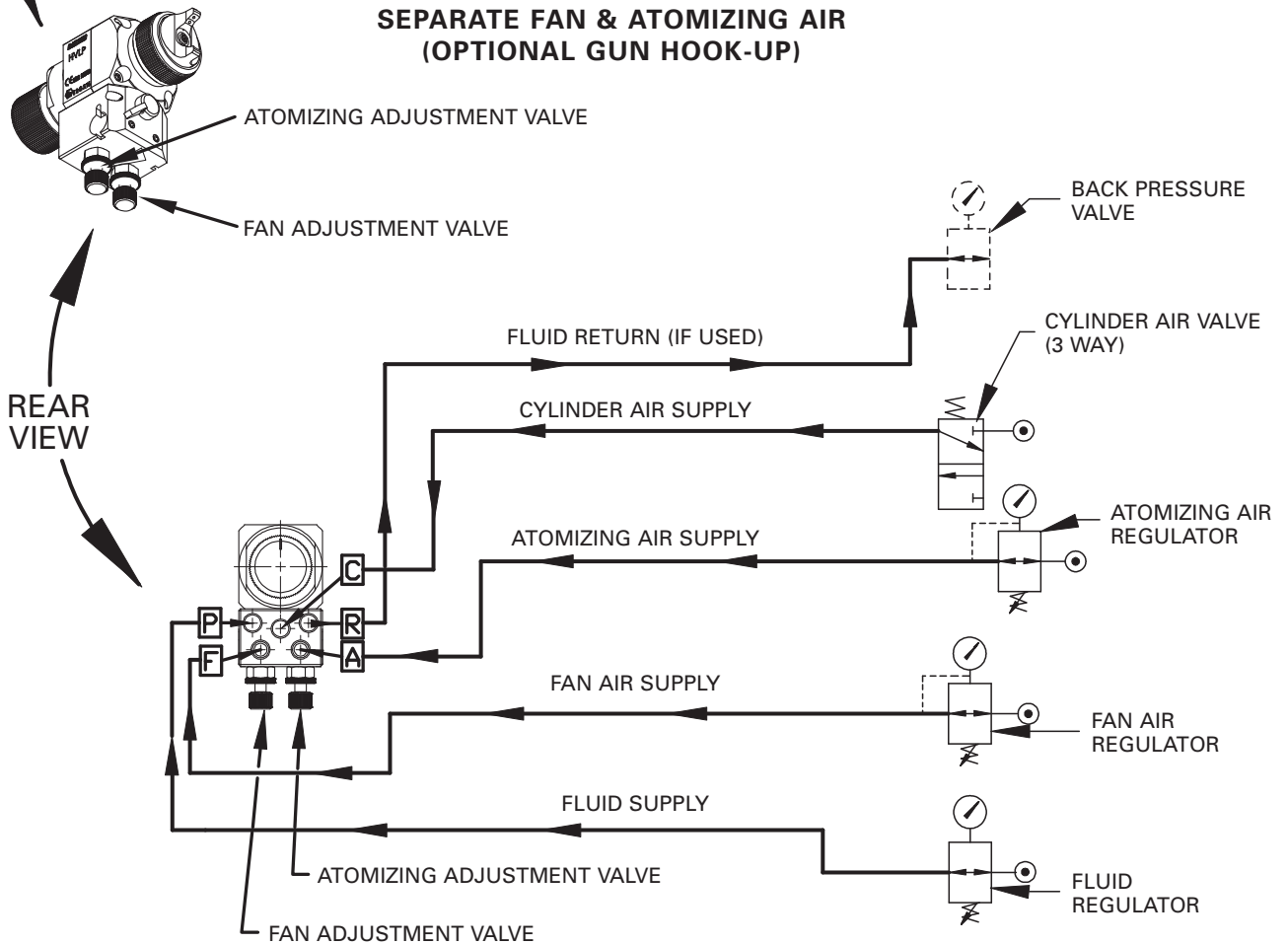
PART NUMBER	DESCRIPTION
HVLP GUNS	
CMAX-B85-M	COMPACT AUTO-X HVLP .85 MM W/ MANIFOLD NO CAP
CMAX-B10-M	COMPACT AUTO-X HVLP 1.0 MM W/ MANIFOLD, NO AIR CAP
CMAX-B14-M	COMPACT AUTO-X HVLP 1.4 MM W/ MANIFOLD, NO AIR CAP
CMAX-B18-M	COMPACT AUTO-X HVLP 1.8 MM W/ MANIFOLD, NO AIR CAP
CMAX-B85PM	COMPACT AUTO-X HVLP .85 MM PLASTIC NEEDLE W/ MANIFOLD, NO AIR CAP
CMAX-B14PM	COMPACT AUTO-X HVLP 1.4 MM PLASTIC NEEDLE W/ MANIFOLD, NO AIR CAP
CMAX-B10-M-507	COMPACT AUTO-X HVLP 1.0 MM WITH MANIFOLD, 507 AIR CAP INCLUDED
CMAX-B14-M-507	COMPACT AUTO-X HVLP 1.4 MM WITH MANIFOLD, 507 AIR CAP INCLUDED
CMAX-B00-0	COMPACT AUTO-X HVLP NO MANIFOLD , LESS-- NOZZLE, NEEDLE, CAP
TRANS-TECH GUNS	
CMAX-G05-M-590	COMPACT AUTO-X TRANS .5 MM W/ MANIFOLD, 590 AIR CAP INCLUDED
CMAX-G85-M	COMPACT AUTO-X TRANS .85 MM W/ MANIFOLD, NO AIR CAP
CMAX-G10-M	COMPACT AUTO-X TRANS 1.0 MM W/ MANIFOLD, NO AIR CAP
CMAX-G-14-M	COMPACT AUTO-X TRANS 1.4 MM W/ MANIFOLD, NO AIR CAP
CMAX-G18-M	COMPACT AUTO-X TRANS 1.8 MM W/ MANIFOLD, NO AIR CAP
CMAX-G85PM	COMPACT AUTO-X TRANS .85 MM PLASTIC NEEDLE W/ MANIFOLD, NO AIR CAP
CMAX-G14PM	COMPACT AUTO-X TRANS 1.4 MM PLASTIC NEEDLE W/ MANIFOLD, NO AIR CAP
CMAX-G10-M-513	COMPACT AUTO-X TRANS 1.0 MM W/ MANIFOLD, 513 AIR CAP INCLUDED
CMAX-G-14-M-513	COMPACT AUTO-X TRANS 1.4 MM W/ MANIFOLD, 513 AIR CAP INCLUDED
CMAX-G00-0	COMPACT AUTO-X TRANS NO MANIFOLD, LESS-- NOZZLE, NEEDLE, CAP
CONVENTIONAL GUNS	
CMAX-10-M	COMPACT AUTO-X CONV. 1.0 MM W/ MANIFOLD, NO AIR CAP
CMAX-14-M	COMPACT AUTO-X CONV. 1.4 MM W/ MANIFOLD, NO AIR CAP
CMAX-18-M	COMPACT AUTO-X CONV. 1.8 MM W/ MANIFOLD, NO AIR CAP
CMAX-22-M	COMPACT AUTO-X CONV. 2.2 MM W/MANIFOLD, NO AIR CAP
CMAX-10-M-497	COMPACT AUTO-X CONV. 1.0 MM W/ MANIFOLD, 497 AIR CAP INCLUDED
CMAX-14-M-497	COMPACT AUTO-X CONV. 1.4 MM W/ MANIFOLD, 497 AIR CAP INCLUDED
CMAX-14PM	COMPACT AUTO-X CONV. 1.4 MM PLASTIC NEEDLE W/ MANIFOLD, NO AIR CAP
CMAX-00-0	COMPACT AUTO-X CONV. NO MANIFOLD, LESS-- NOZZLE, NEEDLE, CAP
NOTE: Air caps can be ordered separately. Refer to page 8 for air cap ordering information.	
COMPACT AUTOMATIC - X GUN MOUNTING ADAPTERS AND HOSE FITTING KITS:	
SPK-111	CEFLA MACHINES - MOUNTING ADAPTER KIT (PAGE 14)
6-531	CEFLA MACHINES - FITTING KIT FOR AIR AND FLUID (PAGE 14)
6-534	SUPERFICII MACHINES - FITTINGS FOR AIR AND FLUID (PAGE 13)
6-533	FLUID/AIR FITTING KIT FOR NPS CONNECTIONS (PAGE 15)

COMPACT-X AUTOMATIC GUN — TYPICAL AIR & FLUID DIAGRAMS

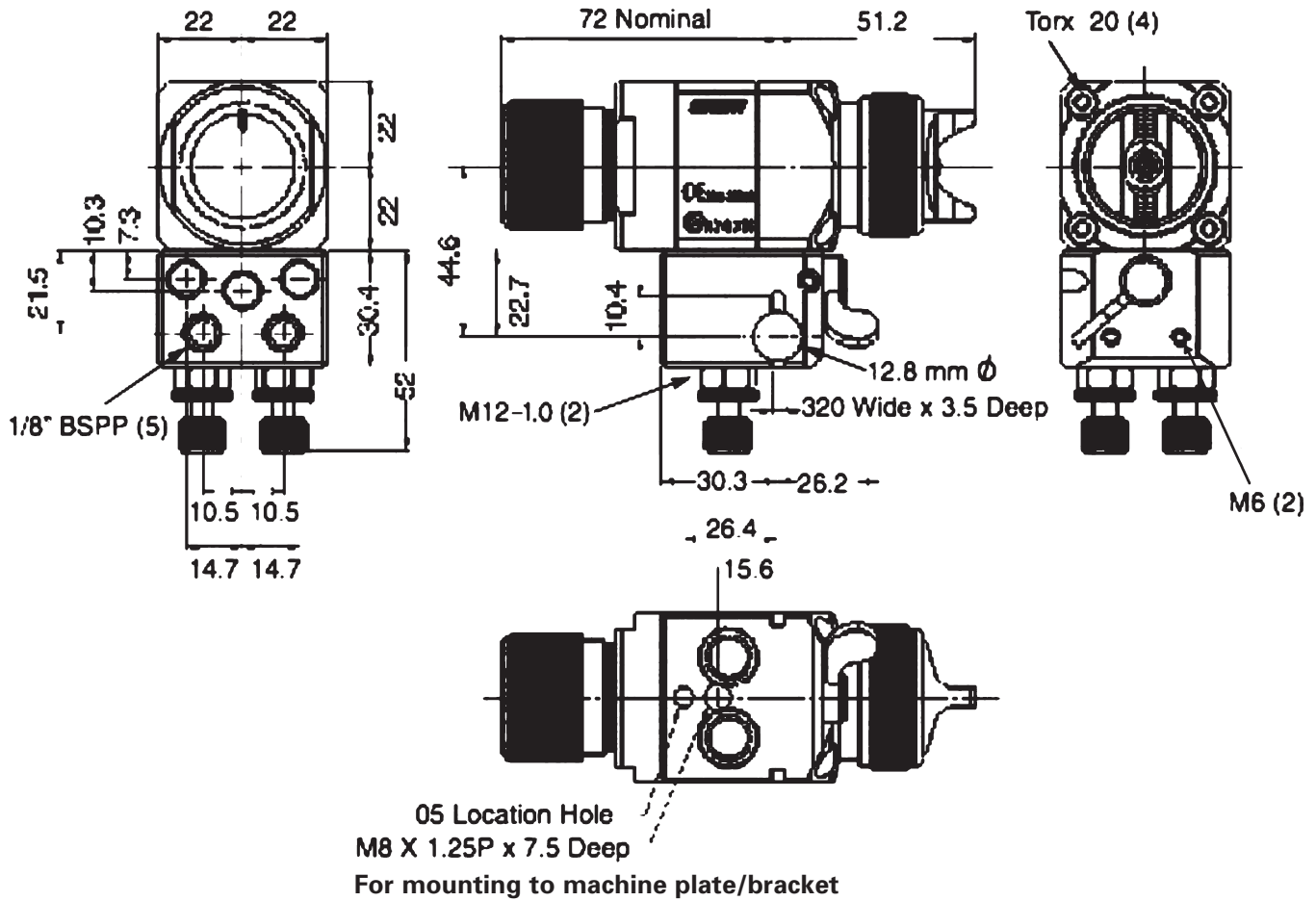
COMBINED FAN & ATOMIZING AIR
(STANDARD GUN HOOK-UP)



SEPARATE FAN & ATOMIZING AIR
(OPTIONAL GUN HOOK-UP)



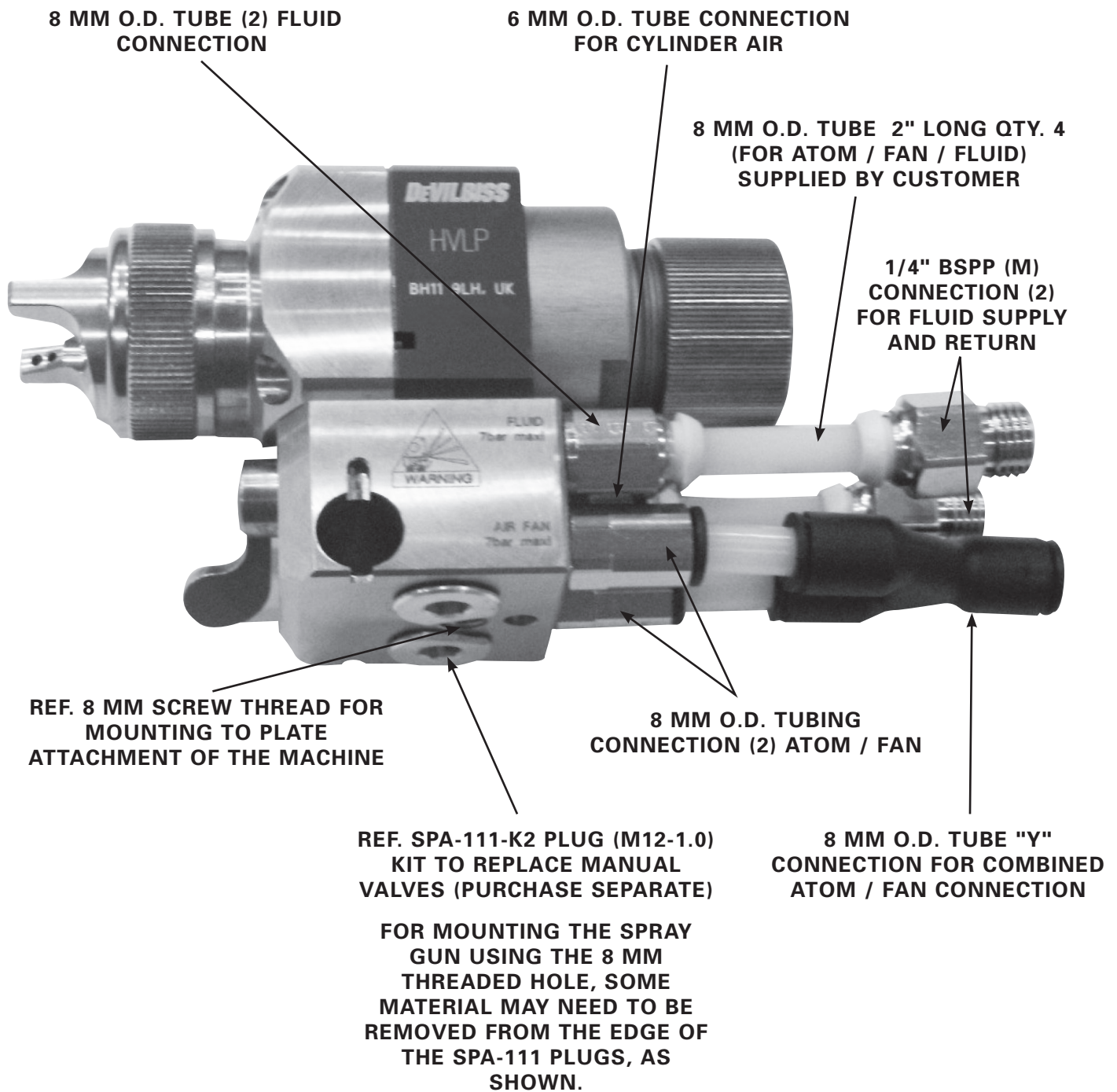
INSTALLATION DIMENSIONS for COMPACT AUTOMATIC "X" GUN



**DIMENSIONS IN MM
(MULTIPLY BY .03937 TO OBTAIN INCHES)**

BSPP = BRITISH STRAIGHT PIPE PARALLEL

6-534 SUPERFICI MACHINE FITTING KIT for COMPACT AUTOMATIC "X" GUN

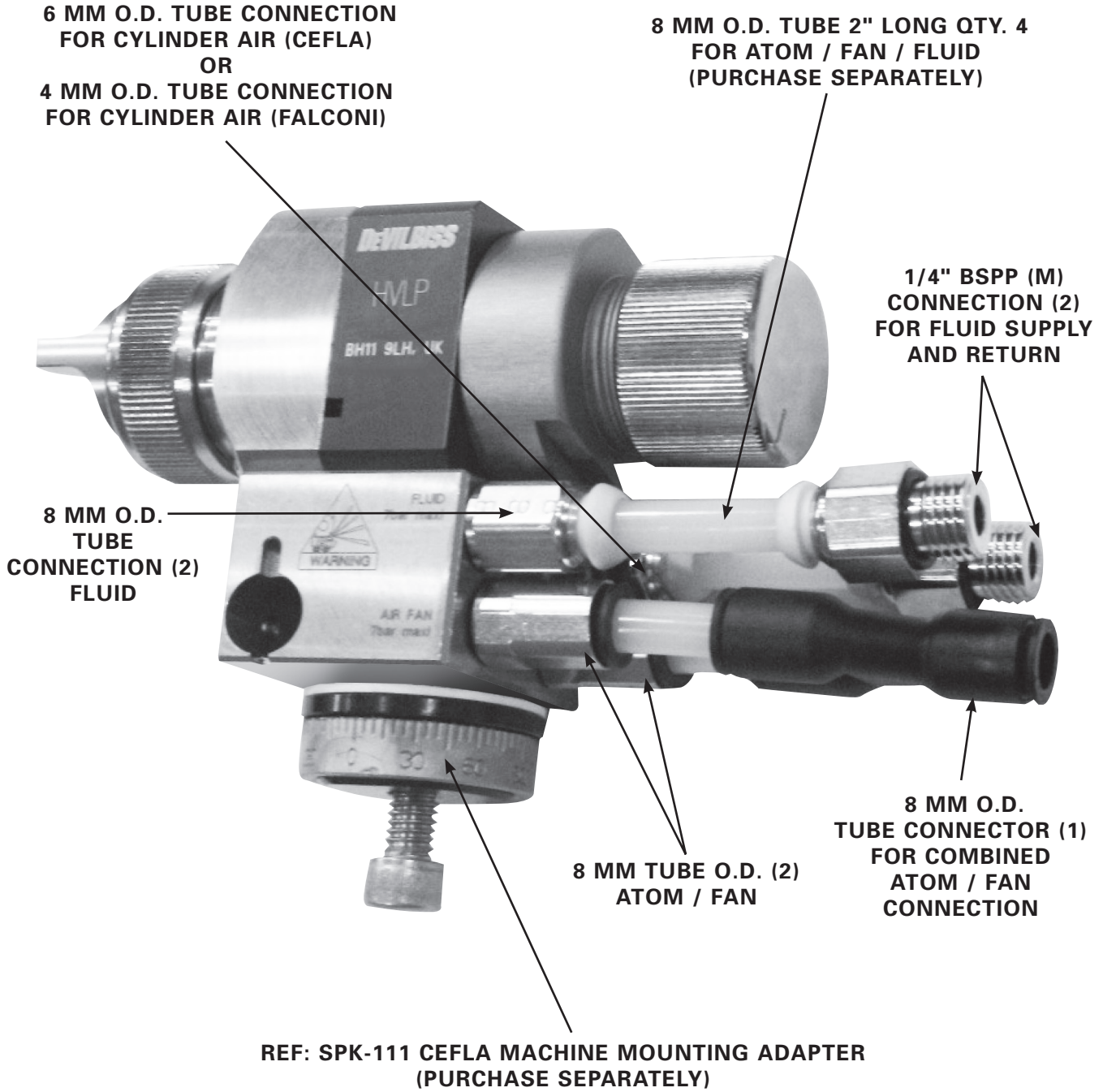


NOTE: USE 1/8" BSPP PLUG (1) FOR FLUID RETURN PORT WHEN CIRCULATING IS NOT REQUIRED. (PLUG SUPPLIED WITH THIS KIT)

NOTE: ALL MANIFOLD AIR AND FLUID PORTS ARE 1/8" BSPP (m)

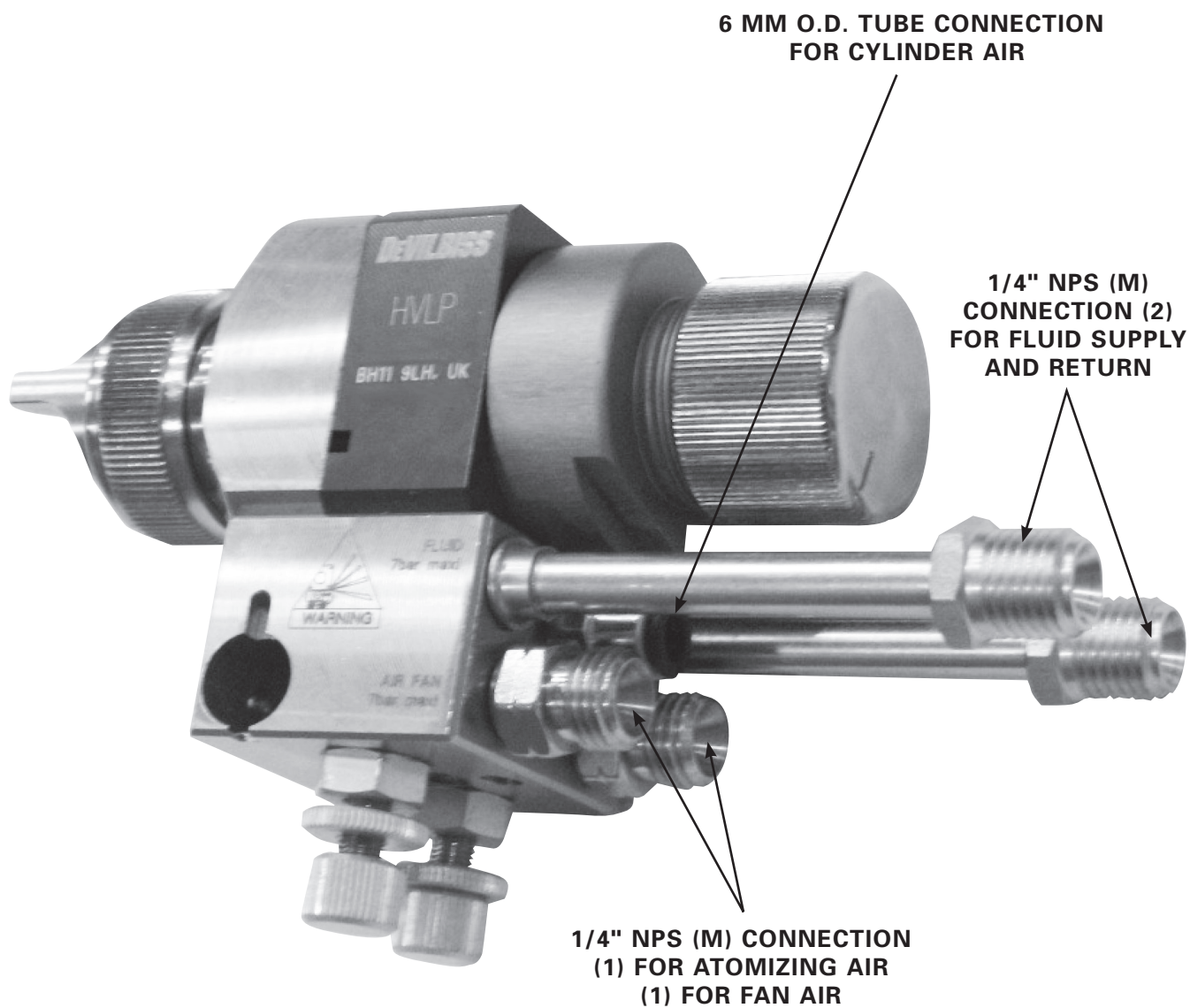
BSPP = BRITISH STRAIGHT PIPE PARALLEL

6-531 CEFLA MACHINE FITTING KIT for COMPACT AUTOMATIC "X" GUN



NOTE: ALL MANIFOLD AIR AND FLUID PORTS ARE 1/8" BSPP (m)

BSPP = BRITISH STRAIGHT PIPE PARALLEL

6-533 FITTING KIT WITH 1/4" NPS (m) for COMPACT AUTOMATIC "X" GUN

NOTE: ALL MANIFOLD AIR AND FLUID PORTS ARE 1/8" BSPP (m)

BSPP = BRITISH STRAIGHT PIPE PARALLEL

WARRANTY POLICY

This product is covered by Carlisle Fluid Technologies' materials and workmanship limited warranty. The use of any parts or accessories, from a source other than Carlisle Fluid Technologies, will void all warranties. Failure to reasonably follow any maintenance guidance provided may invalidate any warranty.

For specific warranty information please contact Carlisle Fluid Technologies.

For technical assistance or to locate an authorized distributor, contact one of our international sales and customer support locations.

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China	Tel: +8621-3373 0108 Fax: +8621-3373 0308	
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