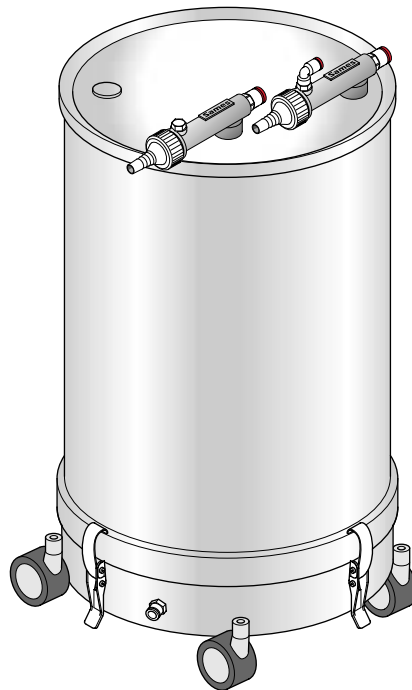




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*A partir du 1/02/17, SAMES Technologies SAS devient SAMES KREMLIN SAS*



DES00401

# User manual

## Powder Distributor Tank CSV 427

**SAMES Technologies.** 13 Chemin de Malacher 38243 Meylan Cedex  
Tel. 33 (0)4 76 41 60 60 - Fax. 33 (0)4 76 41 60 90 - [www.sames.com](http://www.sames.com)

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**Service formation :**

**Tel.: 33 (0)4 76 41 60 04**

**E-mail : formation-client@sames.com**

# Powder Distributor Tank CSV 427

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## 1. Safety Rules



**WARNING :** This user manual contains links to the following user manual:

- [see RT Nr 6368](#) for powder pump CS 127 user manual.



**WARNING :** Tank CSV 427 is designed only for storing powder paint. The tank must always be connected to an electrical ground.

This device may become a safety hazard if it is not operated in accordance with the instructions given in this manual.

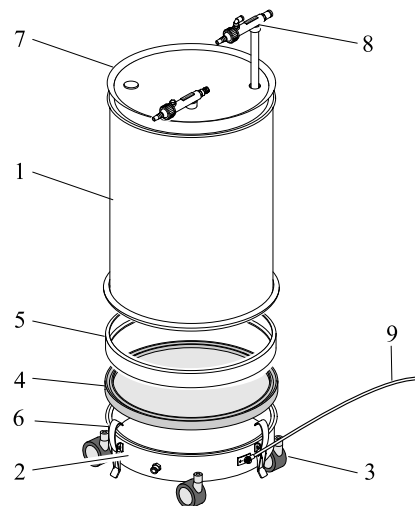


**WARNING :** Operating temperature range: 0 °C to 40 °C (32 °F to 104 °F).

## 2. Description

Tank **CSV 427** is designed to feed powder to one or two powder spray guns.  
The main components of tank **CSV 427** are:

- A cover (7) on which **CS 127** powder pumps (8) are fitted:
  - one **CS 127** powder pump is designed to extract fumes from the tank,
  - one (two) **CS 127** powder pump(s) are used to feed powder to the spray gun(s).
- A tank body (1) containing powder paint.
- A fluidization plate (7) fitted with a seal.
- A tank base (2) mounted on rollers (3).
- A ground cable (9).

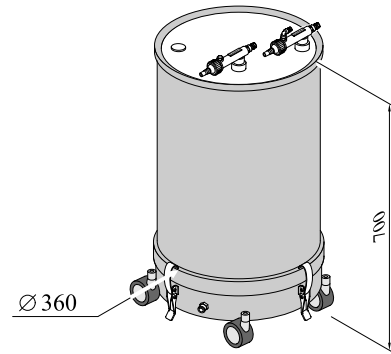


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### 3. Characteristics

#### 3.1. General Data

- Capacity of tank CSV 427: 50 liters  
(i.e. approx. 25 kg of fluidized powder).



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#### 3.2. Pneumatic Data

Characteristics of the compressed air supply as per ISO 8573-1	
Maximum dew point at 6 bar (90 psi)	Class 4, i.e. +3°C (+ 38°F)
Maximum grain size of solid foreign matter	Class 3, i.e. 5 microns
Maximum oil concentration	Class 1, i.e. 0.01 mg/m <sub>0</sub> <sup>3</sup> (*)
Maximum concentration of solid foreign matter	Class 3, i.e. 5 mg/m <sub>0</sub> <sup>3</sup> (*)

**m<sub>0</sub><sup>3</sup>: volume reduced to normal atmospheric pressure (1013 mbar) and a temperature of 0 °C (32 °F).**

Air consumption:

	CSV 427
Maximum Fluidization air flow rate (in m <sub>0</sub> <sup>3</sup> /h)	6
Maximum Fume extraction air flow rate (in m <sub>0</sub> <sup>3</sup> /h)	6

**(\*) m<sub>0</sub><sup>3</sup>: volume reduced to normal atmospheric pressure (1013 mbar) and a temperature of 0 °C (32 °F).**

### 4. Diagrams

None.

## 5. Operation

The powder paint is contained in the tank where it is fluidized by means of an ascending current from the porous base of the tank.

It is then fed on an air stream, produced by the powder pump, to the spray gun via a connecting powder supply hose.

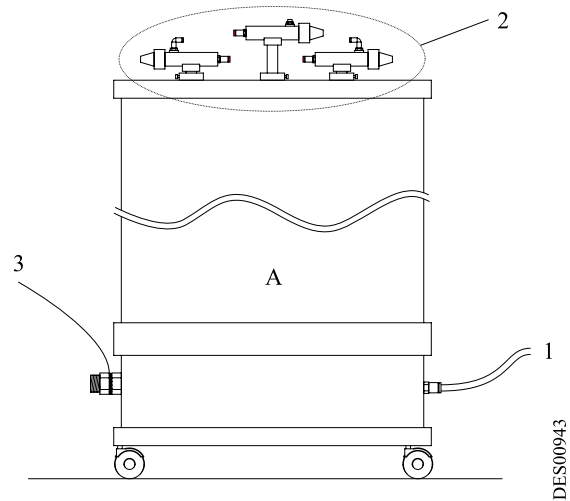
A powder pump is also fitted to extract the fumes produced by fluidization of the powder.

## 6. Tools

No specific tools.

## 7. Installation

- 1 Ground terminal
- 2 Venturi connection plate (see [RT Nr 6368](#) )
- 3 Fluidization air



## 8. Adjustments

See adjustment instructions for the equipment items.

## 9. Maintenance

### 9.1. Maintenance and Periodic Checks



**WARNING :** Use an air jet, a cloth or possibly a brush for all cleaning operations. Water must never be used to clean the equipment.

### 9.2. Disassembly and Reassembly

A quick-disconnect union is used for the fluidization air:

- To connect the fluidization air hose, simply push it fully home in the union.
- To disconnect the hose from the union, push the ring fitted around the hose towards the union and remove the hose.

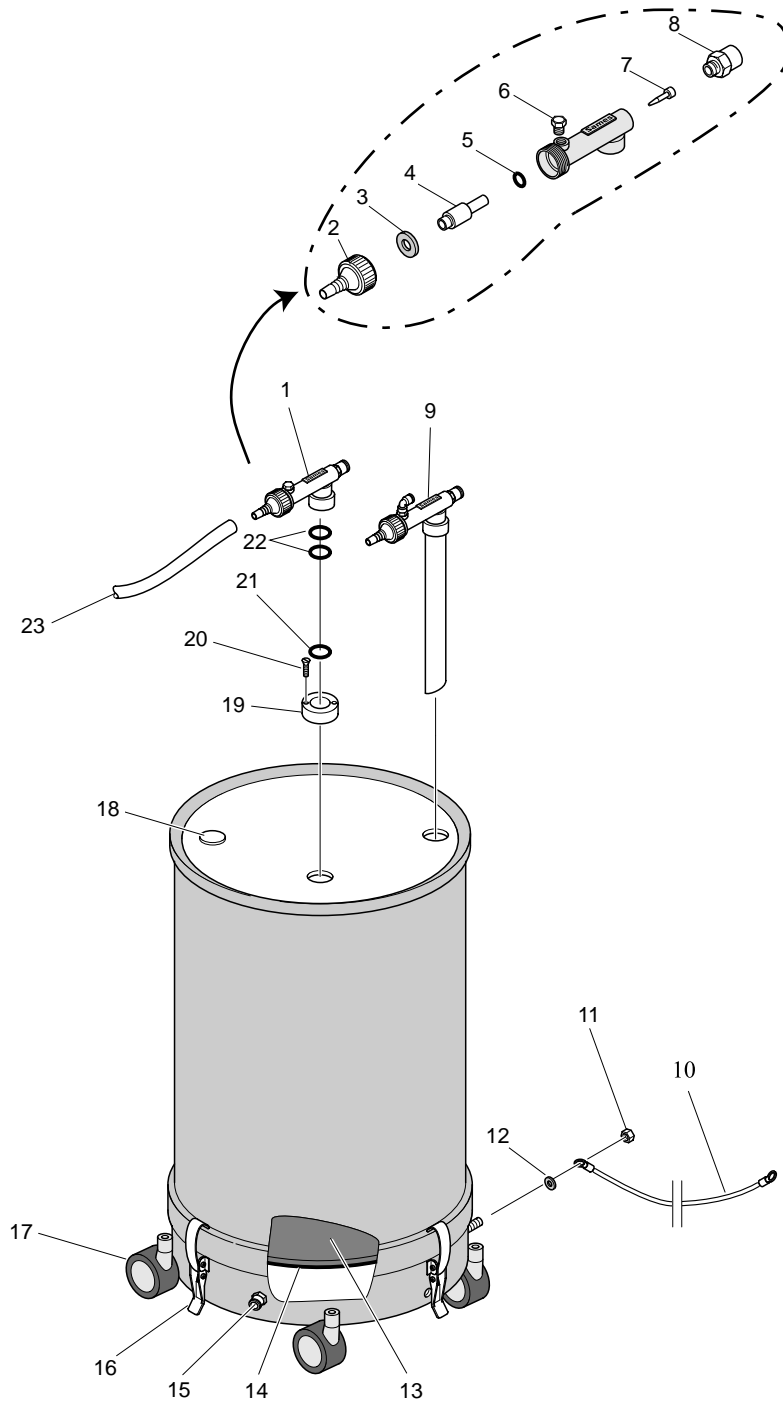
For access to the porous plate, simply open the snap fasteners at the base of the tank.

## 10. Troubleshooting

Symptoms	Probable causes	Remedies
The powder comes out in spurts.	Inadequate powder fluidization.	Increase the fluidization air pressure
	Clogged fluidization plate	Change the fluidization plate.
	Bad adjustment of dilution air.	See the equipment user manual.
	Seal (14) missing <a href="#">see § 11 page 8</a>	Fit a seal (14) <a href="#">see § 11 page 8</a>

# 11. Spare Parts

## 11.1. Tank CSV 427



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Item	Part number	Description	Quantity	Unit of sale
-	<b>1526208</b>	<b>Complete tank CSV 427</b>	<b>1</b>	<b>1</b>
<b>1</b>	<a href="#">see RT Nr 6368</a>	<b>Powder pump CS 127 without tube</b>	<b>1</b>	<b>1</b>
2	545192	Powder outlet end piece	1	1
3	444490	Porous ring	1	2
4	547880	Venturi ejector (gray)	1	10
5	J2CTPC139	O-ring	1	10
6	F6RXBH043	Plug 1/8 stainless steel	1	1
7	544808	Air injector	1	5
8	F6RLUS199	Straight fitting	1	1
<b>9</b>	<b>1526400</b>	<b>Powder pump CS 127</b> <a href="#">see RT Nr 6368</a>	<b>1</b>	<b>1</b>
10	842635	Ground cable, length: 5 m	1	1
11	X7CEHM006	Nut HM M 6 U brass	2	1
12	X7DDZU006	Washer Z 6 U brass	3	1
13	1301077	Fluidization plate	1	1
14	1301076	Fluidization plate seal	1	1
15	F6RLUS148	Fluidization union, dia. 4 / 6 mm	1	1
16	Q1FFER317	Snap fasteners	4	1
17	Q1VRGP066	Swivel wheel	4	1
18	F6NPBA097	Plug	1	1
19	444507	Seal holder	3	1
20	X4FVSY117	Screw CHc M 4 x 8 – stainless steel	6	1
21	J2CTCN052	O-ring - HP1S	3	10
22	J2CTPB253	O-ring	2	10
23	U1FGBA092	Fume extraction hose, dia. 11/15 mm	6	m
		<b>Hose set</b>	<b>1</b>	<b>m</b>
	130000005	Polyurethane hose D: 4 / 6 yellow	1	m
	U1GLBT142	Polyurethane hose D: 6 / 8 blue	1	m
	U1GRBW197	Polyurethane hose D: 6 / 8 red	1	m
	130000003	Polyurethane hose D: 4 / 6 green	1	m