



## **AIRMIX® PUMPS**

***08-120 / 08-120 T***  
***16-120 / 16-120 T***

***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.

#### **KREMLIN - REXSON**

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## 1. DESCRIPTION

- Stainless steel pump / High flow rate
- Low maintenance and ease of use

### Recommended for :

- Supplying one or several spray guns
- Water-based or solvent-based paints whose viscosity is lower than 1 000 mPa/s

## 2. TECHNICAL FEATURES

### ■ FEATURES AIRMIX® PUMPS, MODELS 08-120 & 08-120 T

Motor type ..... 1000-4 or 1000-4T  
Pump body type ..... 120  
Theoretical pressure ratio ..... 08/1

#### Wetted parts :

Hard chrome stainless steel,  
Stainless steel,  
Carbide,  
Polyacetal.

#### Tightness packings :

Upper, fixed : PTFE G + Polyfluid  
Lower, mobile : PEHD

|                                |                     |               |
|--------------------------------|---------------------|---------------|
| Air motor stroke               | 100 mm              | 4"            |
| Air motor section              | 100 cm <sup>2</sup> | 15.5 sq.in    |
| Hydraulic section              | 12 cm <sup>2</sup>  | 1.9 sq.in     |
| Delivery per cycle             | 240 cc              | 8.5 oz        |
| Number of cycles               | 4 per liter         | 16 per gallon |
| Fluid delivery (30 cycles)     | 7,2 l               | 1.9 US gal    |
| Maximum air operating pressure | 6 bar               | 88 psi        |
| Maximum discharge pressure     | 48 bar              | 696 psi       |
| Weighted sound pressure (LAeq) | 76 dBA              | 76 dBA        |
| Maximum operating temperature  | 60° C               | 140° F        |
| Weight (wall mounted unit)     | 27 kg               | 59.5 lbs      |

### ■ FEATURES AIRMIX® PUMPS, MODELS 16-120 & 16-120 T

Motor type ..... 2000-4 or 2000-4T  
Pump body type ..... 120  
Theoretical pressure ratio ..... 16/1

#### Wetted parts :

Hard chrome stainless steel,  
Stainless steel,  
Carbide,  
Polyacetal.

#### Tightness packings :

Upper, fixed : PTFE G + Polyfluid  
Lower, mobile : PEHD

|                                |                     |               |
|--------------------------------|---------------------|---------------|
| Air motor stroke               | 100 mm              | 4"            |
| Air motor section              | 200 cm <sup>2</sup> | 31 sq.in      |
| Hydraulic section              | 12 cm <sup>2</sup>  | 1.9 sq.in     |
| Delivery per cycle             | 240 cc              | 8.5 oz        |
| Number of cycles               | 4                   | 16 per gallon |
| Fluid delivery (30 cycles).    | 7,2 l               | 1.9 US gal    |
| Maximum air operating pressure | 6 bar               | 88 psi        |
| Maximum discharge pressure     | 96 bar              | 1392 psi      |
| Weighted sound pressure (LAeq) | 76 dBA              | 76 dBA        |
| Maximum operating temperature  | 60° C               | 140° F        |
| Weight (wall mounting pump)    | 27 kg               | 59.5 lbs      |

## ■ FITTINGS

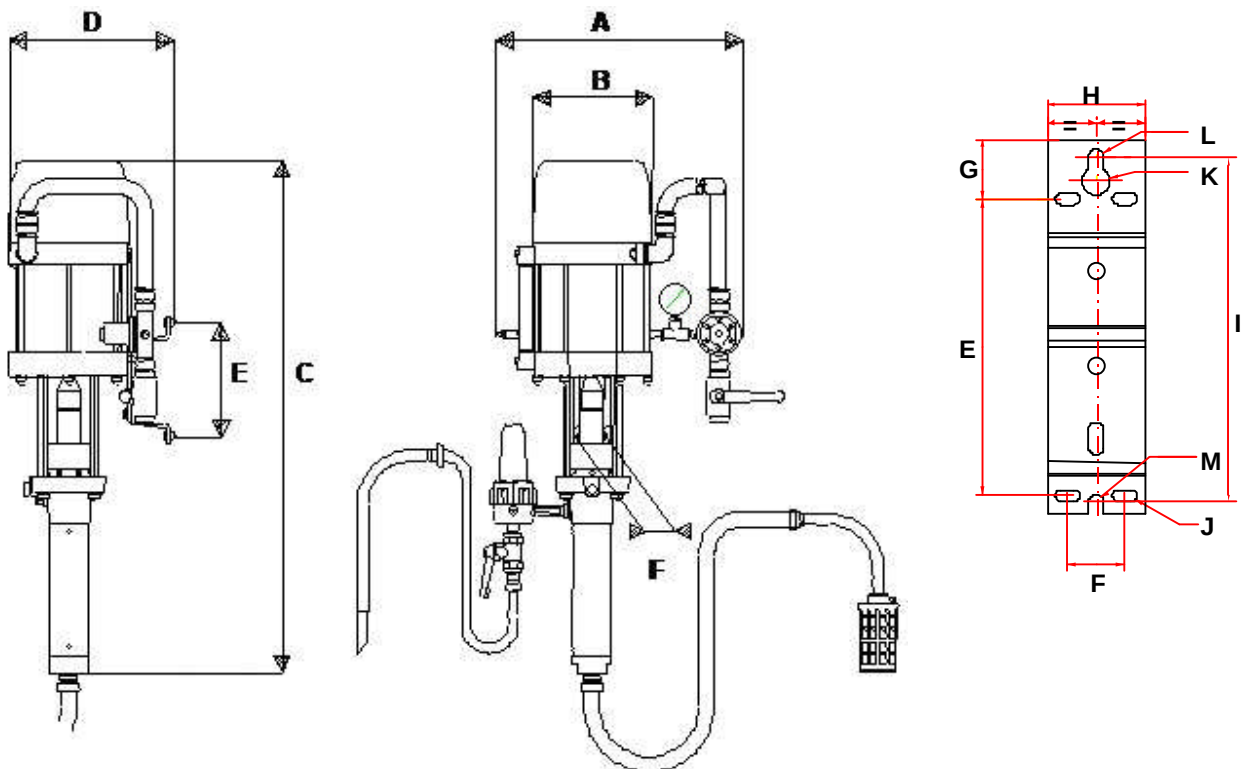
|          |        | Bare pump                                                             | Pump with equipment                    |
|----------|--------|-----------------------------------------------------------------------|----------------------------------------|
| Air      | Inlet  | Standard air motor : Female 3/8 NPS<br>Turbo air motor : Male 3/4 NPS | Female 3/4 BSP<br>(valve - air supply) |
| Material | Inlet  | Female 1" BSP                                                         | Male 26x125                            |
|          | Outlet | Female 1/2 NPS                                                        | Male 1/2 JIC / # 5 JIC (filter outlet) |

## ■ HOSES WITH FITTINGS

|                                                                |                               |
|----------------------------------------------------------------|-------------------------------|
| Pump air supply hose (minimum Ø for a 5m / 16.5 ft length) :   | 16 mm ID / 5/8 dia            |
| AIRMIX® fluid hose (between pump fluid outlet and spray gun) : | 4,8 mm ID / 3/16 dia          |
| Air hose (between "GUN AIR" regulator and spray gun) :         | 7 mm ID / 1/4 dia             |
| For circulating : HP fluid hose (pump fluid outlet) :          | minimum ID 9,52 mm / 3/8" dia |

## ■ DIMENSIONS

| Ind. | mm    | "      | Ind. | mm       | "            | Ind. | mm   | "      | Ind. | mm  | "      |
|------|-------|--------|------|----------|--------------|------|------|--------|------|-----|--------|
| A    | 400   | 15.75  | B    | 220      | 8.66         | C    | 840  | 33     | D    | 270 | 10.63  |
| E    | 182   | 7.2    | F    | 35       | 1.38         | G    | 36.5 | 1.43   | H    | 60  | 2.36   |
| I    | 211.5 | 8.3    | J    | Ø 7 x 15 | Ø 0.27 x 0.6 | K    | Ø 17 | Ø 0.67 | L    | Ø 9 | Ø 0.35 |
| M    | Ø 9   | Ø 0.35 |      |          |              |      |      |        |      |     |        |



### 3. INSTALLATION

The pumps are designed to be installed in a spray booth.

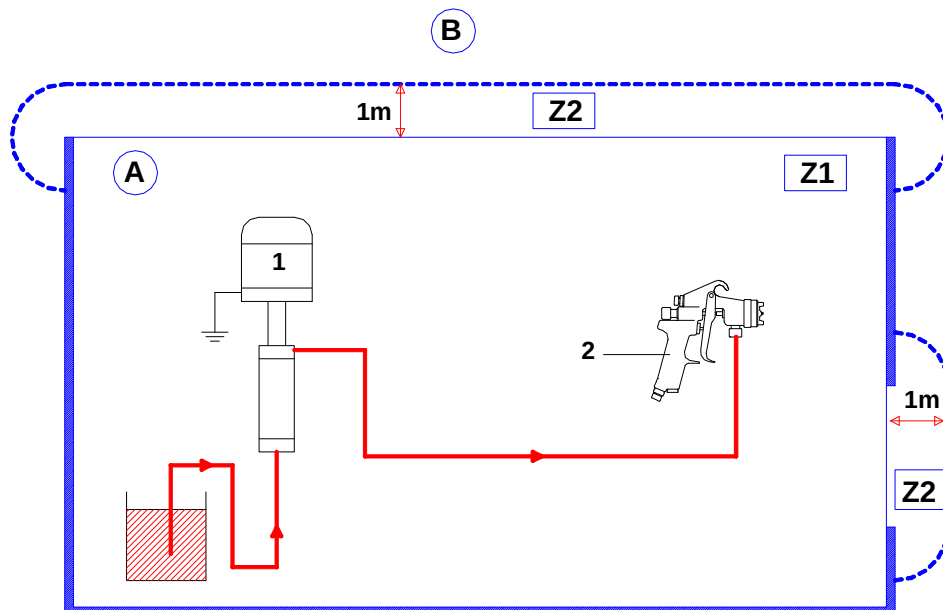
#### ■ DESCRIPTION OF THE LABEL MARKING

Marking in accordance with the ATEX Directive

|    |    |                                 |                      |                      |                 |
|----|----|---------------------------------|----------------------|----------------------|-----------------|
| CE | Ex | II2G TYPE                       | <input type="text"/> | P air                | 6 bar<br>87 psi |
|    |    | P prod                          | <input type="text"/> | bar/psi              |                 |
|    |    | KREMLIN REXSON<br>STAINS FRANCE | SERIE-SERIAL         | <input type="text"/> |                 |

|                                         |                                                                                                                                                                                                               |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>KREMLIN REXSON<br/>STAINS FRANCE</b> | Name and address of the manufacturer                                                                                                                                                                          |
| <b>TYPE xx</b>                          | Pump model                                                                                                                                                                                                    |
| <b>Ex II 2 G</b>                        | <b>II</b> : group II <b>2</b> : class 2<br>Surface equipment meant to area where explosive atmospheres due to gas, vapours, mists are liable to appear from time to time in usual operating<br><b>G</b> : gas |
| <b>P prod : xx bar / xx psi</b>         | Maximum fluid pressure at the pump outlet                                                                                                                                                                     |
| <b>P air : 6 bar / 87 psi</b>           | Air supply maximum pressure of the pump motor                                                                                                                                                                 |
| <b>Serie / Serial</b>                   | Number given by KREMLIN REXSON. The two first numbers indicate the manufacturing year.                                                                                                                        |

#### ■ INSTALLATION INSTRUCTIONS



| Ind. | Description                                                |
|------|------------------------------------------------------------|
| A    | Explosive area<br>area 1 (Z1) or area 2 (Z2) : spray booth |
| B    | Non explosive area                                         |

| Ind. | Description |
|------|-------------|
| 1    | Pump        |
| 2    | Spray gun   |



The 1 m / 39.37" distance indicated in these diagrams is given for information purposes only and hold harmless to KREMLIN REXSON. The user is responsible for the extraction and conditioning of the painting area where the equipment is used, for working conditions conditions (refer to EN 60079-10 standard). The 1 m / 39.37" distance may be modified if trials carried out by the user deem this necessary.



*NB: Choose the appropriate pump to ensure that the working pressure supplied is suitable for the selected gun.*