



SPECIFICATIONS

AIRMIX[®] GUN MODEL MX 120 LT

Manual : 0510 573.044.212

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Modif. : + note (page 1)

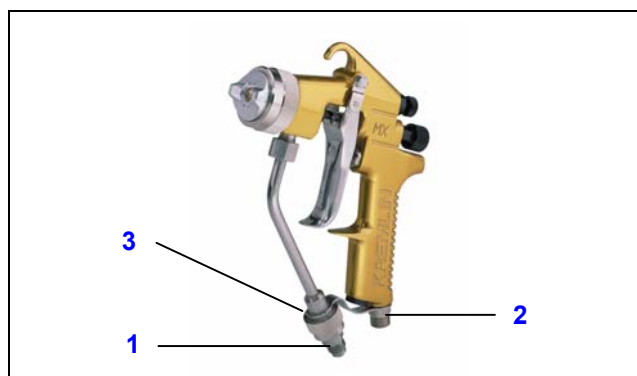
ADDITIONAL DOCUMENTATIONS

SPARE PARTS : GUN, MX 120 LT (Doc. 573.309.050)

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SPECIFICATIONS
AIRMIX® MANUAL GUN - MODEL MX 120 LT

1. TECHNICAL FEATURES



TECHNICAL FEATURES	GUN MX 120 LT	OPTIONAL
Air supply pressure	6 bar / 87 psi max.	
Fluid supply pressure	120 bar / 1740 max.	⇒ 90 bar / 1305 psi (refer to § 3) ⇒ 200 bar / 2900 psi (refer to § 3)
Flow	(refer to Doc. 573.309.050)	
Weight	655 g / 144.36 lb	
Use maximum temperature	50° C / 106° F	
Air consumption	3 to 5 m3/h / 1.8 to 2.9 cfm	
Wetted parts	Stainless steel	
Seat (removal)	Stainless steel	Polyacetal (90 bar / 1305 psi)
Fluid fitting (1)	M 1/2 JIC / # 5 JIC	
Air fitting (2)	M 1/4 NPS	
Trigger	Flexible	
Filter (3) with screen n° 6	Mounted on protective tube	

Parts supplied with the gun :

- 1 polyacetal seat (for use of gun at 90 bar / 1305 psi - refer to § 3)
- 1 spring support, 1 spring, 1 needle stop "200 b" (for use of gun at 200 bar / 2900 psi - refer to § 3)

Note : For HVLP compliance, the maximum inlet air pressure at the gun handle must not exceed 15.5 psi (1,07 bar) 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 of some regulatory agencies that users have the appropriate test air cap available on site to verify that the gun is being operated within the regulatory limitations.

2. DISASSEMBLY

■ SEAT-HOLDER (15)

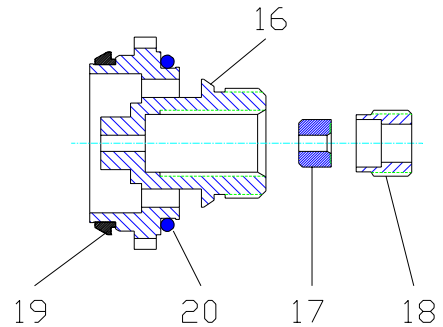
Remove air cap. With the wrench (52) supplied with the gun, unscrew seat-holder (16).

Clean inside of the gun. If required, replace seat-holder (refer to spare parts, ind. 15).

Unscrew seat retainer (18) from the seat assembly to reveal the seat (17). Pry the seat out of the seat recess and replace with a new seat.

Reinstall the seat as shown opposite (tightness cone towards the needle). Do not forget the seal of the seat.

Reassemble in reverse order.



Before installing the seal (19), soak it in hot liquid (water or oil) in order to make it supple.

➡ **Screw the seat holder with the wrench provided by respecting the torque indicated at paragraph 4 : " Assembly instructions".**

■ NEEDLE AND CARTRIDGE (21)

Remove seat-holder (15) as indicated previously.

Remove the trigger (42) by taking off screws (46) and spindle (45).

Remove pin packing (23).

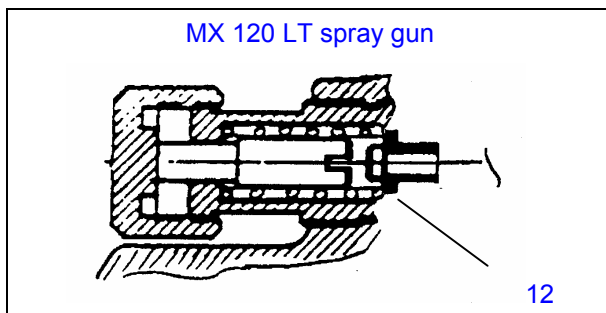
With the wrench, unscrew the needle stop (14) with the spring (13) and its spring support (12).

By means of a round tool, push needle with packing (21) out of body bore.

If required, replace them (refer to spare parts).

Reassemble in reverse order.

➡ **Comply with spring support (12) orientation order depending on the spray gun model.**



■ AIR VALVE ASSEMBLY (25)

Remove the trigger (42). By means of the wrench, unscrew air valve body and remove it with its spring (30) and its seat (26).

If required, replace air valve assembly.

➡ **In the "AIR" servicing kit, take the new air valve mounted with MX valve rod (length : 50 mm / 2").**

▪ **FILTER REPLACEMENT (37)**

Unscrew knurled nut (40) located at the gun material inlet.

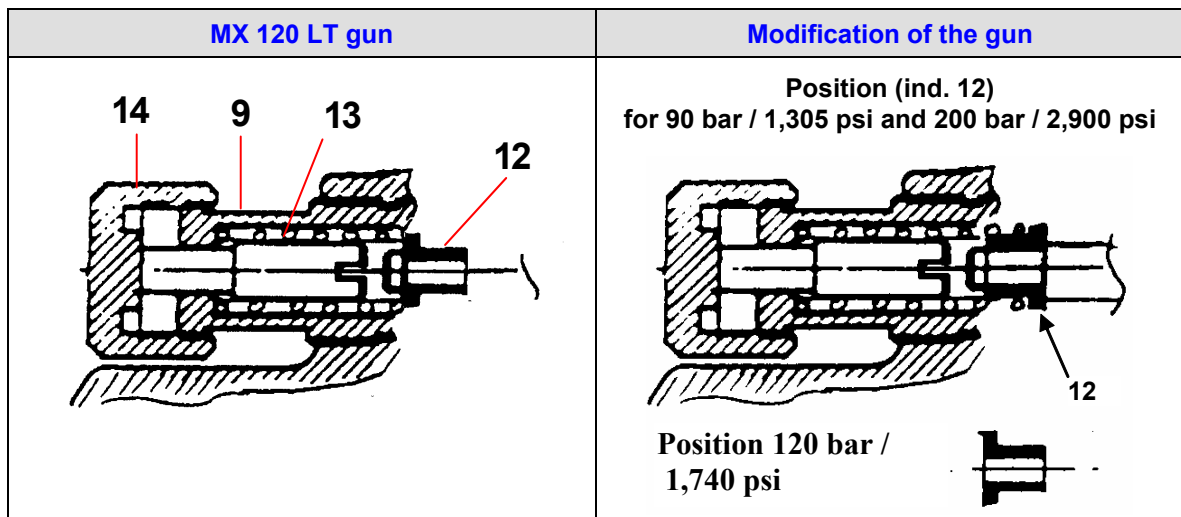
Clean the filter, and by hand, unscrew the filter support (38).

Remove the microfilter (37), change it (refer to chart). Reassemble in reverse order.

Before reassembling the different components, some precautions have to be taken :

- Clean all the parts with the appropriate cleaning solvent and a brush.
- Install new seals if it is necessary after having lubricated them with PTFE grease.
- Install new parts if it is necessary.

3. OPERATING OF THE MX 120 LT GUNS AT 90 BAR / 1,305 PSI OR 200 BAR / 2,900 PSI



▪ **MX 120 LT AT 90 BAR / 1,305 PSI**

Replace the stainless steel seat (17) of the MX 120 LT with **an acetal resin** seat (supplied with the gun).

Remove the needle stop (14) by means of the wrench supplied the gun.

Remove the spring (13) and the spring support (12).

➡ **Turn the spring support (12).**

Reassemble in reverse order.

▪ **MX 120 LT AT 200 BAR / 2,900 PSI**

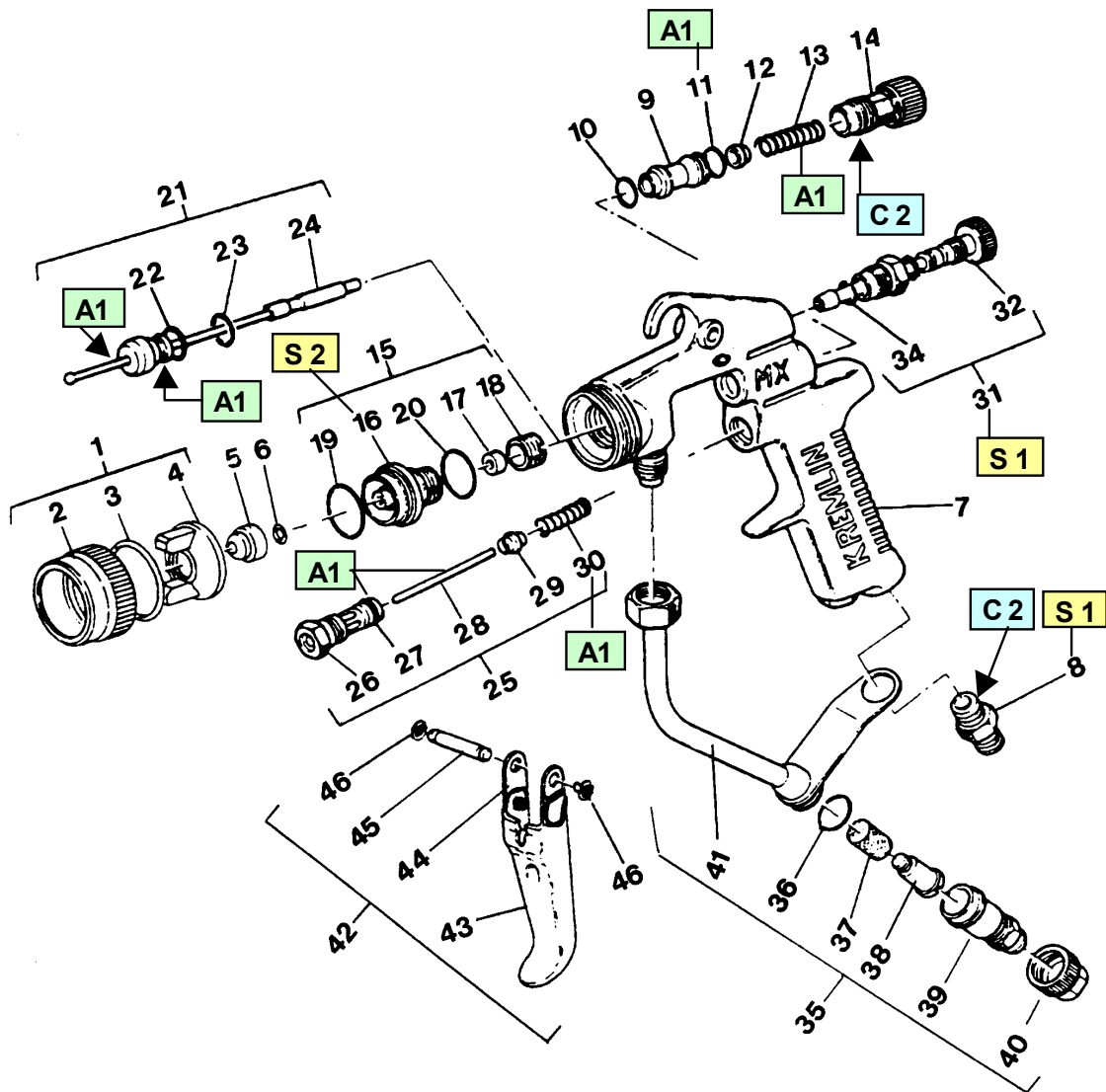
Remove the needle stop (14) with the wrench supplied with the gun.

Remove the spring (13) and the spring support (12).

Install the spring support (12), the spring (13) and the needle stop "200 b" (2,900 psi) (14) supplied with the gun.

➡ **Comply with spring support (12) orientation order.**

4. ASSEMBLY INSTRUCTIONS



Index	Instructions	Description	Part number
A1	PTFE grease	"TECHNILUB" grease (10 ml)	560.440.101
C2	Low strength - Aneorobic Adhesive - Loctite 222	Glue bottle (50 ml)	554.180.010
S1	Screwing torque : 9 - 11 Nm / 6.6 - 8.1 ft / lbf		
S2	Screwing torque : 24 Nm / 17.7 ft / lbf		