

## **PUMP**

***EOS 03-R440***

***TECHNICAL FEATURES***

### **TRANSLATION FROM 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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**[www.kremlin-rexson.com](http://www.kremlin-rexson.com)**

## 1. DESCRIPTION

- Air operated piston pump for high output
- Low maintenance and ease of use

### Recommandé pour :

- Water-based or solvent-based paints (low pressure)
- Circulating

## 2. TECHNICAL FEATURES

Motor type .....1500-100  
 Body pump type .....R440  
 Theoretical pressure ratio .....3/1

### Weight :

Wall mounted pump...52,8 kg / 116.40 lb  
 Bare pump.....46,8 kg / 103.17 lb

### Wetted parts :

Hard chrome stainless steel  
 Stainless steel, carbide

Air motor stroke	100 mm	4"
Air motor section	79 cm <sup>2</sup>	12.25 sq.in
Fluid section	12 cm <sup>2</sup>	1.86 sq.in
Delivery per cycle	440 cm <sup>3</sup>	15.5 oz
Number of cycle	2,3 per liter	8.6 per gallon
Flow (20 cycles)	8,8 l	2.33 US gal
Maximum air operating pressure	6 bar	88 psi
Maximum discharge pressure	18 bar	261.1 psi
Weighted sound pressure (LAeq)*	68,4 dBa	68,4 dBa
Maximum operating temperature	50° C	122° F

### Tightness packings :

Bellows : polyethylene  
 Upper fixed : GT seal (polyethylene)  
 or PU seal (red) on request  
 Lower, mobile : PEHD seal  
 or PU seal (red) on request

### \*Test conditions :

- Test duration : 30 s,
- Motor air pressure : 6 bar / 87 psi,
- Material used : water,
- Nb of cycles/min : 20,

### ▪ FITTINGS

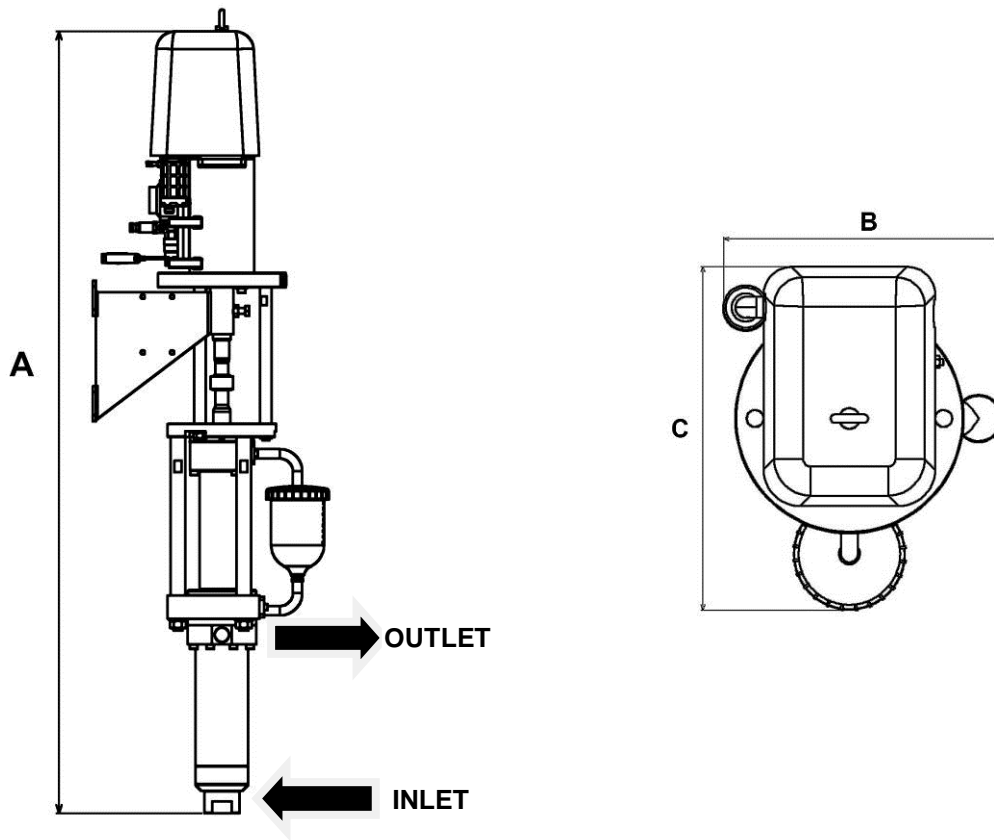
		Pump assembly
Air	Inlet	F 3/4" BSP
Fluid	Inlet	F 1" NPS
	Outlet	F 3/4" NPS

### ▪ HOSES WITH FITTINGS

Pump air supply hose (minimum  $\varnothing$  for a 5m / 16.5 ft length) :  $\varnothing$  20 mm / 3/4 " dia.  
 HP fluid hose (pump fluid outlet) : minimum ID 9,52 mm / 3/8 " dia.

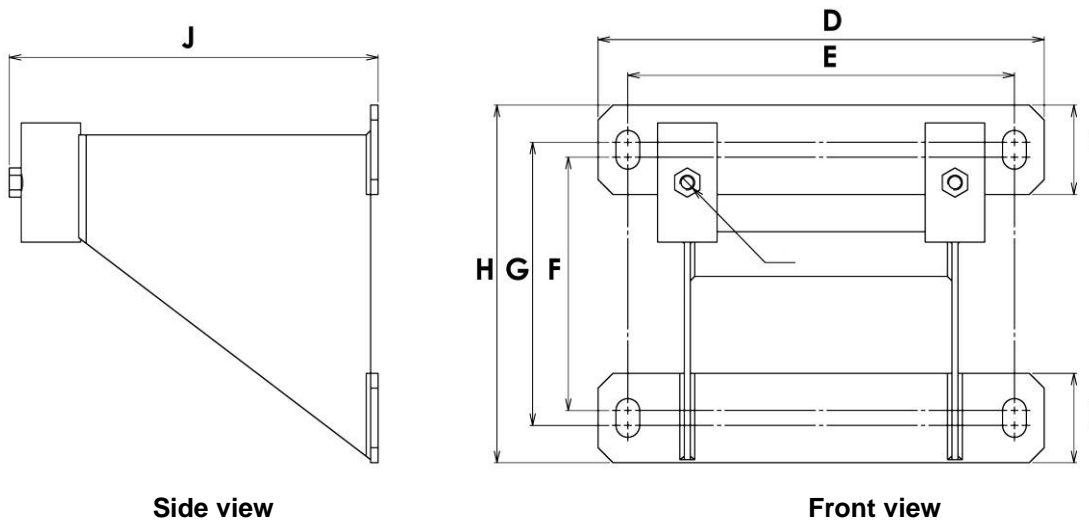
▪ **DIMENSIONS**

Ind.	mm	"	Ind.	mm	"	Ind.	mm	"
<b>A</b>	1333	<b>52.48</b>	<b>B</b>	255	<b>10.04</b>	<b>C</b>	303,5	<b>11.94</b>



▪ **WALL MOUNTED BRACKET OF THE PUMP**

Ind.	mm	"	Ind.	mm	"	Ind.	mm	"	Ind..	mm	"
<b>D</b>	300	<b>11.81</b>	<b>E</b>	260	<b>10.23</b>	<b>F</b>	170	<b>6.7</b>	<b>G</b>	190	<b>7.48</b>
<b>H</b>	240	<b>9.45</b>	<b>I</b>	60	<b>2.36</b>	<b>J</b>	248	<b>9.76</b>			



Side view

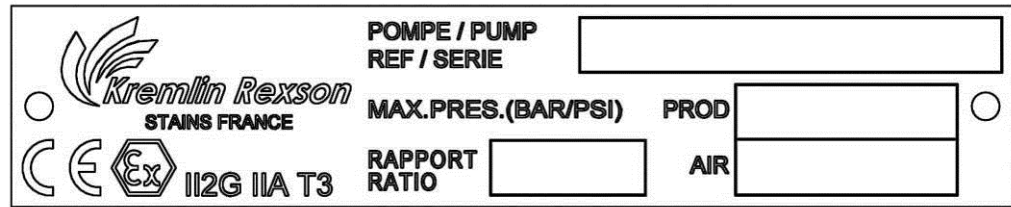
Front view


### 3. INSTALLATION

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

▪ **DESCRIPTION OF THE LABEL MARKING**

Marking according to the ATEX and Machines directives



<b>KREMLIN REXSON</b>	Manufacturer brand
<b>CE</b>	European Conformity
 <b>II 2 G</b>	<b>II</b> : group II <b>2</b> : class 2 Surface equipment meant to an area in which there is an explosive atmosphere with an excessive mixture of air, gases and vapours, which can occasionally build up during normal operation. <b>G</b> : gas
<b>IIA T3</b>	<b>IIA</b> : Gas group for the equipment category <b>T3</b> : Maximum surface temperature : 200°C / 392°F
<b>POMPE / PUMP</b>	Pump version
<b>REF.</b>	Pump part number
<b>SERIE</b>	Number given by KREMLIN REXSON. The 2 first numbers indicate the manufacturing year.
<b>MAX. PRES. (BAR/PSI)</b>	
<b>PROD</b>	Maximum material pressure
<b>AIR</b>	Maximum air pressure
<b>RAPPORT / RATIO</b>	Pump pressure ratio

