

AIRMIX ® GUN

Xcite™

TECHNICAL FEATURES

TRANSLATION FROM 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 CHANGS WITHOUT PRIOR NOTICE.

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1. DESCRIPTION

The Xcite™ gun is a manual AIRMIX® gun for professional use only.

There are three versions of the gun based upon the working pressure (120 bar / 1740 psi, 200 bar / 2900.6 psi or 400 bar / 5801.2).

The Xcite™ gun is an Airmix® spray gun with adjustable fan pattern, a swivel fitting and / or a inline-filter
It is recommended for spraying :

- for the versions, model 120 bar / 1740 psi and 200 bar / 2900.6 psi : varnishes, lacquers, colours, solvented or water-based products, high solid materials and is suitable for a wide range of 1K and 2K materials,
- for the version, model 400 bar / 5801.2 psi : single component adhesives and sealants, M.S.polymers, water-based adhesives, greases, waxes and a large range of thick materials.

2. TECHNICAL FEATURES

FEATURES	GUN Xcite™ - 120 bar / 1740 psi	GUN Xcite™ - 200 bar / 2900.6 psi	GUN Xcite™ - 400 bar / 5801.2 psi
Air supply pressure	Maximum 6 bar / 87 psi		
Maximum fluid supply pressure	120 bar / 1740 psi	200 bar / 2900.6 psi	400 bar / 5801.2 psi
Fluid flow rate	Depending on tip size (refer to Doc. : Spare parts)		
Weight (gun + air cap + nozzle)	517 g (with inline filter) 585 g (with swivel fitting)		600 g (with nozzle protection)
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	3.8 m3/h / 2.237 c.f.m		
Air pressure = 2 bar / 29 psi at the gun handle	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	Inline filter or swivel fitting : M 1/2 JIC		
Air fitting	M 1/4 NPS		
Safety device	Safety lever		Safety lever + nozzle protection
Filter	Screen n° 6 mounted at the gun handle		
Weighted sound pressure (LAeq) (under pressure / with nozzle 09/094 / Handle air pressure = 1.5 bar / 21.75 psi)	80,7 dBa	82,5 dBa	83,8 dBa
Stress on the trigger (under pressure / with nozzle 04/074)	13,7 N (± 1 N) 3.08 Lbs (± 0.22 Lbs)	17,1 N (± 1 N) 3.8 Lbs (± 0.22 Lbs)	25,5 N (± 1 N) 5.7 Lbs (± 0.22 Lbs)

(a) 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 1 bar (14.5 psi) to maintain 0.7 bar (10.1 psi) or less at the air cap.

▪ **FAN WIDTH WITH VX24 AIR CAP**

Aircap with 2 pins and tip with 2 recesses

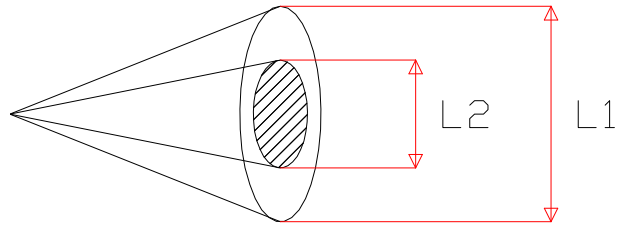


Tips	Pp = 35 bar / 507.6 psi		Pp = 70 bar / 1015.2 psi	
	L 1 (cm)	L 2 (cm)	L 1 (cm)	L 2 (cm)
04/094	20	7	20	8
04/114	22	7	23	9
06/094	21	7	21	10
06/114	23	8	23	11
06/134	25	8	27	13
06/154	28	8	31	15
09/094	21	8	23	11
09/114	22	7	23	12
09/134	25	8	27	13
09/154	28	9	29	15
12/094	21	8	22	11
12/114	24	8	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"



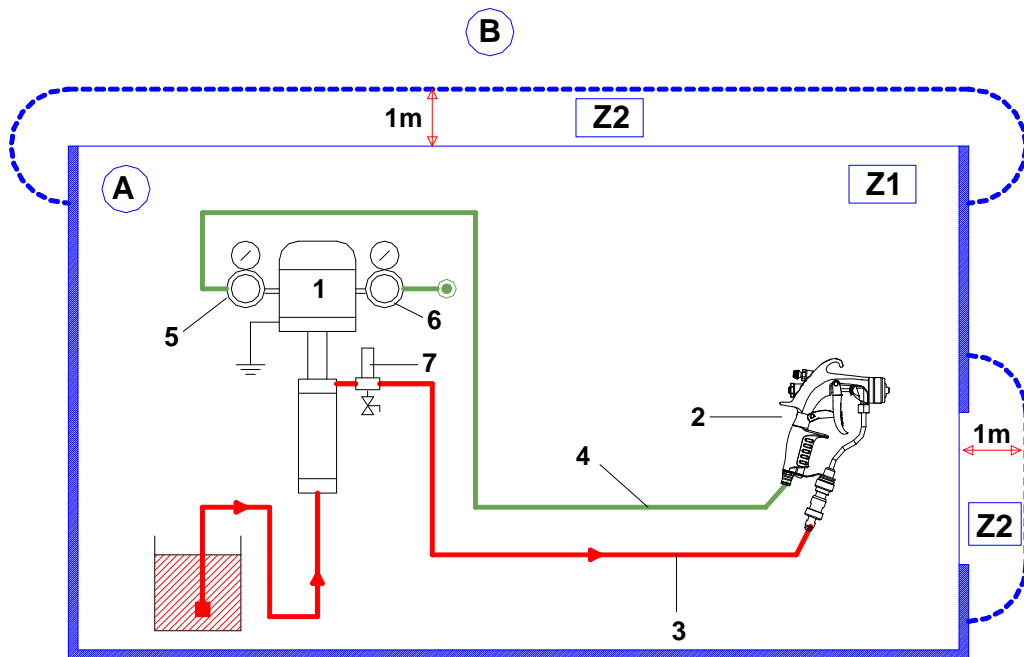
3. INSTALLATION

■ DESCRIPTION OF THE LABEL MARKING

Marking in accordance with the ATEX Directive

KREMLIN REXSON STAINS FRANCE	Name and address of the manufacturer	
CE 	CE : European conformity II : group II 2 : class 2 Surface equipment meant to an area where explosive atmospheres due to gas, vapours, mists are liable to appear from time to time in usual operating. G : gas	On the trigger
P air : 6 bar / 87 psi	Gun air supply maximum pressure	On the body
12	Marking of the manufacturing year (with 2 characters)	On the trigger
Xcite™	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.