



AIRMIX ® Gun

***Xcite*™**

TECHNICAL FEATURES

TRANSLATION OF THE ORIGINAL DOCUMENT

IMPORTANT : before assembly and start-up, Please read and clearly understand all documents relating to this equipment (professional use only).

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

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1. DESCRIPTION

The Xcite™ gun is a manual AIRMIX® gun for professional use only. There are two versions of the gun based upon the working pressure (120 bar / 1740 psi or 200 bar / 2900.6 psi).

The Xcite™ gun is an Airmix® spray gun with adjustable fan pattern and a swivel fitting.

It is recommended for spraying : varnishes, lacquers, colours, solvented or wated-based products, high solid materials, and is suitable for a wide range of 1K and 2K materials.

2. TECHNICAL FEATURES

FEATURES	GUN model Xcite™ - 120b	GUN model Xcite™ - 200b
Air supply pressure	Maximum 6 bar / 87 psi	
Maximum fluid supply pressure	120 bar / 1740 psi	200 bar / 2900.6 psi
Fluid flow rate	Depending on tip size (refer to Doc. :Spare parts)	
Weight (gun + air cap + nozzle)	564 g	
Maximum operating temperature	50°C / 117° F	
Air consumption (for a 22° C / 71.6° F temperature) (with air cap VX 24 K HVLP) Air pressure = 1 bar / 14.5 psi at the gun handle Air pressure = 2 bar / 29 psi at the gun	3.8 m3/h / 2.237 c.f.m 5.9 m3/h / 3.473 c.f.m	
Transfer efficiency (α) according to standard (EN 13966-1)	86 (± 2 %)	
Wetted parts	Stainless steel, PTFE	
Seat (removable)	Stainless steel	Carbide
Fluid fitting (1)	Swivel fitting : M 1/2 JIC / # 5 JIC	
Air fitting (2)	M 1/4 NPS	
Safety device	Safety lever	
Filter	Screen n° 6 mounted at the gun handle	
Noise level (under pressure / with nozzle 09/094 / Handle air pressure = 1,5 bar/ 21.75 psi)	80,7 dBa	82,5 dBa
Stress on the trigger (under pressure/ with nozzle 04/074)	15,7 N (± 1 N) 3.53 Lbs (± 0.22 Lbs)	18,6 N (±1 N) 4.19 Lbs (± 0.22 Lbs)

(α) testing conditions:	Fluid pressure = 60 bar / 870 psi	Viscosity = 25 s (CA 4) or 50 mPas.s
	Handle air pressure = 1.5 bar / 21.75 psi	Temperature = 20,5 °C / 68.9 ° F
	Nozzle : 09/094	Relative humidity = 54%

NB : For HVLP compliance, the maximum inlet air pressure at the gun handle must not exceed 14.5 psi (1bar) to maintain 10 psi (0,68 bar) or less at the air cap. Testing for HVLP compliance was performed using the specified HVLP test air cap, the fan control fully closed and a pressure gauge on the air inlet fitting at the gun handle. It may also be a requirement for some regulatory agencies to have the appropriate test air cap available on site to verify that the gun is in compliance with regulations.

▪ **FAN WIDTH WITH VX24 AIR CAP**

Aircap with 2 pins and tip with 2 recesses



Tips	Pp = 35 bar / 507.6 psi		Pp = 70 bar / 1015.2 psi	
	L 1 (cm)	L 2 (cm)	L 1 (cm)	L 2 (cm)
04/094	20	7	20	8
04/114	22	7	23	9
06/094	21	7	21	10
06/114	23	8	23	11
06/134	25	8	27	13
06/154	28	8	31	15
09/094	21	8	23	11
09/114	22	7	23	12
09/134	25	8	27	13
09/154	28	9	29	15
12/094	21	8	22	11
12/114	24	8	26	12
12/134	26	9	28	16
12/154	26	9	30	15
12/174	31	10	33	17
14/094	22	8	22	11
14/114	23	8	24	12
14/134	27	9	28	15
14/154	29	9	32	16
14/174	30	12	33	20
18/134	27	13	29	19
18/154	29	15	32	21
18/174	31	15	33	23

L 1 : maximum fan width
(fan air control closed)

L 2 : reduced fan width
(fan air control opened)

Pp : fluid pressure

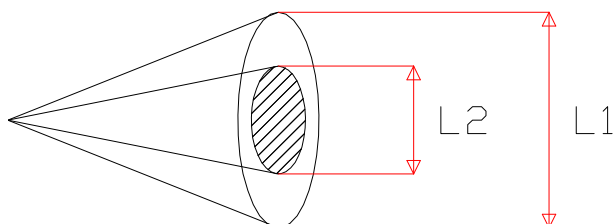
Testing conditions :

Gun handle air pressure = 1.5 bar / 21.75 psi

Viscosity = 45 s (CA 4) or 120 mPas.s

Temperature : 20°C / 68° F


Distance between the gun and the surface to be painted : 20 cm / 7.9"



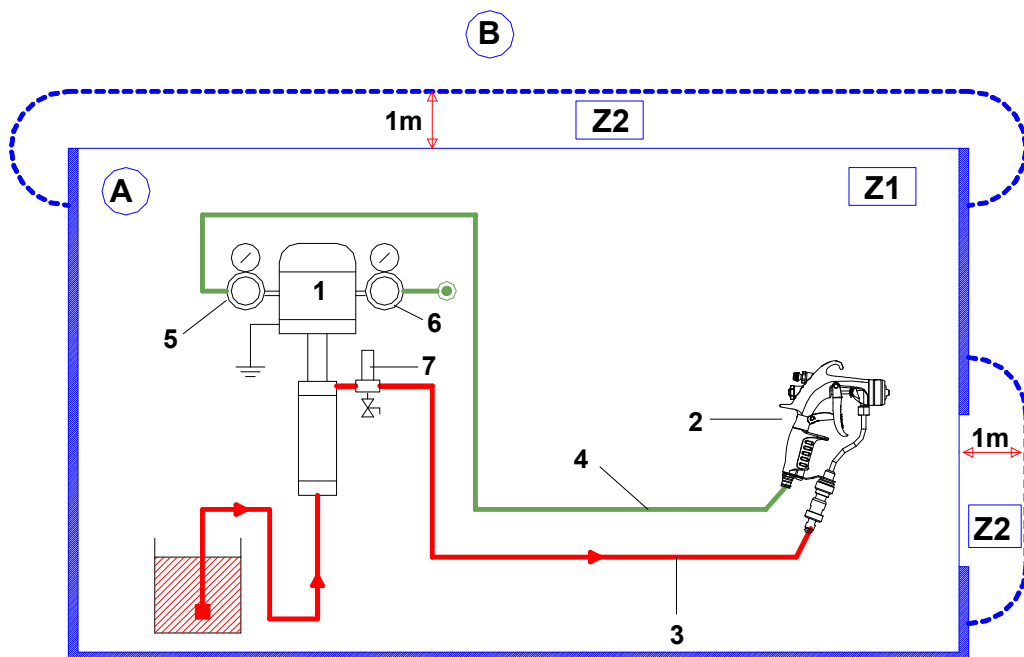
3. INSTALLATION

■ DESCRIPTION OF THE LABEL MARKING

Marking in accordance with the ATEX Directive

KREMLIN REXSON STAINS FRANCE	Name and address of the manufacturer	
CE  II 2 G	CE : European conformity II : group II 2 : class 2 Surface equipment meant to an area where explosive atmospheres due to gas, vapours, mists or air mixtures with dusts will probably appear. G : gas	On the trigger
P air : 6 bar / 87 psi	Gun air supply maximum pressure	
09	Marking of the manufacturing year (with 2 characters)	
X10	Gun model	On the body
P prod : xx bar	Maximum fluid pressure	On the sleeve

■ INSTALLATION DIAGRAM



A	Explosive area : Area 1 (Z1) or area 2 (Z2) : spraybooth
B	Non-explosive area
1	Airmix® pump
2	Airmix® gun, model Xcite™
3	Airmix® fluid hose

4	Conductive air hose
5	Air regulator (→ spraying air)
6	Air regulator (→ fluid pressure)
7	Airmix® fluid filter



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.

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.

One of the 2 hoses (air or fluid) for the gun must be conductive.