C.A.Technologies

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Pro Wood Finishes
14622 Southlawn Lane
Rockville MD 20850
Ph: (301) 424-3033

TOMCAT 100C

PRESSURE/SIPHON FEED SPRAY GUN
PRODUCT INFORMATION

CONVENTIONAL AIR CAP AND FLUID NOZZLE CHART

MODEL NO.	PRESS / SIPHON	AIR CAP	FLUID TIP RANGE	FAN CONTROL	SCFM	AIR CAP RING	AVAILABLE FLUID NOZZLES	NEEDLES / marking on needle
T100C	Siphon	21-2166	0.6 - 1.8	60-1505	5	included		
		21-2266	0.6 - 1.8		12		**17-4PH STAINLESS**	**300 STAINLESS**
		21-2266T	0.6 - 1.8		12		31-0606 0.6mm (.022")	40-1107 (107)
		21-2366	0.6 - 1.8		12		31-0607 0.7mm (.028")	
		21-2466	0.6 - 1.8		15		31-0610 1.0mm (.040")	40-1110 (110)
		21-2467	2.2		15		31-0612 1.2mm (.046")	
		21-2268	2.8		15		31-0613 1.3mm (.052")	
	Pressure	21-2163	0.6 - 1.8		8		31-0615 1.5mm (.059")	40-1115 (115)
		21-2263	0.6 - 1.8		14		31-0618 1.8mm (.070")	
		21-2266-3	0.6 - 1.8		16.2		31-0622 2.2mm (.086")	40-1122 (122)
		21-2266-3T	0.6 - 1.8		16.2		31-0628 2.8mm (.110")	40-1128 (128)
		21-2167	2.2		14.5			
		21-2267	2.2		15		**CARBIDE**	**CARBIDE**
		21-2168	2.8		14		31-0618V 1.8mm (.070")	40-6201
		21-2766B	1.0 - 1.8		8		31-0622V 2.2mm (.086")	40-6201
	Internal Mix	21-200**	1.5 - 1.8		5.2		31-0628V 2.8mm (.110")	40-6201
		21-2201**	2.2		5.2			

Actual fluid nozzle and air cap combinations are determined by application (see application chart page 4)

*Gun inlet pressures may vary as required by application

**200 Air cap requires P/N 21-1583 base & 21-1584 ring

Coating Atomization Technologies 337 South Arthur Avenue, Louisville CO 80027 Phone: 888.820.4498, Fax: 303.438.5708
www.spraycat.com

Operation and Maintenance Instructions for T100C Spray Guns

Operation

1. Connect air supply hose at handle of gun.
2. Connect a pressurized fluid supply or paint siphon cup to the gun fluid inlet.
3. Fluid flow can be controlled using the fluid control knob, this restricts flow by limiting needle travel. It is best to control fluid flow by proper selection of fluid orifice size and use the fluid control knob to “fine tune flow rate”.
4. Fan width can be adjusted using the fan control knob. Turning the knob clockwise narrows the fan.

Maintenance

IMPORTANT! Routine cleaning and maintenance is essential to insure proper gun operation.
Several states prohibit spraying solvent into the atmosphere and require the use of covered gun cleaner.

1. If a gun cleaner is being used, connect and clean the gun in the gun cleaner according to the manufactures instructions.
2. If a gun cleaner is not being used:
   Remove air cap and clean separately using clean solvent.
   For pressure setups, connect a pressurized solvent supply to the fluid inlet, trigger the gun allowing solvent to flow thru the gun until clean.
   For siphon setups, first clean the siphon cup thoroughly then spray clean solvent thru the gun until clean.

NOTE: Gun head disassembly is not recommended for normal cleaning and maintenance.

Gun head disassembly and reassembly instructions:

Have repair kit # 10-112 available before gun disassembly.

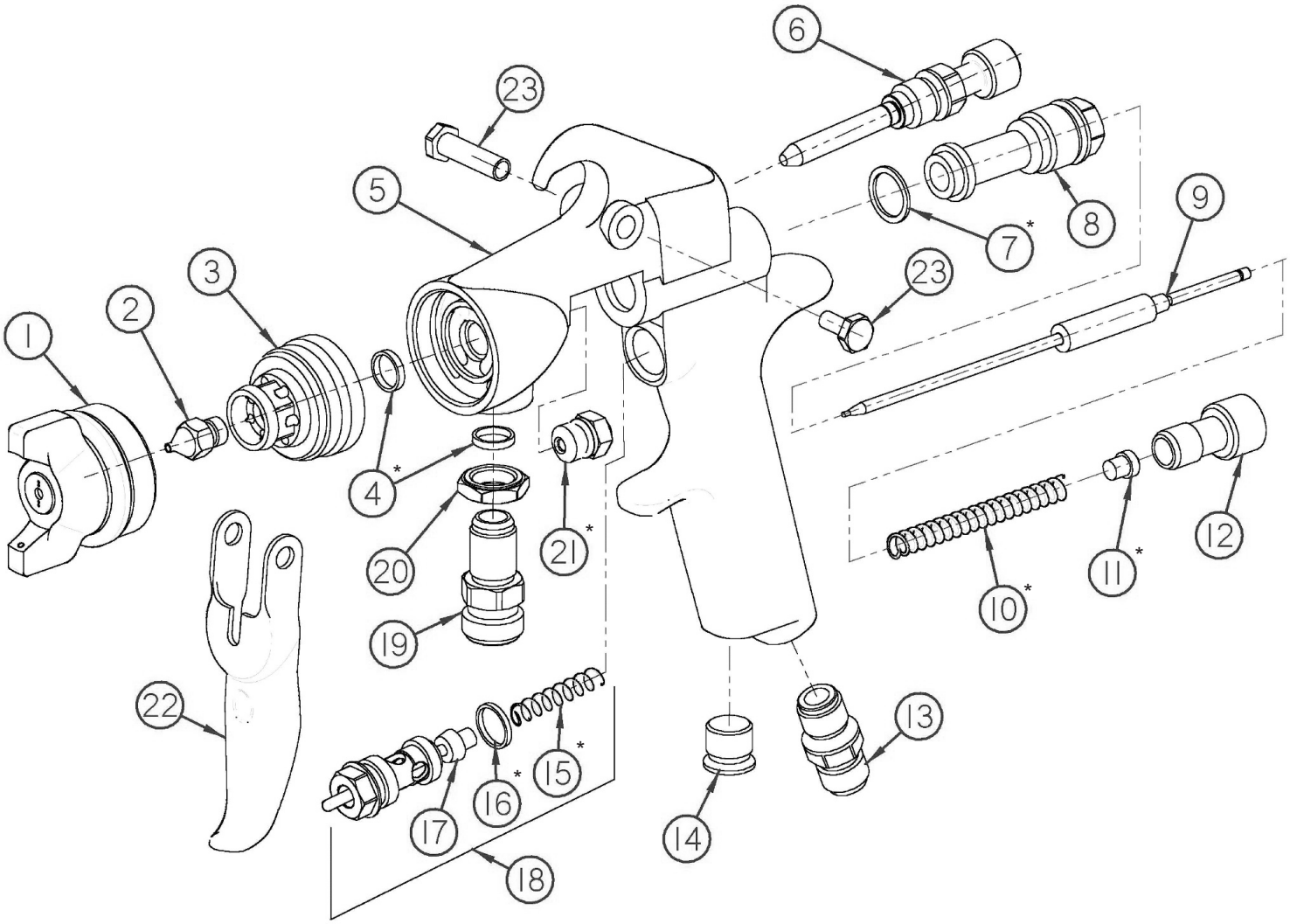
Gun head disassembly

To remove head insert (3):

1. Remove the air cap (1), fluid nozzle tip (2), head insert (3), and needle (9).
2. Remove the needle seal cartridge (21).
3. Loosen the locknut (20) and remove fluid inlet (19) using a 5/8” open-end wrench.

Gun head reassembly

1. Install the thread locknut (20) onto the fluid inlet (19) as far as possible.
2. Install needle seal (21)
3. Install seal ring (4), then tighten head insert (3) with 5/8” open-end wrench until snug. BEWARE - DO NOT OVER TIGHTEN.
4. Install seal (4), then tighten the fluid inlet (19) to approx. 25 ft.-lb. torque.
5. Tighten the locknut (20) to approx. 33 ft.-lb. torque.



ITEM NO.	PART NO.	DESCRIPTION	ITEM NO.	PART NO.	DESCRIPTION
1	See Air Cap Chart	Air Cap**	13	60-104	Air Inlet Fitting
2	See Air Cap Chart	Fluid Tip**	14	60-122	Plug
3	60-15C	Fluid Nozzle Body	15	61-1003	Air Valve Spring*
4	60-137	Seal*	16	60-125	Seal*
5	60-1106	Tomcat Gun Body Conventional	17	60-302	Air Valve Poppet
6	See Air Cap Chart	Fan Control Assembly**	18	60-1520	Air Valve Assembly
7	60-119	Seal*	19	60-132	Fluid Inlet
8	60-201	Rear Bushing	20	60-128	Locknut
9	See Air Cap Chart	Fluid Needle**	21	61-1026	Needle Seal*
10	60-204	Needle Return Spring*	22	60-2101	Trigger
11	60-205	Spring Seat*	23	60-1033	Trigger Pivot Set
12	60-202	Fluid Control Knob			

**See air cap selection chart on page 1

*Indicates part included in repair kit # 10-112

FLUID NOZZLE / AIR CAP SELECTION CHARTS

TOMCAT Series 100C - Pressure / Siphon Feed Guns

T100C CONVENTIONAL SPRAY GUN

MATERIAL TYPE	FLUID ORIFICE x AIR CAP	MAXIMUM PATTERN WIDTH	PRESS. / SIPHON
Very Thin less than 16 sec. Zahn #2 inks , dyes, solvents, stains	0.6, 0.7 mm x 2163 0.6, 0.7 mm x 2166 0.6, 0.7 mm x 2266	8 9 12	P S S
Thin 16 to 20 sec. Zahn #2 lacquers, enamels, primers, sealers	0.6, 0.7, 1.0 mm x 2163 0.6, 0.7, 1.0 mm x 2366 0.6, 0.7, 1.0 mm x 2466	8 14 13	P S S
Medium 21 to 30 sec. Zahn #2 automotive base coat enamels, primers epoxies, urethanes automotive clear coat	1.2, 1.3, 1.5, 1.8 mm x 2263 1.2, 1.3, 1.5, 1.8 mm x 2266 1.2, 1.3, 1.5, 1.8 mm x 2266-3 1.2, 1.3, 1.5, 1.8 mm x 2466	14 10 15 13	P S S S
Heavy over 30 sec. Zahn #2 heavy body primers high solid enamels high solid automotive coatings adhesives	1.5, 1.8mm x 2466 2.2 mm x 2167 2.2 mm x 2267 2.8 mm x 2168	13 12 15 12	S P P P

C.A.Technologies

2.5 GALLON (NON-ASME)

NON AGITATED PRESSURE TANK
PRODUCT INFORMATION

51-201 SINGLE REGULATED
51-202 DOUBLE REGULATED
51-202-SS DOUBLE REGULATED, STAINLESS STEEL FITTED*
51-207 DOUBLE REGULATED (INLINE REGULATORS)

***STAINLESS STEEL FITTED TANKS HAVE STAINLESS STEEL OUTLET FITTINGS AND PICK-UP TUBE**

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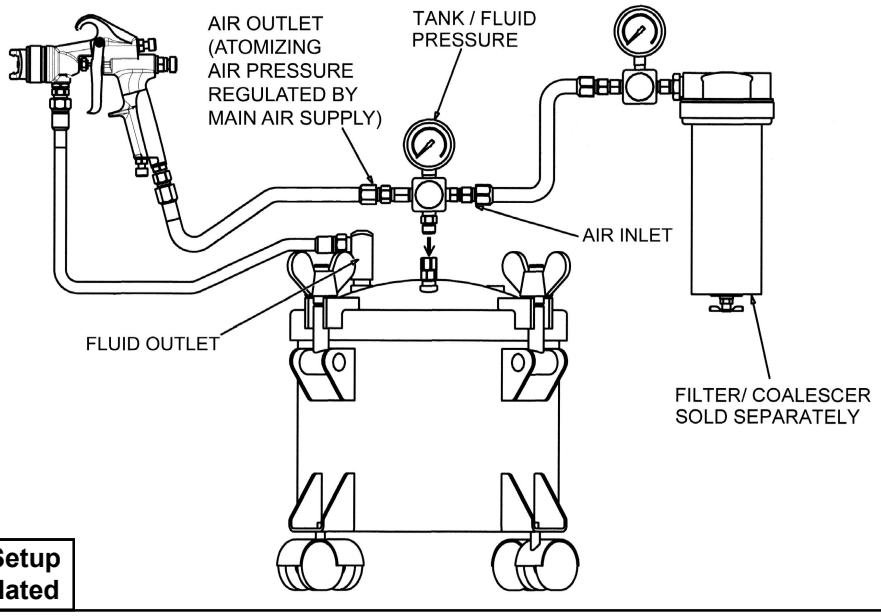
IMPORTANT NOTE: **IF THIS PRESSURE TANK IS TO BE USED FOR SPRAYING FLAMMABLE MATERIALS, OPERATOR MUST NOT PRESSURIZE THIS TANK MORE THAN 15 PSI TO MEET OSHA REQUIREMENTS. FOR NON-ASME PRESSURE VESSELS. IT IS THE RESPONSIBILITY OF THE OPERATOR TO FOLLOW THIS MANDATORY PROCEDURE.**

GENERAL INFORMATION

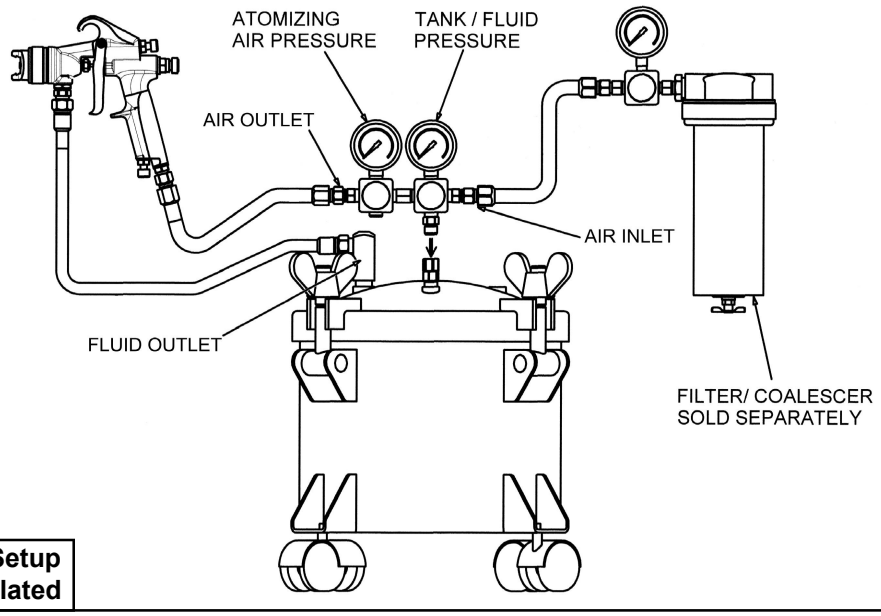
This pressure tank is equipped with either single or double air pressure regulation, pressure safety relief valve, a disposable plastic liner, and four caster wheels.

CAUTION!

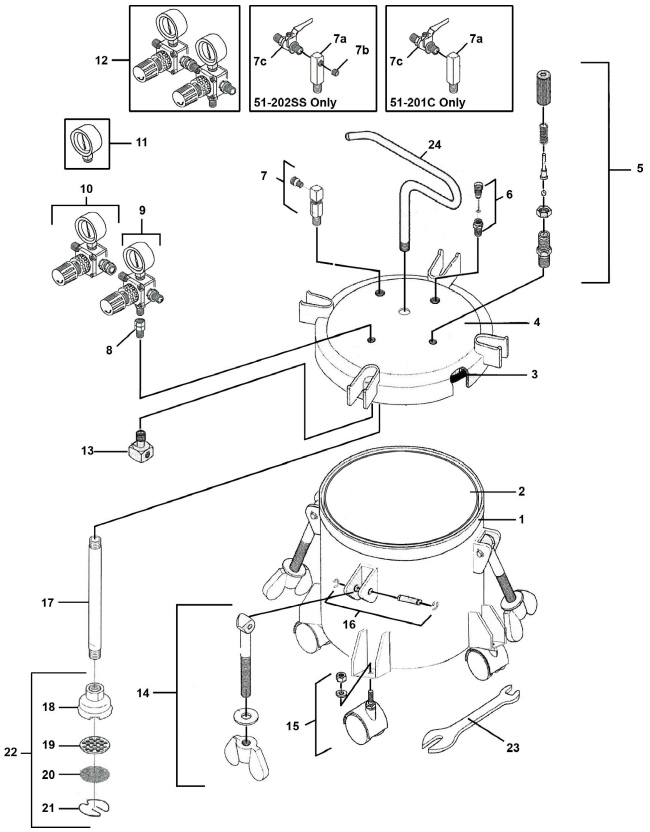
1. Maximum tank pressure of 80 psi. The safety relief valve is designed to protect the tank against excessive pressures. DO NOT attempt to make adjustments to this valve. If this valve begins to vent air, reduce the setting on the air inlet regulator.
2. DO NOT alter the tank in any way by welding, drilling or machining as this may weaken the structure of the tank.
3. To prevent hazardous static sparks from occurring, always ground the tank by connecting a 12 ga. wire to the tank and to a known earth ground.
4. Be sure tank pressure is completely relieved before attempting to remove tank cover or material fill cap. Shut off the main air supply to the tank and vent pressure using the vent valve located on the tank lid.



Pressure Tank Setup for Single Regulated



Pressure Tank Setup for Double Regulated



ITEM NO.	PART NO.	DESCRIPTION	ITEM NO.	PART NO.	DESCRIPTION
1	51-226	Tank Shell	13	51-237	Air Flow Diffuser
2	51-261	Disposable Rigid Liners (12 or 60 pk)	14	51-236	Eye Bolt Assembly
	51-231	Disposable Bag Liners (10 pk)	15	51-224	Caster (4 Req'd)
	51-227	Stainless Steel Tank Liner		51-252	Optional Stationary Feet (4 Req'd)
3	51-220	Gasket	16	51-233	Pin Assembly
4	51-228	Tank Lid Assembly	17	51-223	Fluid Pickup Tube
5	51-229	Safety Relief Valve Assembly	18	51-256	Inlet Strainer Body
6	51-234	Tank Vent Valve	19	51-254	Inlet Screen Backup Plate
7	51-230	Material Outlet Valve	20	51-248	Inlet Screen
8	51-280	Swivel Connection	21	51-255	Inlet Retainer Clip
9	52-10A	Fluid Regulator Assembly	22	51-232	Inlet Strainer Assembly
10	52-11A	Atomizing Air Regulator Assembly	23	51-225	Wrench
11	52-58	Pressure Gauge	24	51-235	Handle
12	52-303	Dual Regulator Assembly			

Single regulated supplied with item 9, double regulated supplied with items 9 & 10

51-207 Specific Items

ITEM NO.	PART NO.	DESCRIPTION	ITEM NO.	PART NO.	DESCRIPTION
9	52-7	Inline Fluid Regulator Assembly	12	52-302	Inline Dual Regulator Assembly
10	52-8	Inline Air Regulator Assembly			

51-202SS Specific Items

ITEM NO.	PART NO.	DESCRIPTION	ITEM NO.	PART NO.	DESCRIPTION
7a	51-230SS	Material Outlet Valve	7c	52-151SS	SS Ball Valve
7b	98-0261	Plug	17	51-223SS	Fluid Pickup Tube

51-201C

ITEM NO.	PART NO.	DESCRIPTION	ITEM NO.	PART NO.	DESCRIPTION
7a	51-230	Material Outlet Valve	7c	52-151	Ball Valve

Pressure Tanks Available From C.A. Technologies

2.5 Gallon Pressure Tank
51-201 Single Regulated
51-202 Double Regulated

2.5 Gallon Pressure Tank
With Air Powered Agitation
51-203 Single Regulated
51-204 Double Regulated

5 Gallon Pressure Tank
With No Agitation
51-507 Single Regulated
51-508 Double Regulated

5 Gallon Pressure Tank
With Manual Agitation
51-501 Single Regulated
51-502 Double Regulated

5 Gallon Pressure Tank
With Air Powered Agitation
51-503 Single Regulated
51-504 Double Regulated

10 Gallon Pressure Tank
With No Agitation
51-551 Single Regulated
51-552 Double Regulated

10 Gallon Pressure Tank
With Manual Agitation
51-557 Single Regulated
51-558 Double Regulated

10 Gallon Pressure Tank
With Air Powered Agitation
51-553 Single Regulated
51-554 Double Regulated

Revised 12/10/15