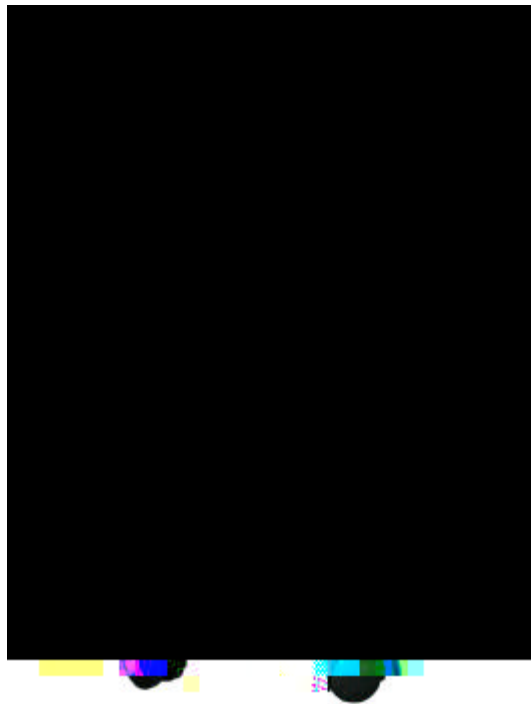


# Service Manual

## 10 litre Pressure Tank



**S10L**



**S10LC**

Please read and save these instructions. Read carefully before attempting to assemble, install, operate or maintain the product described. Protect yourself and others by observing all safety information. Failure to comply with instructions could result in personal injury and/or property damage. Retain instructions for future reference.

## **Description:**

The S10L / S10LC pressure tank is designed as a pressure container to supply liquid material at a constant preset pressure up to a maximum of 90 PS, for light to medium duty use only.

## **Technical Data:**

Working Pressure:	20 – 30 PSI
Maximum Pressure:	90 PSI
Safety Valve Pressure:	60 PSI
Paint Capacity:	10 Litre
Agitation Method:	
S10L	Manual
S10LC	None

## **Pressure Relief Procedure:**

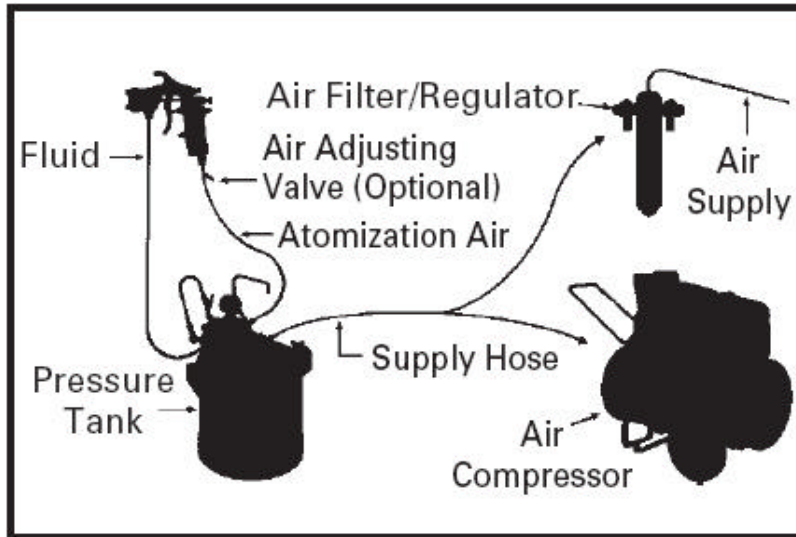
**High pressure can cause a serious injury. Pressure is maintained after the system has been shut down. Before attempting removal of filling plug or cover, pressure must be relieved using the following steps:**

1. Turn off main air supply to the tank.
2. Close air inlet valve located on tank air manifold.
3. Bleed off air in the tank by turning the air outlet valve knurled knob (item 34) counter clockwise. Wait until all the air has escaped through the valve before removing the pressure tank lid.

## **Installation:**

Mix and prepare material to be used according to manufacturer's instructions. Strain material through a fine mesh screen (60 or 90 mesh) to remove all foreign matter, which is likely to enter and clog material passages.

1. Always relieve all air pressure in the tank, as per pressure relief procedure.
2. Loosen butterfly nuts, tip lid clamps back and remove lid assembly.
3. Pour material into the tank.
4. Replace the lid assembly and tighten clamps and butterfly nuts securely.
5. If possible, the air supply line should pass through an air filter/regulator to filter dirt from air and remove entrained water and oil. Connect the air supply hose to the air inlet fitting on tank regulator.
6. Connect the atomisation air hose, for the spray gun, to the air outlet fitting, which is directly opposite air inlet fitting.
7. Connect material hose to the fluid outlet fitting.
8. See diagram below for a typical hook up.



### Operation:

1. Turn on the main air supply
2. Open air inlet ball valve at tee fitting above air regulator on tank.
3. Open ball valve at air regulator on tank. Turn adjusting knob clockwise to increase material pressure: turn counter clockwise to decrease pressure. Maximum tank pressure is 90 PSI.
4. Atomisation air for the spray gun can be adjusted at the gun by means of an air adjusting valve or, with an additional air regulator, which can be provided.
5. See spray gun instructions for operation of the gun.

### Maintenance:

#### To Clean Equipment:

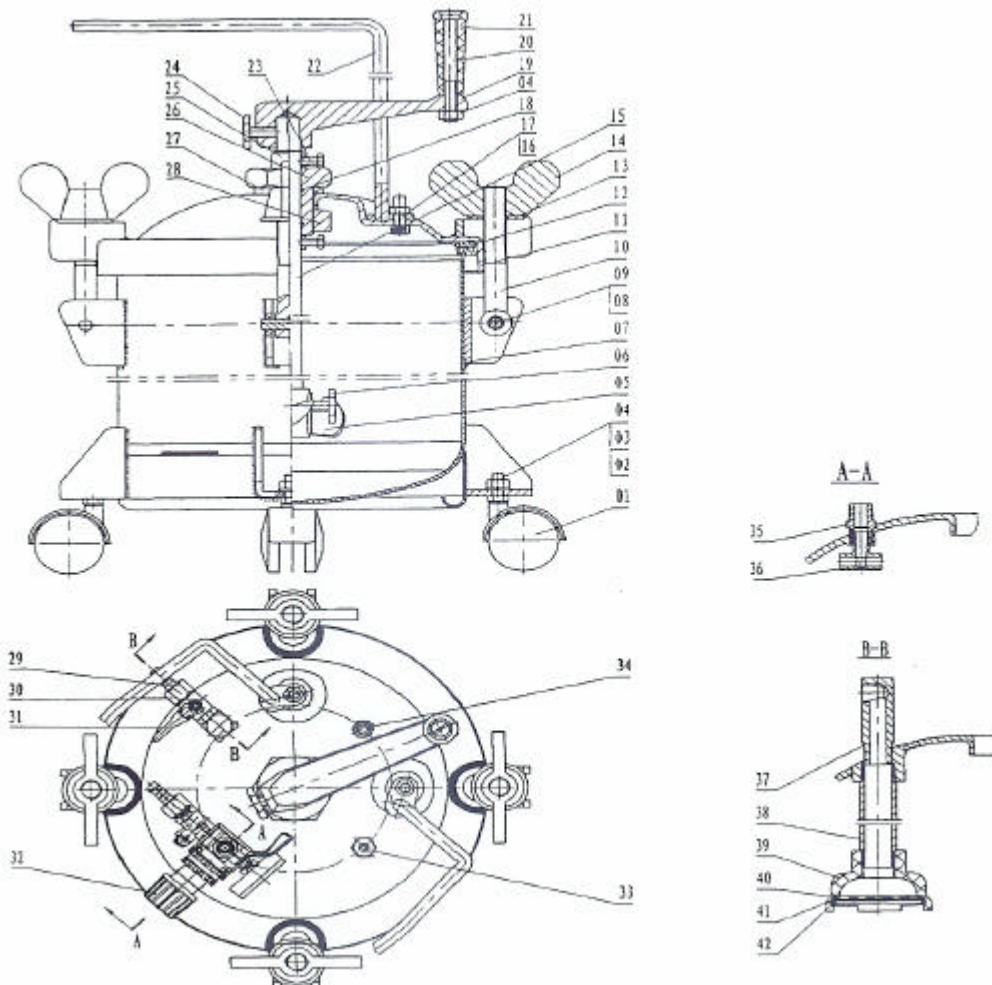
It is very important that the tank material hose and spray gun be cleaned as soon as the spray job is completed.

1. Turn off the main air supply to the tank.
2. Turn adjusting knob on tank regulator counter clockwise until no spring tension is felt.
3. Bleed off air in the tank by turning the air outlet valve knurled knob (item 34) counter clockwise. Wait until all the air has escaped through the valve before removing the pressure tank lid.
4. Loosen butterfly nuts, tip lid clamps back and tip lid assembly to one side.
5. Loosen spray gun air cap retaining ring about three turns.
6. Turn on the air supply to the spray gun
7. Place a cloth over the air cap on the gun and pull trigger. This will force material back through the hose and back into the tank.
8. Empty and clean tank and parts, which come in contact with material. Use a suitable cleaning material.
9. Pour cleaning material into tank.
10. Replace lid and tighten lid clamps and butterfly nuts.
11. Spray until clean solution appears.
12. Repeat steps 4 through 7.

## Troubleshooting Chart

Symptom	Symptom cause	Corrective action
Air leak at tank lid	<ol style="list-style-type: none"> <li>1. Damaged gasket</li> <li>2. Dirt in tank rim</li> <li>3. Butterfly nut is not tightened</li> </ol>	<ol style="list-style-type: none"> <li>1. Replace the gasket</li> <li>2. Clean tank lid and rim</li> <li>3. Retighten butterfly nuts</li> </ol>
No material from pressure tank	<ol style="list-style-type: none"> <li>1. Plugged hoses or material tube</li> <li>2. Damaged regulator diaphragm</li> <li>3. Incorrect hose connections</li> </ol>	<ol style="list-style-type: none"> <li>1. Check hoses and material tube</li> <li>2. Check regulator for leaks. Replace diaphragm, if necessary</li> <li>3. Check connections according to instructions</li> </ol>

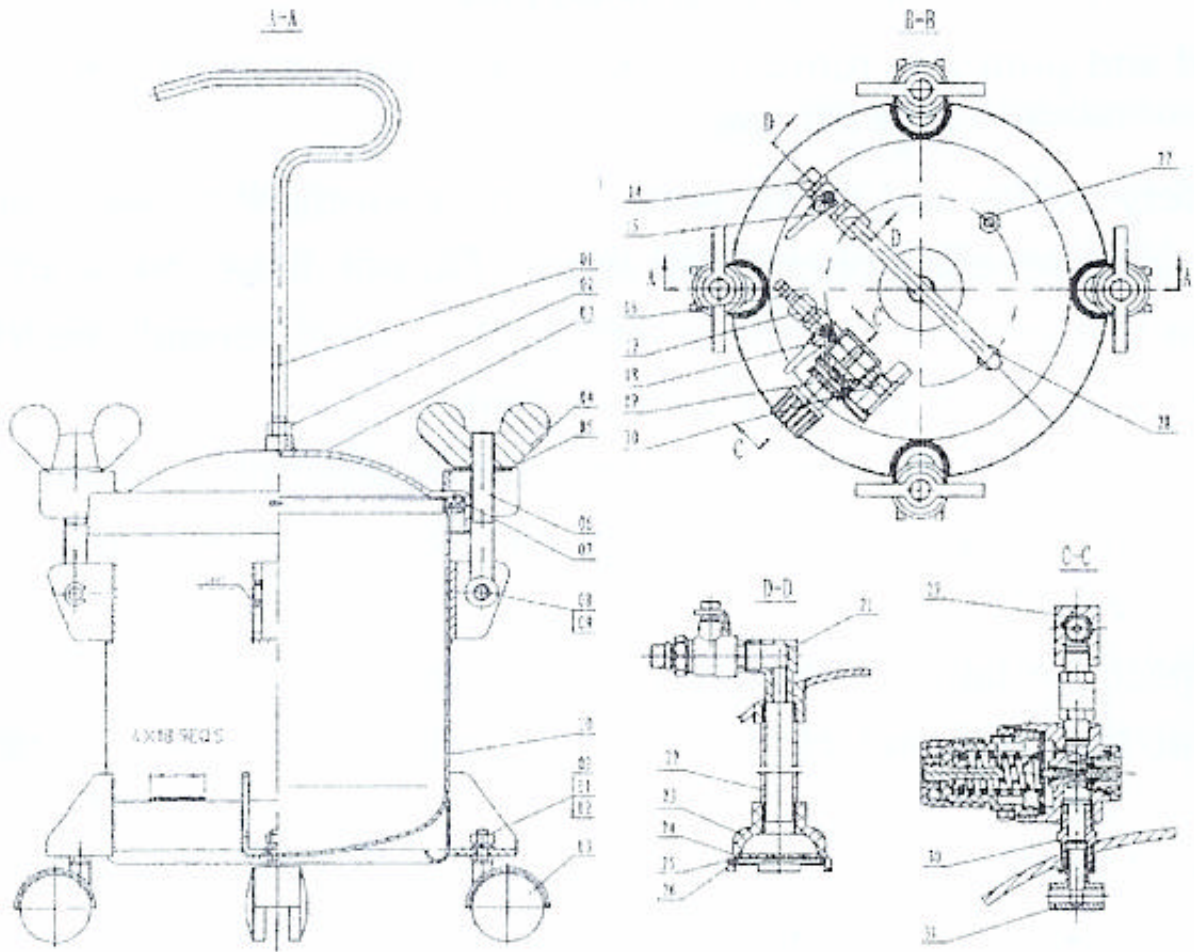
## S10L Manual Agitator



## S10L Spare Parts Listing

Part No.	Description	Qty	Part No.	Description	Qty
1	Universal Wheel	4	22	Handle Arm	1
2	Hexagon Nut – M8	4	23	Screw	1
3	Spring Washer	4	24	Hexagon Nut – M8*12	1
4	Hexagon Nut	5	25	Fixed Ring	2
5	Agitator Paddle	1	26	Fixed Seat	1
6	Hexagon Nut – M8*12	1	27	Sealing Washer	1
7	Combi. Pot Body	1	28	Nut	1
8	Step Pin	4	29	Air Connection	3
9	Snap Retainer d=8.5	8	30	Nut	3
10	Locking Bolt	4	31	Valve	4
11	Combi. Pot Cover	1	32	Air Regulator Assy.	1
12	Sealing Washer	1	33	Safety Valve Assy.	1
13	Washer	4	34	Pressure Release Valve	1
14	Butterfly Nut	4	35	Air Inlet Connection	1
15	Handle Arm	1	36	Air Deflector	1
16	Round Bolt	2	37	Fluid Outlet Body	1
17	Hexagon Bolt	4	38	Paint Supply Tube	1
18	O-ring	2	39	Filter Body	1
19	Connection Seat	1	40	Filter Washer	1
20	Hexagon Bolt	1	41	Filter Mesh	1
21	Handle	1	42	Filter Spring	1

# S10LC No Agitator



## S10LC Spare Parts Listing

Part No.	Description	Qty	Part No.	Description	Qty
1	Handle	1	16	Air Connection	1
2	Hexagon Nut	5	17	Hexagon Bolt	1
3	Assembly Cover	1	18	Valve	2
4	Butterfly Nut	4	19	Air Regulator Assy.	1
5	Washer	4	20	Regulator Connector	1
6	Locking Bolt	4	21	Fluid Out Connector	1
7	Rubber Gasket	1	22	Paint Supply Tube	1
8	Snap Retainer	8	23	Filter Body	1
9	Step Pin	4	24	Filter Washer	1
10	Combi Pot Body	1	25	Filter Mesh	1
11	Hexagon Nut M8	4	26	Filter Spring	1
12	Spring Washer	4	27	Pressure Release Valve	1
13	Universal Wheel	4	28	Safety Valve Assy.	1
14	Fluid Outlet Body	1	29	Air Inlet Seat	1
15	Paint Out Valve	1	30	Air Inlet Connector	1
			31	Air Deflector	

**"FINISHING DTCPFU'CWVTCNK**

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