



DECLARACION DE CONFORMIDAD "CE" "EC" DECLARATION OF CONFORMITY

MODELO / MODEL DP - 100

Este producto cumple con la siguiente directiva de la Comunidad Europea. This Product complies with the following European Comunity Directive.

<u>Directiva 2014/34/EU Atex sobre máquinas. (Ex II 2G c T6 X)</u> Machinery Directive 2014/34/EU Atex Directive. (Ex II 2G c T6 X)

APROBADO POR / APPROVED BY

AITOR ORTIZ

FECHA/DATE

MBP, S.L. figura inscrita en el Registro Industrial del País Vasco con el Nº 01/8030 y cumple los requisitos para el desarrollo de su actividad comercial.

MBP, S.L. is registered in the Industrial Register of the Basque Country with the N° 01/8030.



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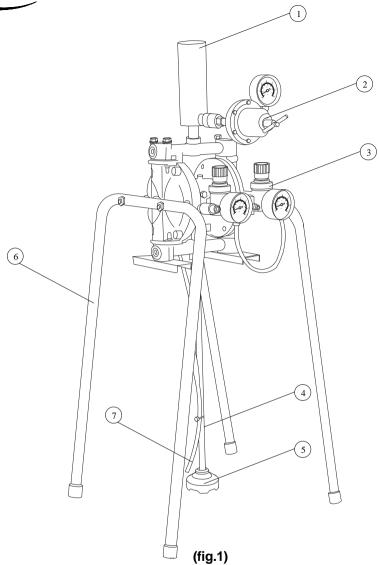
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TECHNICAL DATA

PUMP RATIO	1:1
DELIVERY PER CYCLE	52cc.
MAX. CYCLE PER MIN.	300 cycles/min.
MAX. FLUID PRESSURE	7 bar
AIR INLET	1/4''
PRODUCT INLET	3/8"
PRODUCT OUTLET	1/4"
PRODUCT OUTLET (REGULATOR)	3/8''
AIR PRESSURE RANGE	2-7 bar
DOUBLE ACTING PUMP	





- 1.- SURGE TANK
- 2.- PRESSURE REGULATOR
- **3.-** AIR REGULATORS
- 4.- SUCTION PIPE
- 5.- SUCTION FILTER
- 6.- STAND
- 7.- DRAIN



The DP-100 is the ideal pump for all kind of air-spray-guns.

- The operator does not need frequent fillings of the paint container.
- Easy to be used, strong and reliable, it can apply all kind of paints, from the fluidest to the most viscous, always obtaining the best result.
- The possibility of adjusting directly the fluid pressure increases the regulation width of the spray-guns.
- Paint changes are extremely simple, quick and with no wase of product.
- It substantially improves the handiness of the spray gun.

INSTALLATION AND FIRST WASHING

- Locate the pump in an easily accessible position.
- Connect the atomization -air pipe and the paint delivery pipe to their respective outlets. Be sure not to invert them on the spray gun.
- Connect the specil engine air connection to the compressed air pipeline, by means of a not too long pipe having an adequate diameter (at least 8). Make sure not to use pipe fittings with an insuficient diameter which could limit the air flow rate.
- Lift the pump and plunge the suction pipe into a container filled with clear solvent. Open the recirculation valve (drain).
- During the washing operations it is advisable to keep the atomization air closed.
- Adjust the air regulator pressure to 2 bar. The pump sucks the solvent and pours it back into the container through the recirculation system, thus cleaning itself.
- Adjust the paint pressure to 1 bar. Keeping the gun over the solvent container, press the trigger and let it reflow for a few seconds. Check the pipe fittings sealing and tighten them if necessary.
- Close the air by means of the engine air regulator.
- This is the position during idle periods. It is imperative to leave the pump full of solvent when it remains unusued.



OPERATIONS AT THE END OF THE WORK

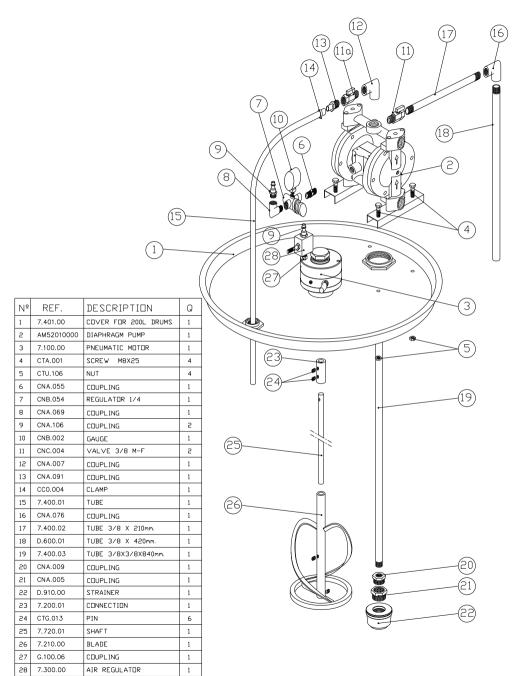
- After painting, close the atomization air.
- Adjust the engine air pressure down to 2 bar. pen the recirculation valve.
- Lift the pump and let the paint drain out. Plunge the suction pipe into the solvent container.
- Open the gun and let the paint contained in the pipe drain into the paint container. When the solvent begins to flow, close and then open the gun over the solvent container and let reflow for 1-2 minutes.
- Close the engine feeding air.
- Leave the pump full of solvent.
- Clean the filter of the suction pipe.

HOW TO START THE PAINTING OPERATION

- Prepare the paint.
- Start the pump by setting the engine air pressure to 2 bar and make sure that the drain valve is open. Lift the pump and wait until it is empty from solvent.
- Plunge the suction pipe into the paint container and wait till the pump is full. Close the drain valve or, if the paint requires a continuous agitation, adjust it to the right flow rate. Set the engine air pressure to 3-4 bar or even more if the viscosity to the paint requires it.
- Open the gun and let the solvent drain out of the pipe.
- Close the gun as soon as the paint begins to flow.
- Set the paint pressure to 1 bar.
- Set the atomization air pressure to 1,5-2 bar.
- Now you can begin to paint.

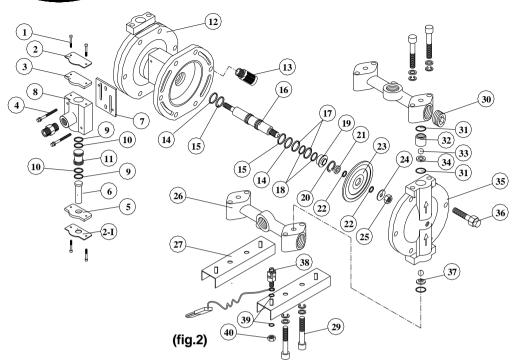


TYPICAL INSTALLATION





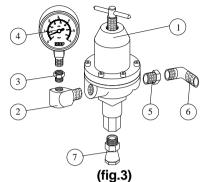
PARTS DRAWING DP.100



Nº	REF.	DESCRIPTION	Q	Nº	REF.		Ω
						D D.	Q
1	CG1001	Screw	4	20		Retainer Ring	2
2	CG1002	Gasket	1	21	CG1021	Plate	2
2-I	CG1002-I	Gasket	1	22	CG1022		2
3	CG1003	Gasket	1	23	CG1023	Diaphragm-teflon	2
4	CG1004	Screw	2	24	CG1024	Plate	2
5	CG1005	Gasket	1	25	CG1025	Screw	2
6	CG1006	Plunger	1	26	CG1026	Manifold	2
7	CG1007	Gasket-rubber	1	27	CG1027	Base rack	2
8	CG1008	Director valve	1	29	CG1029	Screw	8
9	CG1009	O-ring-rubber	2	30	CG1030	Plug	4
10	CG1010	O-ring-teflon	2	31	CG1031	O-ring-teflon	6
11	CG1011	Piston-polypropylene	1	32	CG1032	Ball guid	2
12	CG1012	Pump body	1	33	CG1033	Ball	4
13	CG1013	Muffler	1	34	CG1034	Retaining seat	2
14	CG1014	O-ring-rubber	2	35	CG1035	Side cover	2
15	CG1015	O-ring-teflon	2	36	CG1036	Countersink screw	12
16	CG1016	Shaft	1	37	CG1037	Retaining seat	2
17	CG1017	O-ring	2	38	TIE.PQ	Ground	1
18	CG1018	O-ring	2	39	CAR.022	Washer	2
19	CG1019	Busher-bronze	2	40	CTU.107	Nut	1



PRESSURE REGULATOR



COMPLETE REGULATOR 601-01-200

***1.-** 601-01 Fluid regulator

2.- G.910.01 Coupling

3.- CNA.082 Coupling

4.- CNB.003 Gauge

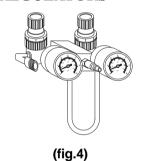
5.- CNA.052 Coupling

6.- CNA.080 Elbow

7.- CNA.121 Swivel

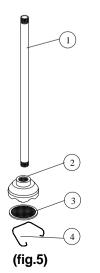
* Available in tungsten carbide.

AIR REGULATORS



Mod. F.600.00

SUCTION PIPE D.600.00



1.- D.600.01 Suction pipe

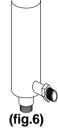
2.- D.600.02 Filter body

3.- D.132.00 Filter

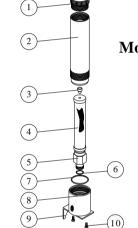
4.- D.130.02 Spring







Mod. CG.1167

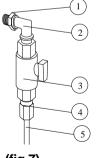


Mod. G.600.00

- 1.- G.600.03 Cover
 - **2.-** G.600.02 Cylinder
 - **3.-** G.600.04 End
 - **4.-** G.100.22 Filter
 - **5.-** G.600.05 Racord

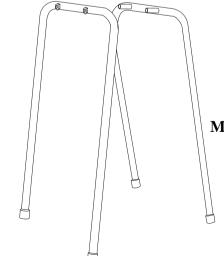
- **6.-** CJT.043 Joint
- **7.-** G.600.07 Joint **8.-** G.600.01 Body
- **0.** G.000.01 Dody
- **9.-** G.600.06 Support
- **10.-** CTC.001 Screw

DRAIN Mod.G.610.00



- (fig.7)
 1.- CNA.052 Coupling
 2.- CNA.069 Coupling
- **3.-** CNC.003 Valve
- 4.- CNA.057 Coupling
- **5.-** MAPM.203 Tube

STAND



Mod. E.600.00

(fig.8)



PROBLEM	CAUSE	SOLUTION
Pump will not cycle or cucles once and stop.	Clogged or damaged pilot valves.	Repair or replace.
eucles once and stop.	Dirt in air passegeway.	Clean valve housing and pilot area.
	Director valve gaskets and plate installed incorrectly.	Check and correct.
Pump cucles at stall or fails to hold pressure at stall.	Leaky check valves or o-rings.	Repair or replace.
to note pressure at sum.	Worn director valve.	Repair or replace.
	Worn shaft seals.	Replace.
Pump operates erratically.	Clogged suction line.	Inspect. Clear.
	Check valve is loose.	Tighten.
	Sticky check valve balls.	Clean or repair.
	Diaphragm ruptured.	Replace
	Sticky director valve.	Add two drops oil to air inlet.
Air bubbles in fluid.	Suction line loose.	Tighten.
	Diaphragm ruptured.	Replace.
Pump exhaust air at stall.	Worn or damaged director valve.	Repair or replace.
	Sticky director valve.	Add two drops oil to air inlet.
	Worn shaft seals.	Inspect. Replace.
Pump leaks fluid from check valves.	Worn or damaged o-rings.	Inspect. Replace.
Fluid in exhaust air.	Diaphragm ruptured.	Replace.

















G.600.00





E.701.750

WARRANTY

M.B.P., will any repairs necessary during the first 12 months after purchase of a new unit, with the exceptions shown under 1 and 2 below, and under the conditions shown in item 3.

- 1.-Damage caused by external abuse, customer negligence, or failure to operate the unit in accordance with the instructions supplied with the unit.
- 2.- Normal maintenance items.
- 3.-Within the first 12 months after purchase, M.B.P. will pay 100% of the cost of covered repairs.

In no case will M.B.P.liability extend beyond repair or repalacement of the equipment. Such liability is limited to the amount of the original purchase price paid for the unit, minus a reasonable deduction for the time the unit has been in service. It is the responsibility of the purchaser under this warranty to ship or deliver the failed paint sprayer to the authorized service center at the purchaser's expence. Parts or components covered under this warranty may either be repaired or replaced at M.B.P. option.

Equipment not covered by M.B.P. warranty. Accessories or components of equipment sold by M.B.P. that are nort manufactured by M.B.P. are subject to the warranty, if any, of their manufacturer. M.B.P. will provide purchaser with reasonable assistance in making such claims.

The Industry Department of The Basque Government, states that all electric and pneumatic airless equipment manufacture by M.B.P. S.L., follows the "CE" standards under the number 83/392/CEE.



MBP, S.L.

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