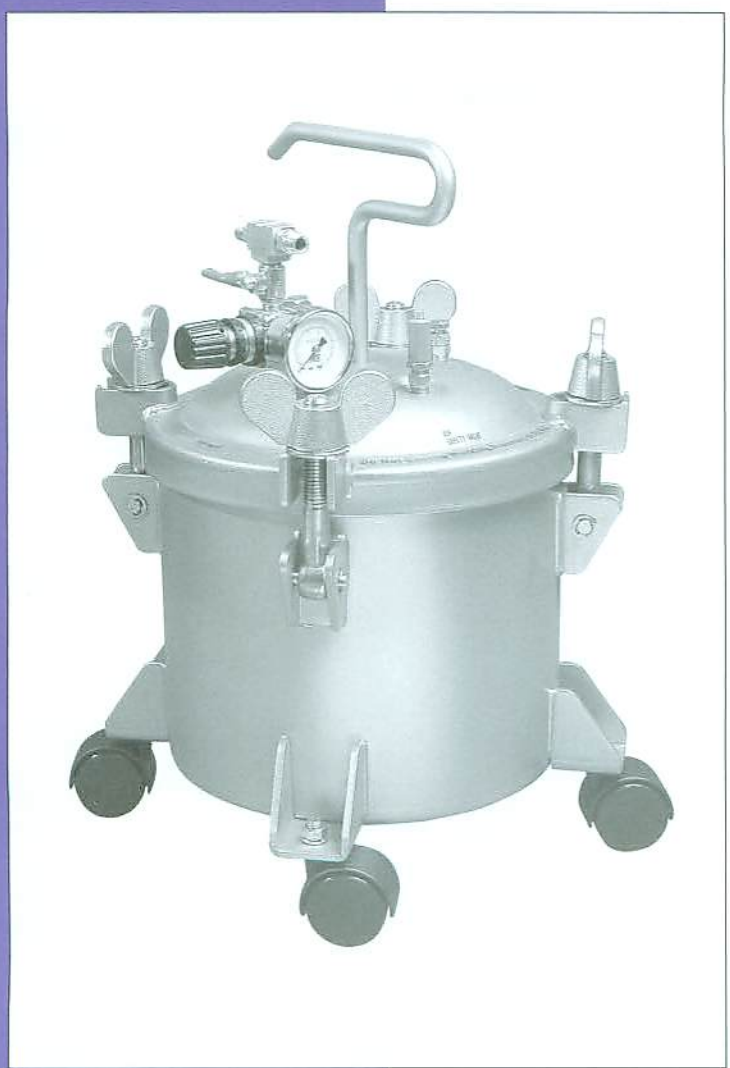
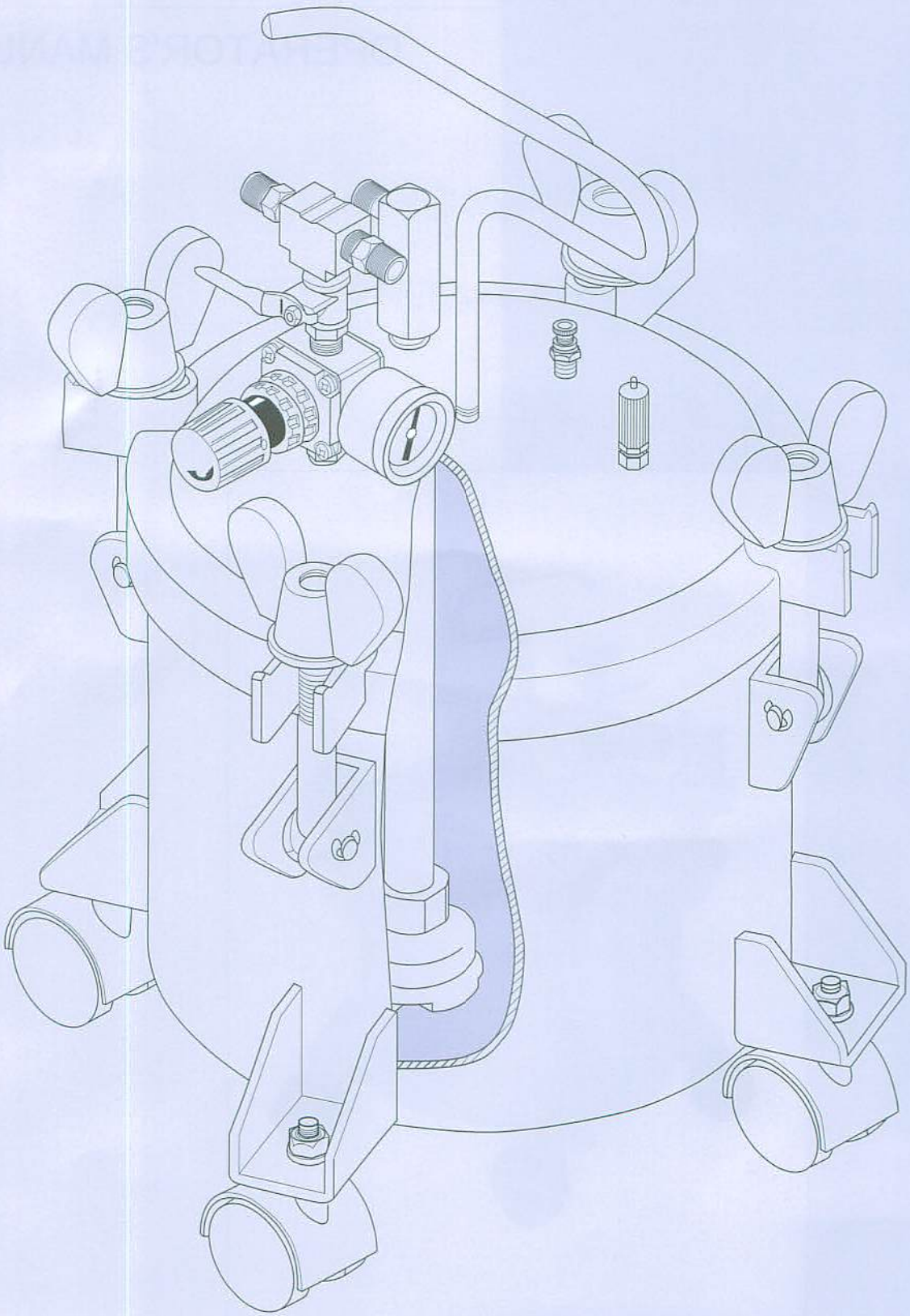
2 1/2 GALLON PRESSURE TANK

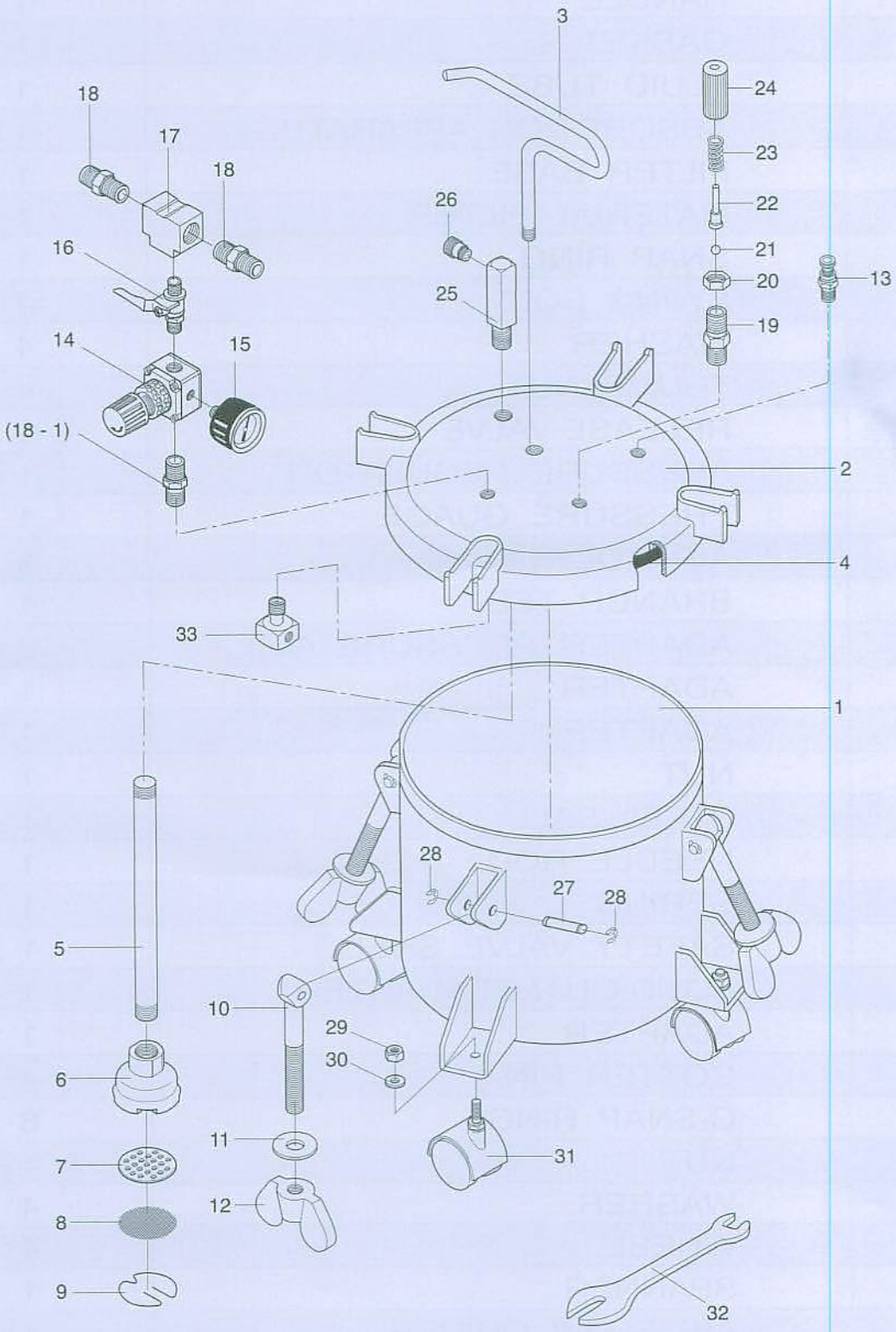
OPERATOR'S MANUAL



2 1/2 AIR TANK STRUCTURAL DRAWING



SCHEMATIC DRAWING



ITEM N0:	DESCRIPTION	Q'ty
1	MATERIAL TANK	1
2	LID ASSEMBLY	1
3	HANDLE	1
4	GASKET	1
5	FLUID TUBE	1
6	ABSORPTION APPARATUS	1
7	FILTER BASE	1
8	MATERIAL FILTER	1
9	SNAP RING	1
10	SWING BOLT	4
11	WASHER	4
12	THUMB NUT	4
13	RELEASE VALVE	1
14	PRESSURE REGULATOR	1
15	PRESSURE GUAGE	1
16	AIR COCK	1
17	BRANCH TEE	1
18	ADAPTER (PRESSURE AIR)	2
18-1	ADAPTER	1
19	ADAPTER	1
20	NUT	1
21	STEEL BALL	1
22	NEEDLE ROD	1
23	SPRING	1
24	SAFETY VALVE SHELL	1
25	FLUID OUTLET ADAPTER	1
26	ADAPTER	1
27	COTTER PIN	4
28	C-SNAP RING	8
29	NUT	4
30	WASHER	4
31	WHEEL	4
32	SPANNER	1
33	AIR FLOW GUIDER	1

GENERAL DESCRIPTION

This 2 1/2 gallon pressure tank is equipped with an air pressure regulator, safety valve, release valve, material outlet adapter for it's durability, all these components are made with the finest materials and were strictly inspected before assembly.
for operator's convenience, there are 4 moving wheels were considerate designed at the bottom of the main body.
The capacity of this versatile tank enables you to carry out most any job with professional results. What's more, it can also spray materials other than paint.

※ **Stainless steel pressure tank is recommended for the application of watetbased material or strong acid material, strong alkaline material, corrosive material or high viscosity material.**

CAUTION

This pressure tank is not specially designed for highly abrasive, corrosive or rust inducing materials. So, if any of these materials is necessary to be sprayed, the lid gasket must be changed with an optional one in advance.
Afterward, frequent and thorough cleaning is advised to reduce the necessity for the replacement of parts. (Not suitable for stainless stell pressure tank)

WARNING

1.This pressure tank is only allowed to provide pressurized material up to maximum load of 80 PSI. Exceed this allowable load can result in explosion.

2.The safety valve is designed to protect the tank from over pressurized.
The original valve of it is set as 60 PSI. Make sure not to adjust it if not necessary indeed.

3.Do not make drilling, welding or other from of machine to any part of the tank.
Because the tamper caused by those in - proper perform will weaken the structure.

OPERATING

Make sure there is no pressured air remained in the tank before using. If thers is, release it with turning release cock counter - clock - wise until pressure bleeds down.

1. Loosen thumb nut and swing bolt, then remove lid assembly.
2. Pour material into the tank.
3. Replace the lid assembly and tighten securely.
4. Connect the air supply hose to the air inlet, which is fitted above pressure regulator.

   It's better for the air supply hose to pass through a transformer to filter dirt from air and remove entrained water and oil!
5. Connect the atomization air hose to the air outlet, which is fitted directly opposite to the air inlet.
6. Connect material hose to the fluid outlet.
7. Turn on the air supply, turn pressure regulator clock - wise to gain working pressure.

   Make sure not to adjust it over 80 PSI!
8. Atomization air for the spray gun can be adjusted at the gun by means of an air *adjusting* valve or adding an air regulator kit to the tank.
9. Operate spray gun according to the instructions attached with it.
10. Refer to the figure shown below for a typical assembly.

MAINTENANCE: CLEANING EQUIPMENT

1. Turn air cock off.
2. Release all pressure air.
3. Loosen all the thumb nuts.
4. Loosen air cap retaining ring on spray gun about three turns.
5. Cup cloth over air cap on the gun and pull trigger.
   This will force material back into the tank.
6. Empty the tank. Then, clean it and all the parts which come in contact with material, with a suitable solvent.
7. Pour clean solvent into the tank.
8. Replace the lid and tighten all the thumb nuts.
9. Turn air cock on.
10. Spary until clean solvent appears.
11. Repeat steps 1 - 5 in order to force the solvent back to the tank.

TROUBLE SHOOTING

PROBLEM	CAUSE	REMEDY
Indicator on air pressure gauge is out of function	Broken or damaged	Replace it !
Material tends to settle out rapidly	Not enough agitation of material	Increase agitation
Material or air leak from lid gasket	Lid gasket is worn or thumb nuts not tightened	Replace it or tighten it
Air leak from release cock after being screwed	The O-ring in it is damaged	Replace it !
Material dose not come out smoothly	Filter or fluid tube is clogged	Check and clean it
Note: Check pressure gauge occasionally. The indicator should indicate to zero when there is no pressure in the tank.