



SPECIFICATIONS

AIRLESS PUMP

model 65-130
Flowmax ®

Manual : 0809 573.020.212

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ADDITIONAL DOCUMENTATIONS FOR PUMP, MODEL 65-130 FLOWMAX ®

SPARE PARTS :	Wall mounted unit	(doc. 573.291.050)
	Air motor	(doc. 573.251.050)
	Fluid section	(doc. 573.223.050)
	Reversing-block	(doc. 573.087.040)

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SPECIFICATIONS

AIRLESS PUMP , model 65-130 Flowmax ®

1. TECHNICAL FEATURES

- Air operated piston pump with a bellows seal fluid packing
- Low maintenance and ease of use. Use without lubrication.

Designed for :

- Supplying one or several guns, model AIRLESS
- Spraying semi-fluids materials (anticorrosion material, glue)
- Circulating

Motor model 8000-4 F
 Body pump model 130 F
 Theoretical pressure ratio 65/1
 Real pressure ratio 65/1

Wetted parts :

Hard chrome stainless steel
 Stainless steel, carbide

Tightness packings :

Bellows : polyethylene
 Upper fixed : GT seal (polyethylene)
 Lower, mobile : GT seal (polyethylene)

Air motor stroke	100 mm	4"
Air motor section	804 cm ²	125 sq.in
Fluid section	12 cm ²	1.9 sq.in
Delivery per cycle	240 cm ³	8.5 oz
Number of cycle	4	15 per US gal
Flow (20 cycles).	4,8 l	1.27 US gal
Maximum air operating pressure	6 bar	88 psi
Maximum discharge pressure	390 bar	5656 psi
Noise level	78 dBa	78 dBa
Maximum operating temperature	50°C	122 °F

Weight : Wall mounted pump with suction rod 120 kg / 265 lb
 Cart mounted pump 150 kg / 330 lb

■ FITTINGS

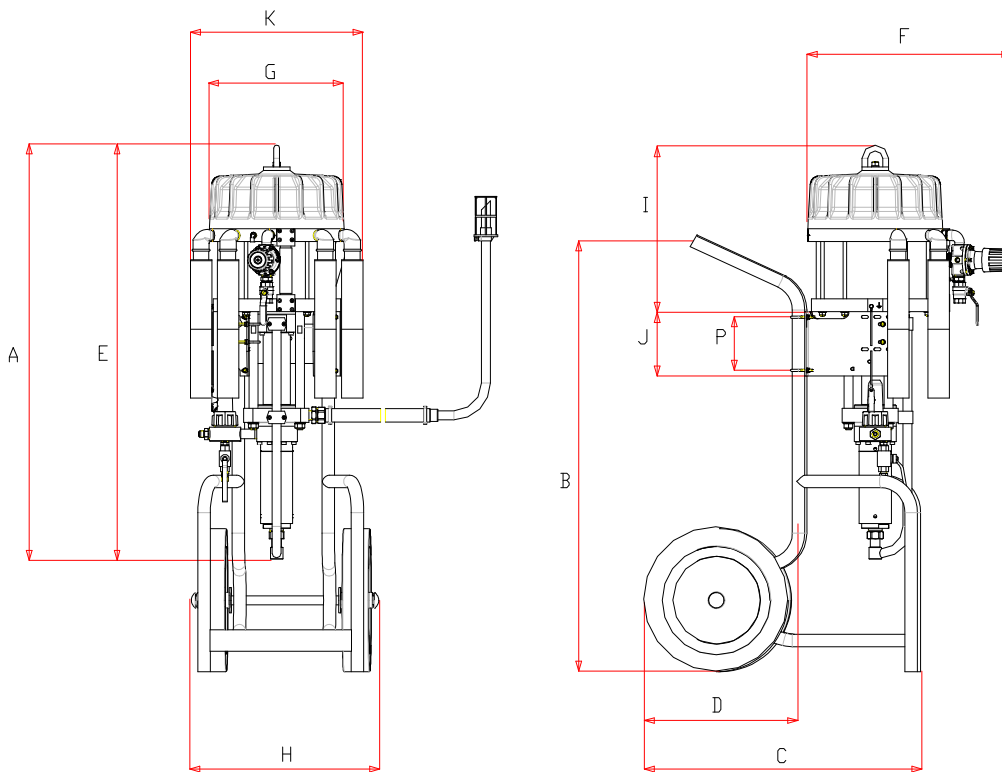
		Bare pump	Pump assembly
Air	Inlet	F 3/4 BSP (valve)	F 3/4 BSP (valve)
Fluid	Inlet	F 1" BSP	Fitting MM 1" - 38x150 + suction rod (fitting F 38x150)
	Outlet	F 3/4 NPS	# 8 JIC (Male 3/4 JIC) (filter outlet)

■ HOSES WITH FITTINGS

Pump air supply hose (minimum Ø for a 5m / 16.5 ft length) : Ø 20 mm / 3/4 dia.
 AIRLESS fluid hose (between pump fluid outlet and gun) : Ø 9,52 mm int. / 3/8 dia.

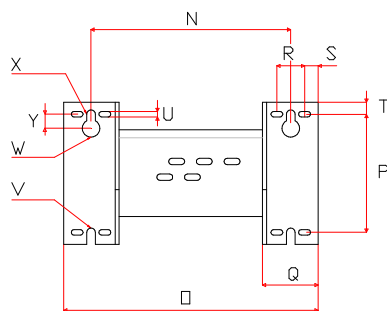
■ DIMENSION

Ind.	mm	"	Ind.	mm	"	Ind.	mm	"
A	1480	58.27	B	1165	45.86	C	725	28.54
D	390	15.35	E	1160	45.67	F	575	22.64
G	Ø 380	Ø	H	530	20.86	I	470	18.50
J	180	7.08	K	485	19.10	L	288	11.34
M	107.5	4.23	N	251	9.88	O	251	9.88
P	150	5.90	Q	70	2.75	R	35	1.38
S	17	0.67	T	15	0.59	U	7 x 15	0.27 x 0.59
V	Ø 11	Ø 0.43 - 7/16	W	Ø 22	Ø 0.87 - 7/8	X	Ø 11	Ø 0.43 - 7/16
Y	18	0.71						

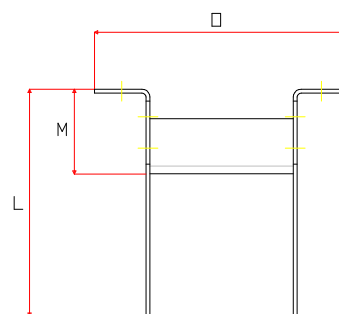


WALL MOUNTED BRACKET OF THE PUMP

front view



above view



2. MAINTENANCE



WARNING :

Before any action on the pump, shut off the compressed air supply and depressurize the systems by triggering the spray gun.

■ FLUID SECTION OR AIR MOTOR REPLACEMENT (REFER TO DOC. 573.291.050)

Disassemble all the accessories of the pump (rods, filter).

Disassemble the pump from the cart, then from the bracket by removing the nuts that hold on the U-bolts.

Put aside the pump (the pump is fitted with an hoisting ring).

To replace the fluid section (2) or the air motor (1), the pump must be removed (see bellows) :

- **Remove the FLUID SECTION (refer to Doc. 573.223.050)**

Disassemble the connecting rod (41), the suction valve (30), the cylinder (21).

Remove the 3 nuts (11) that hold on the 3 tie-rods (7) and slide the upper flange (1). Hold on the guide rod of the air motor and unscrew the piston (22).

- **Remove the COUPLING part.**

- **Remove the air motor.**

DISASSEMBLY / REASSEMBLY OF THE FLUID SECTION

Unscrew the fitting (38) and the screws (43 and 45) to remove the attachment fluid tube (41).

■ SUCTION VALVE (REFER TO DOC. 573.223.050)

Unscrew the suction valve (30). (If the cylinder (21) remains attached to the suction valve, unscrew both parts, then hold cylinder (21) by inserting a rod into the cylinder holes designed for this purpose).

The ball (32) is secured on the valve by means of a circlips (33).

Clean the parts.

Reinstall the suction valve (30) and the seal (24). Replace the parts if it is necessary.

■ CYLINDER

In order to make easier the disassembly, a hole is drilled in the cylinder (21) at each end.

Depending on the part that it is unscrewed first, insert a rod into one of these holes to unscrew the other part.

When reassembling, make sure the two seals (24) are installed.

Lubricate the inside of the cylinder to prevent from damaging the mobile packing.

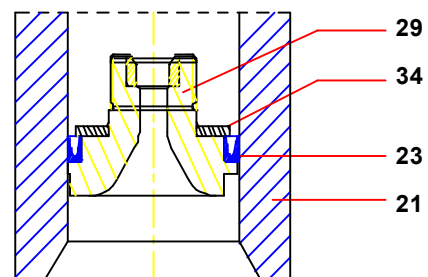
■ EXHAUST VALVE AND MOBILE PACKING

Unscrew the cylinder (21) and pull it downwards.

Unscrew the exhaust valve (29) by holding the piston (22).

Remove the ball (25), the ring (34) and the mobile packing (GT seal 23).

Clean all the parts and replace them by changing the seals if it is necessary. **Comply with the GT seal installation order.**



■ UPPER TIGHTNESS SEAL

Unscrew the 4 screws (26).

Remove the tightness seal (27) by pulling the exhaust flange (20) downwards.

Change the tightness seal (27), the O rings (8 and 24).

Reassembly

Position the GT seal (27) on the cone shaped tool (50) supplied with the fluid section. **Comply with the GT seal installation order.**

Slide the piston (22) into the flange (20) by inserting it from bottom to top.

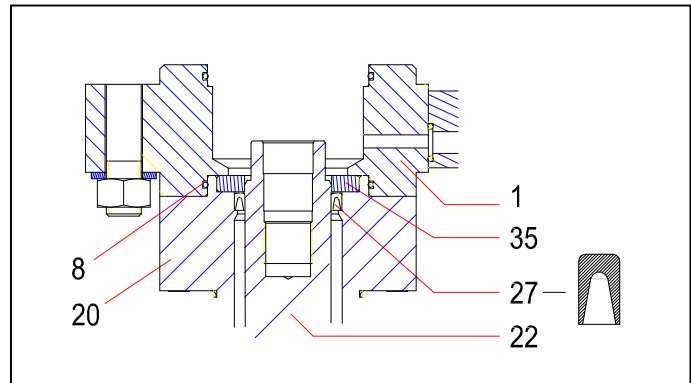
Position the tool equipped with the seal on the upper part of the piston.

Slide the seal on the piston (the tool prevents from damaging the seal when assembling the piston).

Remove the tool. Position the seal into the exhaust valve (20).

Hold the piston to prevent from its sliding downwards.

Place the upper ring (35) and tighten the whole with the screws (26).



DISASSEMBLY / REASSEMBLY OF THE COUPLING (WITH BELLOWS)

Disassemble the fluid section prior to carrying out the following procedure:

■ BELLOWS (REFER TO DOC. 573.223.050)

Unscrew the nuts (11) from the coupling tie-rods.

Remove the suction flange (1) and the cylinder (2) by pulling them downwards.

Disassemble the piston (22) from the air motor rod.

Unscrew the skirt (6) to remove the low part of the bellows.

Disassemble the suction bearing (3) of the air motor by unscrewing the screws (9).

Remove bellows coupling part by sliding it off air motor rod .

Disassemble the bellows flange (4) by removing the screws (10) to take off the upper part of the bellows.

Change the bellows (5).

When installing bellows, push it into skirt (6) firmly.

Insert the bellows into the suction bearing (3).

Assemble the flange (4) in the bearing (3) and tighten the assembly with the screws (10).

Slide them along the air motor rod.

Screw the skirt (6) on the air motor rod.

➔ **Rotate the bellows coupling part and motor rod until suction bearing (3) matches the lower support of the air motor. Be careful not to twist the bellows.**

Secure the suction bearing (3) on the lower support of the air motor by means of the screws (9).

Remount the fluid section piston (22) on the air motor rod.

Change the seals (8) then remount the cylinder (2) and the suction flange (1).

Install the assembly on the tie-rods (7) and tighten the nuts (11).

AIR MOTOR

■ REVERSING BLOCK (REFER TO DOC. 573.251.050)

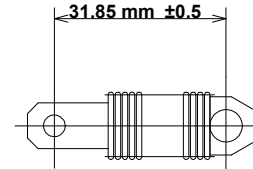
Disassemble the air motor cover (6) by removing the nut (4).

Dissociate the female yoke (27) from the reversing block lever (9).

Dismount the reversing -block by removing the screws (28).

Reinstall the new reversing-block in the reverse order of the disassembly sequence.

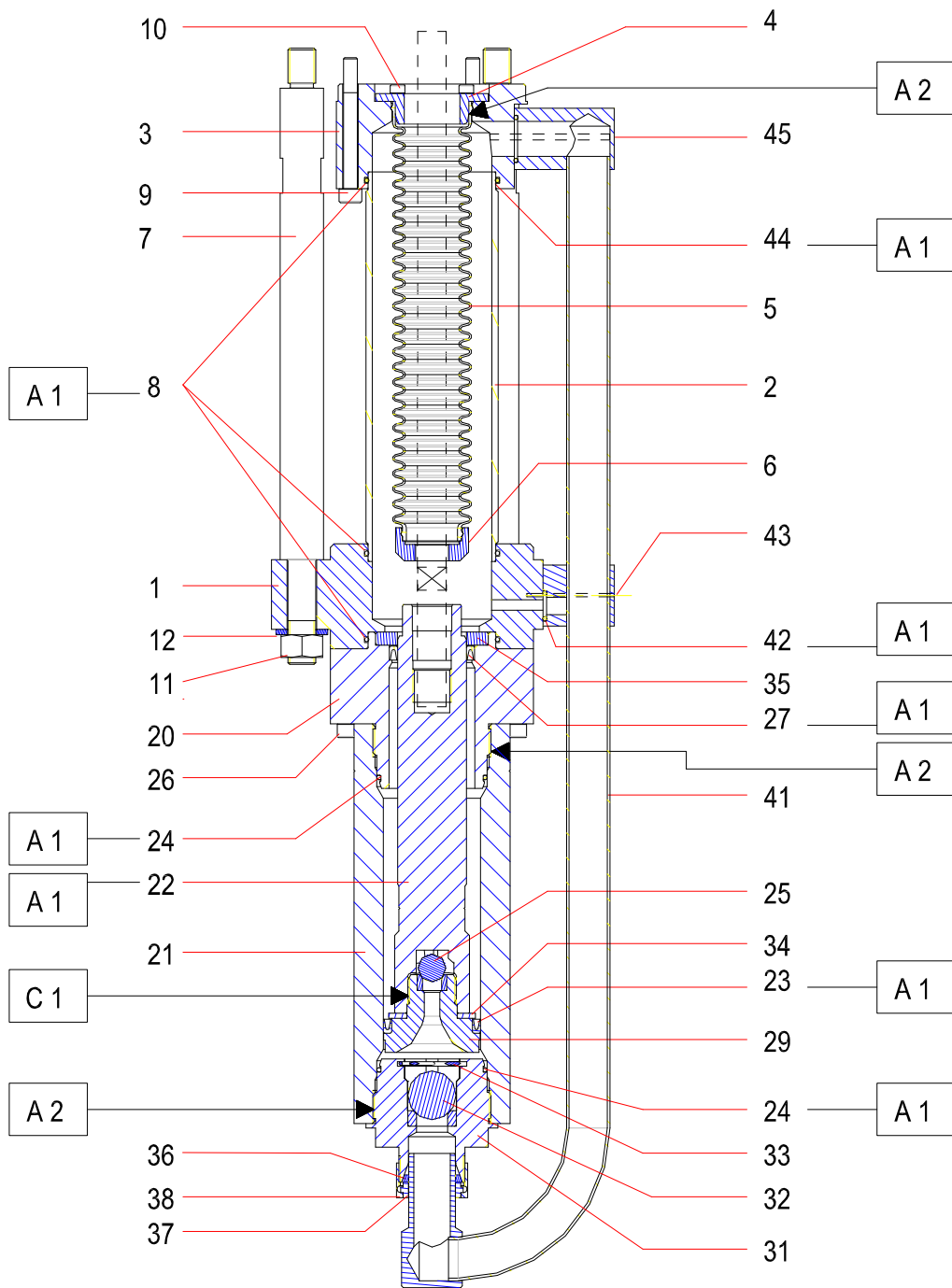
- ➔ **CAUTION** : the number of spirals must equally be distributed on each fastening parts in order to get the above dimension.



Before reassembling the different components :

- Clean the parts with the appropriate cleaning solvent.
- Install new seals if it is necessary, after having lubricated them with PTFE grease.
- Lubricate the piston and the inside of the cylinder to prevent from damaging the seals.
- Install new parts if it is necessary.

ASSEMBLY INSTRUCTIONS



Index	Instruction	Description	Part number
A1	PTFE grease	'TECHNILUB' grease (10 ml)	560.440.101
A2	Graphite grease	Graphite grease box (1 kg / 2.204 lb)	560.420.005
C1	Medium strength Aneorobic Pipe sealant	Loctite 577	