



AIRMIX[®] PUMP

EOS 10-C18

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

- Compact pneumatic pump.
- Ease of use and maintenance.

Recommended for :

- Supplying an AIRMIX® spray gun,
- Solvanted paints, water-based paints (Nitro, Polyurethan, Polyester), shades (material viscosity : from 80 to 530 mPa.s).

2. TECHNICAL FEATURES

Motor type340-2 EOS
 Pump body typeEOS C-18
 Theoretical pressure ratio10/1
 Real pressure ratio10/1
 Weight (wall mounted pump without suction rod)5.3 kg / 12 Lbs

Air motor stroke	45 mm	1" - 25/32
Air motor section	35 cm ²	5.5 sq.in
Fluid section	3,9 cm ²	0.6 sq.in
Delivery per cycle	18 cm ³	0.6 oz
Number of cycle	55 per liter	210 per gallon
Fluid delivery (30 cycles)	0,55 l	0.14 US gal
Maximum air inlet pressure	6 bar	87 psi
Maximum fluid discharge pressure	60 bar	870 psi
Weighted sound pressure (LAeq)	79,4 dBa	79.4 dBa
Maximum fluid temperature	60°C	140°F
Maximum ambient temperature	40°C	104°F

Wetted parts :

Hard chrome stainless steel,
 Treated stainless steel,
 Stainless steel

Test conditions :

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

Tightness packings	Upper, fixed	Lower, mobile
standard	Stainless steel cartridge with GT seal	PFA seal
optional	Stainless steel cartridge with seal, charged PTFE (recommended for : - fluid with a viscosity lower than 30 Cps - or solvents with a motor air pressure lower than 2,5 bar / 36.26 psi - or fluids very hard to flush, like PU)	Polyacetale seal

▪ FITTINGS

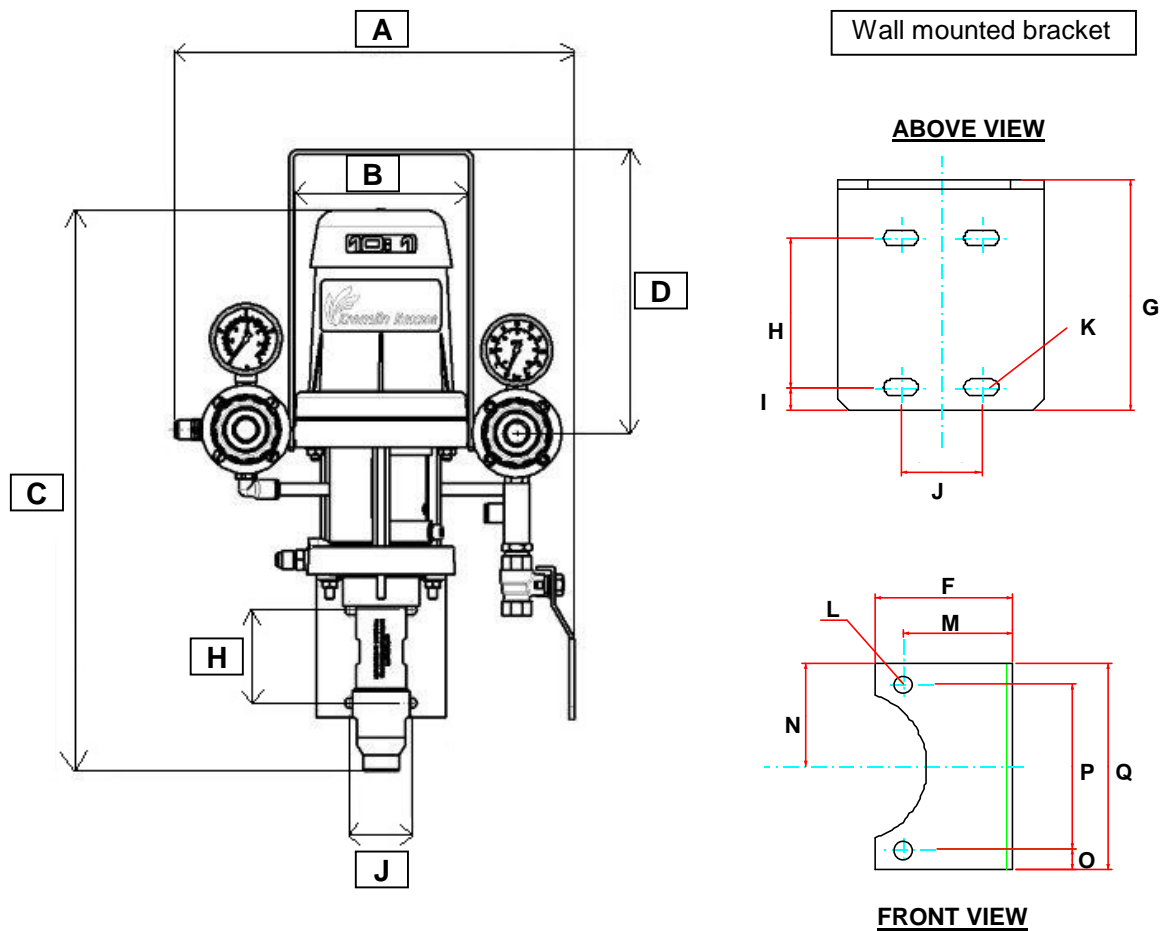
		Bare pump	Pump assembly
Air	Inlet	F 1/4 BSP	F 3/8 BSP (valve)
	Outlet	-	M 1/4 NPS (spraying air)
Fluid	Inlet	M 18 x 125	Suction rod
	Outlet	F 1/4 NPS	M 1/2 JIC

▪ **HOSES WITH FITTINGS**

- Pump air supply hose (minimum \varnothing for a 5m / 16 ft length) : \varnothing 7 mm
- Air hose (between "AIR GUN" air regulator and spray gun) : \varnothing 7 mm int.
- AIRMIX[®] fluid hose (between fluid outlet of the pump and spray gun) : \varnothing 4,8 mm int.

▪ **DIMENSIONS**

Ind.	mm	Inch.	Ind.	mm	Inch.	Ind.	mm	Inch.	Ind.	mm	Inch.
A	278.5	11	B	\varnothing 120	\varnothing 4.7	C	392.5	15.45	D	198	7.8
F	60	2.36	G	100	3.9	H	65	2.56	I	10	0.4
J	43	1.7	K	\varnothing 7X15	0.27x0.6	L	\varnothing 7	\varnothing 0.27	M	48	1.9
N	45	1.8	O	9	0.35	P	72	2.83	Q	90	3.6



3. INSTALLATION

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

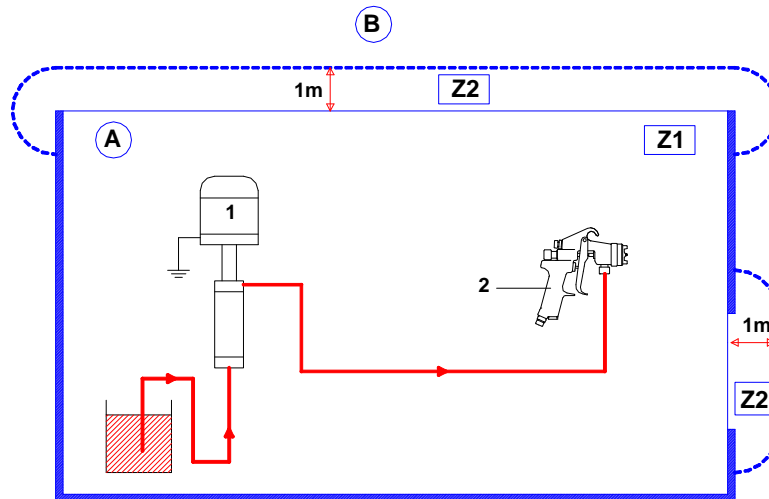
▪ **DESCRIPTION OF THE LABEL MARKING**

Marking in accordance with the ATEX directive



KREMLIN REXSON Logo	Manufacturer label
STAINS FRANCE	Adress of the manufacturer
II 2 G	II : group II 2 : 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. G : gas
IIA T4	IIA : Gas group for the equipment category T4 : Maximum temperature surface : 135°C / 275°F
Type de pompe / Pump type	Pump version
Rapport de pression / Pressure ratio	Pump pressure ratio
Débit par cycle / Fluid flow per cycle	Fluid section capacity
Pression air max. / Max. air pressure	Maximum pump motor air supply pressure
Pression prod max. / Max. fluid pressure	Maximum fluid pressure at the outlet of the pump
Numéro de série / Serial number	Number given by KREMLIN REXSON. The four first numbers indicate the manufacturing year.

■ INSTALLATION DIAGRAM



Ind.	Description
A	Explosive area Area 1 (Z1) or Area 2 (Z2) : spray booth
B	Non explosive area

Ind.	Description
1	Pump
2	Gun



The 1 m / 39.37" distance indicated in the diagram 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.

Please use a conductive air hose (minimum internal diameter : 7mm), for connecting the gun to the air regulator (capable of supplying at least 3 bar / 44 psi.).

Please ensure when fitting the **high pressure** paint hose, between the gun and the pump. That the fittings are firmly tightened.



NB : In some particular cases, if the air hose (4) is a non-conductive hose, the fluid hose (3) must be conductive.

At least one of the 2 hoses (air or fluid) for the gun must be conductive.