



KREMLIN REXSON



SPECIFICATIONS
EXTRUSION PUMP
Model 60-120

Manual : 0402 573.050.212

Date : 9/02/04

ADDITIONAL DOCUMENTATIONS FOR PUMP, MODEL 60-120

SPARE PARTS :	Wall mounted unit	(doc. 573.298.050)
	Fluid section	(doc. 573.213.040)
	Motor	(doc. 573.646.040)
	Reversing block	(doc. 573.087.040)

KREMLIN REXSON – Site de Stains : 150, avenue de Stalingrad
93 245 STAINS CEDEX - FRANCE
Téléphone : 33 (0)1 49 40 25 25 Fax : 33 (0)1 48 26 07 16

SPECIFICATIONS
EXTRUSION PUMP, model 60-120

1. TECHNICAL FEATURES

- Pallet pump
- Pump for cold extrusion

Recommended for :

- supplying one or several spray guns,
- extruding thick or viscous materials from a drum.

Motor model8000-4 Pump body model120 Pressure ratio60/1 Wetted parts : Hard chrome stainless steel, stainless steel, aluminium alloy, treated steel Tightness packings : Upper : Acetale resin (x12) Lower : PTFE G (x 6)	Air motor running Air motor section Fluid section Delivery per cycle Number of cycle Fluid flow rate (10 cycles). Maximum power air pressure Maximum piloting air pressure Maximum fluid pressure Noise level Maximum operating temperature Air consumption per cycle (under 4 bar / 58 psi air pressure) Weight	100 mm 748 cm ² 11 cm ² 220 cm ³ 4,5 per liter 2,2 l 6 bar 4 bar 360 bar < 82 dBa 50°C 90 l 80 kg	4" 116 sq.in 1.7 sq.in 13.4 cu.in 17 per US gal 0.58 US gal 87 psi 58 psi 5221 psi < 82 dBa 122° F 23.8 US gal 176.3 lb
--	--	--	---

■ FITTINGS

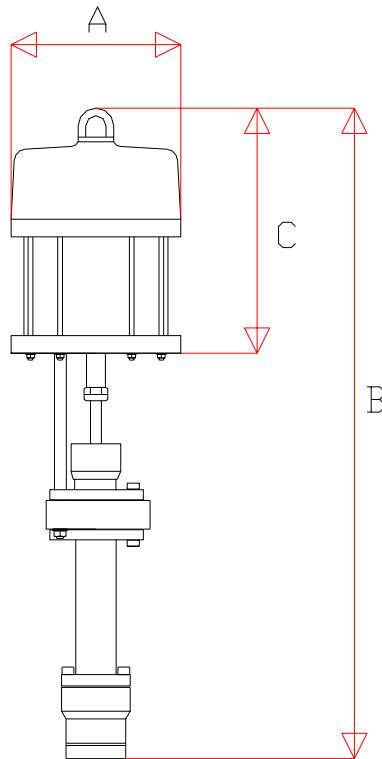
		Bare pump
Air	Inlet	F 3/4" BSP
Fluid	Inlet	Adaptation flange for following plate (drum Ø 360 or 600 mm)
	Outlet	F 1" BSP

■ HOSES WITH FITTINGS

Pump air supply hose (minimum Ø for a 5m / 16.5 ft length) : Ø 20 mm / 3/4" dia.

■ DIMENSIONS

Ind.	A	B	C
mm	∅ 380	1 280	520
"	15	50.4	21



2. MAINTENANCE



WARNING :

Before any intervention on the pump, shut off the compressed air and depressurize the circuits by triggering the spray gun and opening the drain valve.

■ DISASSEMBLY OF THE FLUID SECTION

Disassemble the fluid section from the air motor.

Unscrew the tightening nut (2).

Remove the nuts (3) and the tie rods (8).

Remove the upper flange (5).

→ Take off the A packing.

Disassemble the cylinder (9) from the suction thrust (10).

→ Remove the piston (1).

→ To take off the B packing, unscrew the exhaust valve seat (30).

Unscrew the screws (28) to separate the suction thrust (10) from the lower flange (13).

Unscrew the nut (18).

Remove the feed valve (16) and the feed washer (15).

Remove the lower flange (13) and take off the valve seat (11).

→ Remove the suction valve (20).

■ REASSEMBLY

Change all the flat seals and the O-Rings - Lubricate them.
Clean the parts with white spirit or with the appropriate solvent.

UPPER PACKING (A)

Install the upper packing (A) into the upper flange (5). Make sure you properly install the parts.

Screw the cup (2) by hand without tightening the exhaust flange (5).

Install the seal (6) into the upper flange (5).

Place the O Ring (7) into the thread root draft of the upper flange (5).

Insert piston (1) into parts (2-A-5) from 2 to 7 to assure the proper orientation of the chevron seals. Warning : the biggest tapping of the piston downwards.

LOWER PACKING (B)

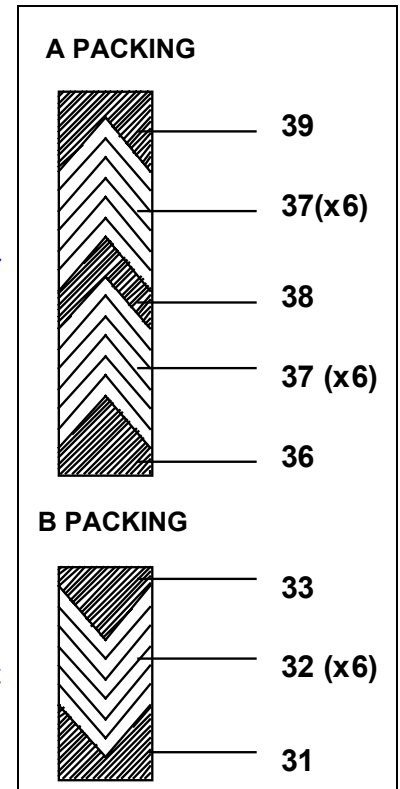
Install the washer (31) on the seat (30).

Install the chevron seals (32), the upper washer (33), 1 or 2 washers (34).

Screw and tighten the valve nut (35) on the seat (30).

Place the part on the exhaust valve (29). The cone of the part (29) comes on the cone of the part (30).

Screw and tighten the exhaust valve (29) into the piston (1). First, apply low strength - Aneorobic Adhesive - Loctite 222 to prevent from the unscrewing of the whole.



CYLINDER

Lubricate the seals mounted on the exhaust valve as well as the inside of the cylinder (9).

Insert the cylinder (9) into the flange (5).

Fit the suction thrust (10) with a seal (6) placed at the bottom and with the O Ring (7) place in the tread root draft.

Lubricate and install the suction thrust (10) on the cylinder (9).

SUCTION VALVE

Place the O Ring (27) on the suction thrust. Lubricate the seal (27).

Install the suction valve (20) on the feed rod (19); first, lubricate it in the conic orientation of the valve (20) to the least diameter of the feed rod.

Glue and screw the part (19 & 20) into the exhaust valve (29).

Fit the lower flange (13) with the seal (12) and place the suction valve seat (11) into the lower flange .

Place the second seal (12) on the seat (11).

Screw and tighten slightly the 6 tie-rods (8) into the lower flange (13).

Install the lower flange assembly on the suction thrust (10).

Screw and tighten the screws (28) and torque to 12 m/kg.

Screw and tighten the nuts (3) to fix the tie rods. Torque to 8 m/kg.

Install the parts (14, 15, 16, 17) on the feed rod (19).

Screw and tighten the nut (18).

Warning :

After reassembling on the air motor the fluid section, fill up the cup with lubricant, supply the pump with air and gradually increase pressure to maximum for the setting of the seals.

After half an hour, depressurize the pump and check the torque.

