



# **PRESSURE TANK**

## ***TECHNICAL FEATURES***

### **TRANSLATION OF THE ORIGINAL MANUAL**

***IMPORTANT : Before assembly and start-up, please read and clearly understand all the documents relating to this equipment (professional use only).***

THE PICTURES AND DRAWINGS ARE NON CONTRACTUAL. WE RESERVE THE RIGHT TO MAKE CHANGES WITHOUT PRIOR NOTICE.

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## 1. DESCRIPTION

The pressure tanks are designed to store the material to be sprayed (paints, tints, varnishes, lacquers, glues,...) and to supply all kinds of airspray guns.

Their capacity must be chosen according to the work requirements (a day or half a day work).

There are four sorts of pressure tanks depending on their capacity : 5 liters / 1.5 US gal , 10 liters / 2.5 US gal, 30 liters / 8 US gal and 50 liters / 13.20 US gal.

The pressure tanks are made up of a cup (with a galvanized or a plastic coated), of a plastic-coated cover and of a stainless steel removable bucket (depending on the version).

The covers of each tank are fitted with :

- an air inlet that supplies an air regulator with a knob (pantone 382 colour) in order to pressurize the material contained into the tank.
- one or two air outlets.
- a setted relief valve.
- an agitator (depending on the version)
- one or two material outlets (for the tank with a top outlet).

## 2. TECHNICAL FEATURES

<b>Tank version</b>	<b>5 liters / 1.5 US gal</b>	<b>10 liters / 2.5 US gal</b>	<b>30 liters / 8 US gal</b>	<b>50 liters / 13.20 US gal</b>
Coating, cover	plastic	plastic	plastic	plastic
Coating, cup	plastic	galvanized	galvanized	galvanized
Total capacity (liter / US gal)	6 / 1.6	13 / 3.43	35 / 9.25	52 / 13.74
Tank diameter (mm / ")	175 / 6.9	250 / 9.9	320 / 12.6	400 / 15.5
Total height (cup + cover) (mm / ")	580 / 22.83	665 / 26.2	830 / 32.7	865 / 34.05
Cup height (mm / ")	322 / 12.7	340 / 13.4	505 / 19.9	520 / 20.5
Number of clamps	3	4	6	6
Weight (kg / lb)	9 / 19.8	20 / 44.1	33 / 72.7	42 / 92.6
Number of handles	0	2	2	2
Stainless steel removable bucket (liter)	without	9,7	26	43
Setting of relief-valve (bar / psi)	3,8 / 55	3,8 / 55	3,8 / 55	3,8 / 55
Minimum operating pressure (bar / psi)	1 / 14.5	1 / 14.5	1 / 14.5	1 / 14.5
Maximum operating pressure (bar / psi)	3,5 / 50.75	3,5 / 50.75	3,5 / 50.75	3,5 / 50.75
Work temperature (°C max / °F)	50 / 122	50 / 122	50 / 122	50 / 122
Number of air regulators	1	2	2	2
Number of material outlets	1 top outlet or 1 bottom outlet	1 top outlet	1 top outlet	2 top outlets
Agitator	no	Depending on model	Depending on model	Depending on model

■ FITTINGS

	Tank with one air regulator	Tank with two air regulators
Air inlet (supply)	M 1/4 NPS	F 3/4 BSP
Spray gun air outlet	M 1/4 NPS	M 1/4 NPS
Material outlet (high or low)	M 3/8 NPS	M 3/8 NPS

3. INSTALLATION



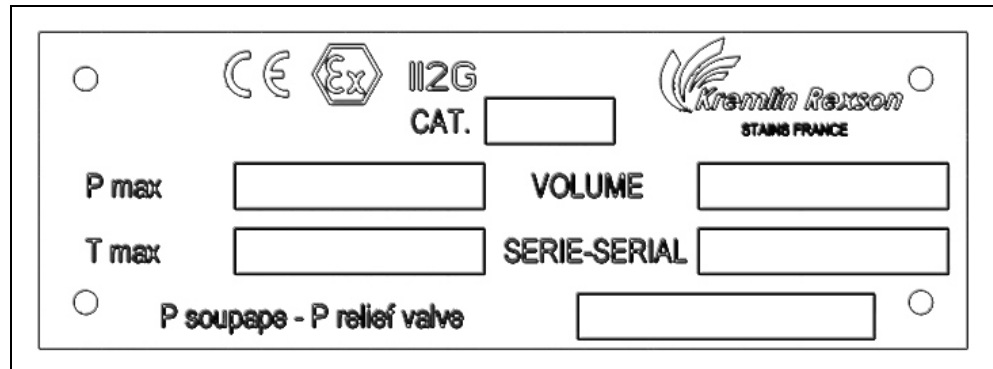
**Comply with safety requirements.**  
**A pressure tank remains pressurized until pressure is manually relieved.**

■ DESCRIPTION OF THE LABEL MARKING

**PRESSURE TANK**  
**CATEGORY 3.3**

(5 liters / 1.5 US gal or  
 10 liters / 2.5 US gal  
 pressure tank)

Marking in accordance  
 with the ATEX and the  
 Pressure Equipment  
 directives








<b>KREMLIN REXSON STAINS FRANCE</b>	Name and address of the manufacturer
<b>II 2 G</b>	<b>II</b> : group II <b>2</b> : class 2 Surface equipment meant to area where explosive atmospheres due to gas, vapours, mists or air mixtures with dusts will probably appear. <b>G</b> : gas
<b>CAT.</b>	Pressure tank category
<b>VOLUME</b>	Pressure tank version in liters and US Gal (5l or 10l / 1.5 or 2.5 US Gal)
<b>Serie / Serial</b>	Number given by KREMLIN REXSON. The two first numbers indicate the manufacturing year.
<b>P max</b>	Air supply maximum pressure of the tank and maximum fluid pressure at the tank outlet
<b>T max</b>	Fluid maximum temperature
<b>P soupape - P relief valve</b>	Valve setting pressure

**PRESSURE TANK**

**(30 liters / 8 US gal or  
50 liters / 13.20 US gal  
pressure tank)**

Marking in accordance  
with the ATEX and the  
Pressure Equipment  
directives

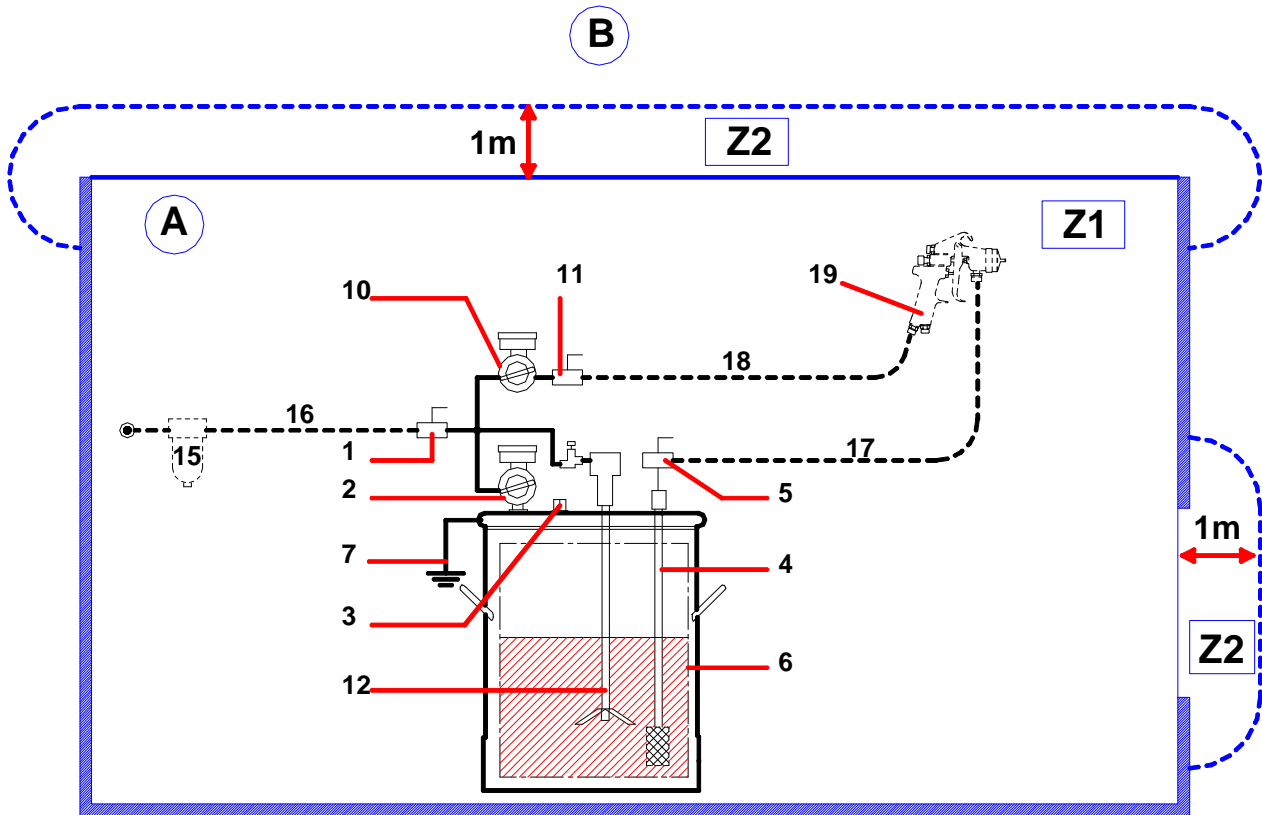
	<input style="width: 80%;" type="text"/>		<b>II 2 G</b>		
	<b>GAZ</b>		<input style="width: 80%;" type="text"/>		
	<b>VOLUME</b>	<input style="width: 80%;" type="text"/>	<b>SERIE-SERIAL</b>	<input style="width: 80%;" type="text"/>	
	<b>P max</b>	<input style="width: 80%;" type="text"/>	<b>PT</b>	<input style="width: 80%;" type="text"/>	
	<b>T max</b>	<input style="width: 80%;" type="text"/>	<b>DATE</b>	<input style="width: 80%;" type="text"/>	
	<b>P soupape - P relief valve</b>	<input style="width: 80%;" type="text"/>			

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<b>GAZ</b>	Fluid group
<b>VOLUME</b>	Pressure tank version in liters and US Gal (30l or 50l / 8 or 13.20 US Gal)
<b>Serie / Serial</b>	Number given by KREMLIN REXSON. The two first numbers indicate the manufacturing year.
<b>P max</b>	Air supply maximum pressure of the tank and maximum fluid pressure at the tank outlet
<b>T max</b>	Fluid maximum temperature
<b>PT</b>	Pressure during test
<b>Date</b>	Pressure tank test date
<b>P soupape - P relief valve</b>	Valve setting pressure
<b>PT</b>	Pressure during test
<b>Date</b>	Pressure tank test date

■ **INSTALLATION DIAGRAM (TANK WITH TOP OUTLET)**

Ground the pressure tank (use the connection on the tank).

The pressure tanks are designed to be installed in a spray booth.



Ind.	Description	Ind.	Description
A	Explosive area : zone 1 (Z1) or zone 2 (Z2) - spray booth		<b>Depending on model</b>
B	Non explosive zone	10	Air regulator 1/4 or 1/2 (black knob)
1	Main shut-off valve	11	Spraying air stop valve
2	Air regulator, model 1/4 (knob - pantone 382 colour)	12	Agitator with air motor
3	Relief-valve		<b>By request</b>
4	Suction tube	15	Water-drop
5	Fluid shut-off valve	16	Air supply hose (Ø 16 mm / 5/8 dia.)
6	Internal bucket	17	Fluid hose (Ø 10 mm / 5/16 dia.)
7	Ground	18	Air hose (Ø 8 mm / 5/16 dia.)
		19	Pneumatic spray gun

## ■ HOSES INSTALLATION

Interconnect the cover air equipment to the pneumatic network tank with a static proof hose (16) ( $\varnothing$  ID :16 mm / 5/8 dia. minimum). The compressed air network must supply clean air (P < 6 bar / 87 psi). Install an air water drop, model 3/8, if it is necessary (15).

Interconnect the air outlet of the air regulator (black knob) (10) to the air inlet of the spray gun with a static-proof hose (18) ( $\varnothing$  ID : 8 mm / 5/16 dia.). Install an air regulator (10) if the pressure tank is not fitted with.

Connect a fluid hose (17) between the fluid outlet (bottom or top) (5) of the tank and the spray gun fluid inlet ( $\varnothing$  int : 10 mm / 3/8 dia.).

## ■ AGITATOR

The pressure tanks version 10 l / 2.5 US gal, 30 l / 8 US gal and 50 l / 13.20 US gal can be fitted out originally with a pneumatic agitator. In that case, interconnect the pneumatic air motor to the compressed air network (refer to the agitator instruction manual).The speed of the agitator is adjusted with the needle valve screw.