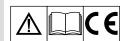


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GIOTTO

Electric diaphragm pump













INDEX

	INTRODUCTION	p.1
Α	WORKING PRINCIPLE	p.2
В	TECHNICAL DATA	p.2
С	DESCRIPTION OF THE EQUIPMENT	p.3
D	TRANSPORT AND UNPACKING	p.4
Ε	SAFETY RULES	p.4
F	SETTING-UP	p.5
G	WORKING	p.8
Н	CLEANING AT THE END OF THE WORK	p.9
1	ROUTINE MAINTENANCE	p.10
L	WARNING PLATE	p.10
М	PROBLEMS AND SOLUTIONS	p.11

Ν	CORRECT PROCEDURE OF DECOMPRESSIONp.12
O	FLYWHEEL DISASSEMBLINGp.13
P	SUCTION SYSTEMp.17
Q	COMPLETE HYDRAULIC BODYp.19
R	GIOTTO PETROL – GIOTTO LINERp.21
S	COMPLETE COLOUR BODYp.22
T	MOTORp.24
U	TROLLEYp.25
V	GRAVITY HOPPER 50L GIOTTO REF. 18240p.26
W	ACCESSORIESp.28
	CERTIFICATE OF CONFORMITYp.33



Read this operator's manual carefully before using the equipment. An improper use of this machine can cause injuries this warning is not to people or things.



It indicates an accident risk or serious damage to equipment if followed.



It indicates a fire or explosion risk if this warning is not followed.



It is obligatory to wear suitable clothing as gloves, goggles and face shield.



It indicates

important recommendations about disposal andrecycling process of products in accordance with the environmental regulations.

WE ADVISE THE USE OF THIS EQUIPMENT ONLY BY PROFESSIONAL OPERATORS. ONLY USE THIS MACHINE FOR USAGE SPECIFICALLY MENTIONED IN THIS MANUAL.

Thank you for choosing a LARIUS S.R.L. product. As well as the product purchased, you will receive a range of support services enabling you to achieve the results desired, quickly and professionally.





A WORKING PRINCIPLE

The **Larius Giotto** unit is defined as an "electric diaphragm pump". An electric diaphragm pump is used for high pressure paint spraying without air (known as "airless").

The pump is powered by an electric (internal combustion) motor coupled with a cam shaft. The shaft acts on the hydraulic piston as it pumps oil from the hydraulic case and sends the suction diaphragm into fibrillation. When

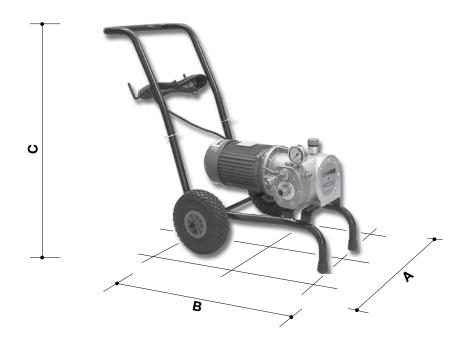
the diaphragm moves, it creates a vacuum. The product is sucked up, pushed towards the pump outlet and sent to the guns through the flexible hose . A hydraulic valve on the hydraulic case head allows setting and checking the pressure of the paint product at the pump outlet. A second hydraulic safety valve to avoid over-pressure, ensures total equipment reliability.

B TECHNICAL DATA

	GIOTTO		
SUPPLY (single-phase, Three-phase internal combustion supply, petrol-diesel)*	220V 50Hz / 110V 60Hz 380V 50Hz		
MOTOR POWER Mono-threephase Internal combustion	2,2 kW 4,5 kW		
MAX. WORKING PRESSURE	210 bar		
MAX. DELIVERY	8 L/min		
MATERIAL OUTLET	M16 x 1,5 (M)		
WEIGHT	50 Kg		
LEVEL OF THE SOUND PRESSURE	≤ 75dB(A)		
LENGTH	(A) 1000 mm		
WIDTH	(B) 600 mm		
HEIGHT	(C) 850 mm		

^{*}Available on request with special voltages

PARTS OF THE PUMP IN CONTACT WITH THE MATERIAL Stainless Steel AISI 420B, PTFE, Aluminium.

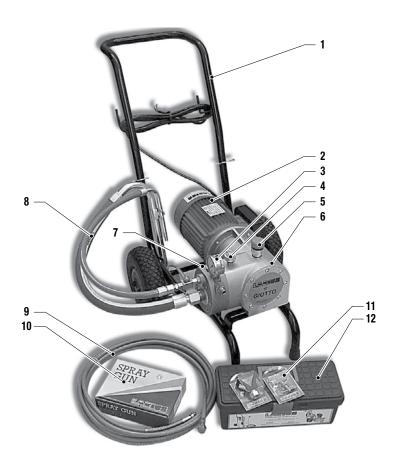


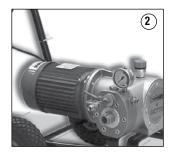
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C DESCRIPTION OF THE EQUIPMENT











POS.	Description
1	Carriage
2	Electric motor
3	High pressure manometer
4	Setting valve
5	Hydraulic oil filling cap
6	Hydraulic body

Description			
Complete colour body			
Suction and recirculation tube			
High pressure feed tube			
LARIUS AT 300 gun			
Fast clean			
Tools box			





TRANSPORT AND UNPACKING

- The packed parts should be handled as indicated in the symbols and markings on the outside of the packing.
- Before installing the equipment, ensure that the area to be used is large enough for such purposes, is properly lit and has a clean, smooth floor surface.
- The user is responsible for the operations of unloading and handling and should use the maximum care so as not to damage the individual parts or injure anyone.
 To perform the unloading operation, use only qualified and trained personnel (truck and crane operators, etc.) and also suitable hoisting equipment for the weight of the installation or its parts.

Follow carefully all the safety rules.

The personnel must be equipped with the necessary safety clothing.

- The manufacturer will not be responsible for the unloading operations and transport to the workplace of the machine.
- Check the packing is undamaged on receipt of the equipment. Unpack the machine and verify if there has been any damage due to transportation.
 In case of damage, call immediately LARIUS and the Shipping Agent. All the notices about possible damage or anomalies must arrive timely within 8 days at least from the date of receipt of the plant through Registered Letter to the Shipping Agent and to LARIUS.
- The disposal of packaging materials is a customer's competence and must be performed in accordance with the regulations in force in the country where the plant is installed and used. It is nevertheless sound practice to recycle packaging materials in an environment-friendly manner as much as possible.

SAFETY RULES

 THE EMPLOYER SHALL TRAIN ITS EMPLOYEES ABOUT ALL THOSE RISKS STEMMING FROM ACCI-DENTS, ABOUT THE USE OF SAFETY DEVICES FOR THEIR OWN SAFETY AND ABOUT THE GENERAL RULES FOR ACCIDENT PREVENTION IN COM-PLIANCE WITH INTERNATIONAL REGULATIONS AND WITH THE LAWS OF THE COUNTRY WHERE THE PLANT IS USED. THE BEHAVIOUR OF THE EMPLOYEES SHALL STRICTLY COMPLY WITH THE ACCIDENT PREVENTION AND ALSO ENVIRONMENTAL REGULATIONS IN FORCE IN THE COUNTRY WHERE THE PLANT IS INSTALLED AND USED.

Read carefully and entirely the following instructions before using the product. Please save these instructions in a safe place.



The unauthorised tampering/replacement of one or more parts composing the machine, the use of accessories, tools, expendable materials other than those recommended by the Manufacturer can be a danger of accident.

The Manufacturer will be relieved from tort and criminal liability.

- KEEP YOUR WORK PLACE CLEAN AND TIDY. DISORDER WHERE YOU ARE WORKING CREATES A POTENTIAL RISK OF ACCIDENTS.
- ALWAYS KEEP PROPER BALANCE AVOIDING UNUSUAL STANCE.
- BEFORE USING THE TOOL, ENSURE THERE ARE NOT DAMAGED PARTS AND THE MACHINE CAN WORK PROPERLY.
- ALWAYS FOLLOW THE INSTRUCTIONS ABOUT SAFETY AND THE REGULATIONS IN FORCE.
- KEEP THOSE WHO ARE NOT RESPONSIBLE FOR THE EQUIPMENT OUT OF THE WORK AREA.
- NEVER EXCEED THE MAXIMUM WORKING PRESSURE INDICATED.
- NEVER POINT THE SPRAY GUN AT YOURSELVES OR AT OTHER PEOPLE. THE CONTACT WITH THE CASTING CAN CAUSE SERIOUS INJURIES.
- IN CASE OF INJURIES CAUSED BY THE GUN CASTING, SEEK IMMEDIATE MEDICAL ADVICE SPECIFYING THE TYPE OF THE PRODUCT INJECTED. NEVER UNDER-VALUE A WOUND CAUSED BY THE INJECTION OF A FLUID.
- ALWAYS DISCONNECT THE SUPPLY AND RELEASE THE PRESSURE IN THE CIRCUIT BEFORE PERFOR-MING ANY CHECK OR PART REPLACEMENT OF THE EQUIPMENT.
- NEVER MODIFY ANY PART IN THE EQUIPMENT. CHECK REGULARLY THE COMPONENTS OF THE SYSTEM. REPLACE THE PARTS DAMAGED OR WORN.
- TIGHTEN AND CHECK ALL THE FITTINGS FOR



CONNECTION BETWEEN PUMP, FLEXIBLE HOSE AND SPRAY GUN BEFORE USING THE EQUIPMENT.

- ALWAYS USE THE FLEXIBLE HOSE SUPPLIED WITH STANDARD KIT. THE USE OF ANY ACCESSORIES OR TOOLING OTHER THAN THOSE RECOMMENDED IN THIS MANUAL, MAY CAUSE DAMAGE OR INJURE THE OPERATOR.
- THE FLUID CONTAINED IN THE FLEXIBLE HOSE CAN BE VERY DANGEROUS. HANDLE THE FLEXIBLE HOSE CAREFULLY. DO NOT PULL THE FLEXIBLE HOSE TO MOVE THE EQUIPMENT. NEVER USE A DAMAGED OR A REPAIRED FLEXIBLE HOSE.



The high speed of travel of the product in the hose can create static electricity through discharges and sparks. It is suggested to earth the equipment.

The pump is earthed through the earth cable of the supply.

The gun is earthed through the high pressure flexible hose. All the conductors near the work area must be earthed.

- NEVER SPRAY OVER FLAMMABLE PRODUCTS OR SOLVENTS IN CLOSED PLACES.
- NEVER USE THE TOOLING IN PRESENCE OF POTEN-TIALLY EXPLOSIVE GAS.



Always check the product is compatible with the materials composing the equipment (pump, spray gun, flexible hose and accessories) with which it can come into contact. Never use paints or solvents containing Halogen Hydrocarbons (as

the Methylene Chloride).

If these products come into contact with aluminium parts can provoke dangerous chemical reactions with risk of corrosion and explosion.







IF THE PRODUCT TO BE USED IS TOXIC, AVOID INHALATION AND CONTACT BY USING PROTECTION GLOVES, GOGGLES AND PROPER FACE SHIELDS.



TAKE PROPER SAFETY MEASURES FOR THE PROTECTION OF HEARING IN CASE OF WORK NEAR THE PLANT.

Electrical safety precautions

- Check the "ON/OFF" switch is on the "OFF" position before connecting the cable to the mains.
- Never carry a plugged-in equipment.
- Disconnect the equipment before storing it and before performing any maintenance operation or replacing of accessories.
- Do not carry the equipment neither unplug it by pulling the electric cable.
 - Protect the cable from heat, oil and sharp edges.
- When the tool is used outdoors, use only an extension cable suited for outdoor use and so marked.



Never attempt to tamper with the calibre of instruments.

- Take care when the pumping rod is moving.
 Stop the machine whenever someone is within its vicinity.
- Repairs of the electrical equipment should only be carried out by skilled personnel, otherwise considerabledanger to the user may result.

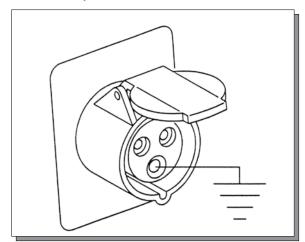
SETTING-UP

CONNECTION OF THE FLEXIBLE HOSE TO THE GUN

- Connect the high pressure flexible hose to the pump and to the gun ensuring to tighten the fittings (the use of two wrenches is suggested).
 - NEVER use sealants on fittings' threads.
- It is recommended to use the hose provided with the standard kit (ref. 35017).
 - NEVER use a damaged or a repaired flexible hose.

CHECK ON POWER SUPPLY

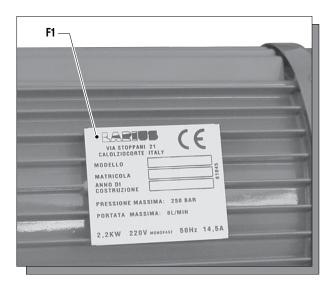
Check the plant is earthed.



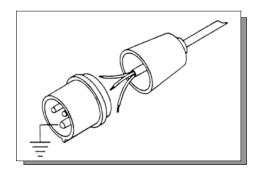




Check the mains voltage corresponds to the equipment's rating (F1).



The supply cable is provided without plug. Use a plug which guarantees the plant earthing. Only a technician or a skilled person should perform the connection of the plug to the electric cable.

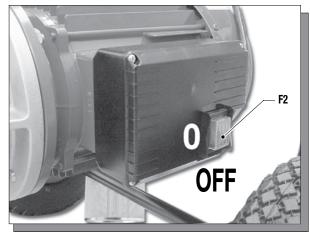


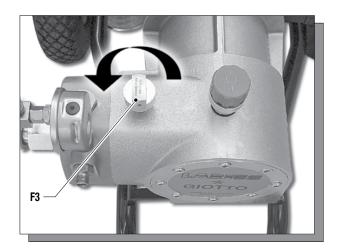
Should anyone use an extension cable between the tooling and the socket, it must have the same characteristics as the cable supplied (minimum diameter of the wire 2.5 mm²) with a maximum length of 50 mt. Higher lengths and lower diameters

can provoke excessive voltage falls and also an anomalous working of the equipment.

CONNECTION OF THE TOOLING TO THE POWER SUPPLY

- Check the ON/OFF switch (F2) is on the "OFF" position (0) before connecting the cable to the mains.
- Place the pressure control knob (F3) on the "MIN" position (turn counterclockwise).



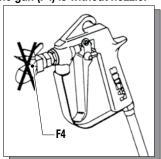




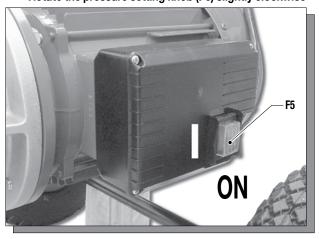


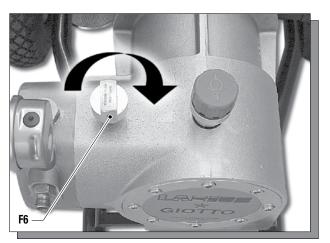
WASHING OF THE NEW EQUIPMENT

- The equipment has already been adjusted at our factory with light mineral oil left inside the pumping group as protection. Therefore, wash with diluent before sucking the product.
- Lift the suction pipe and dip it into the solvent tank.
- Ensure the gun (F4) is without nozzle.



- Open the re-circulation tap.
 Turn the unit ON-OFF switch (F5) on the "ON" position (I).
- Rotate the pressure setting knob (F6) slightly clockwise





so that the machine operates at minimum power.

- Point the gun at a container keeping the trigger pressed (so as to drain the oil inside) till a clean solvent comes out.
 Now, release the trigger.
- Remove the suction pipe and take away the solvent tank.
- Point the gun at the solvent tank and press the trigger so as to recover the residual solvent.
- As the pump idles, press the ON/OFF switch (F5) on the position "OFF" (0) to stop the tooling.

Absolutely avoid to spray solvents indoors. In addition, it is recommended to keep away from the pump in order to avoid the contact between the solvent fumes and the electric motor.

- Now the machine is ready. Should you use water paints, besides the solvent wash, a wash with soapy and then clean water is suggested.
- Insert the gun trigger lock and assemble the nozzle.

PREPARATION OF THE PAINT

- Make sure the product is suitable to be used with a spray gun.
- Mix and filter the product before using it. For filtration, use CLOSE-MESH (ref.214) and LARGE-MESH (ref.215) LARIUS METEX braids.



Make sure the product to be used is compatible with the materials employed for manufacturing the equipment (stainless steel and aluminium). Because of that, please contact the supplier of

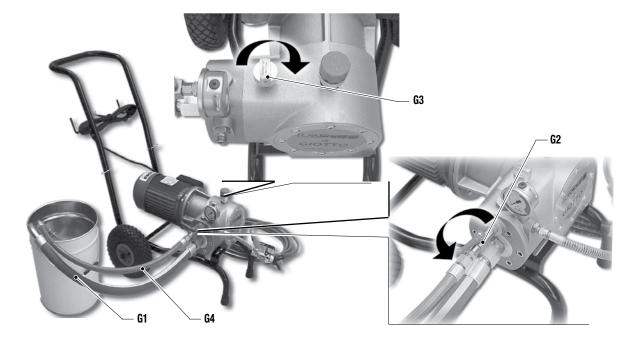
the product.

Never use products containing halogen hydrocarbons (as methylene chloride). If these products come into contact with aluminium parts of the equipment, can provoke dangerous chemical reactions with risk of explosion.





G WORKING



START OF THE PAINTING OPERATIONS

- Use the tooling after performing all the SETTING UP operations above described.
- Dip the suction pipe (G1) into the product tank.
- Open the re-circulation valve (G2).
- Press the ON/OFF switch of the equipment and turn a little the pressure control knob (G3) clockwise, so as the machine works at the idle speed.
- Make sure the product recycles from the return tube (G4).
- Close the re-circulation valve.
- At this point the machine will continue to suck the paint product until the delivery hose is completely full.
 Afterwards, the product will re-circulate automatically.

SPRAY ADJUSTMENT

- Slowly turn clockwise the pressure control knob to reach the pressure value in order to ensure a good atomization of the product.
- An irregular and marked spray on the sides indicates a low working pressure. On the contrary, a too high pressure causes a high fog ("overspray") and waste of product.
- In order to avoid overthickness of paint, let the gun advance sideways (right-left) when spraying.
- Always paint with regular parallel bands coats.
- Keep a safety and constant distance between the gun and the support to be painted and also keep yourselves perpendicular to it.

NEVER point the spray gun at yourselves or at other people. The contact with the casting can use serious injuries. In case of injuries caused by the gun casting, seek immediate medical advice specifying the type of the product injected.

The drain valve is a safety valve too. When working at the maximum pressure available, releasing the gun trigger sudden increases of pressure can occur. In this case, the drain valve opens automatically eliminating part of the product from the recirculating tube. Then it closes so as to go back to the first working conditions.

ED. 11 - 09/2020 - Cod. 150159





H CLEANING AT THE END WORK

• Reduce pressure to the minimum (turn counterclockwise the pressure control knob (H1)).



- Press the ON/OFF switch (H2) placed on the box of the electric motor, to stop the equipment.
- First release the residual pressure from the gun by holding it pointed down towards the paint container, then open the re-circulation valve.
- Lift the suction pipe and replace the product tank with that of the solvent (ensure it is compatible with the product being used).
- Unscrew the gun nozzle (do not forget to clean it with solvent!).
- Turn the ON-OFF switch (H2) on the ON position and rotate the pressure setting knob (H1) slightly clockwise.
- Make sure the solvent recycles the washing fluid from the return tube.
- Close the re-circulation valve.
- Point the gun at the product tank and, keeping the trigger pressed, release the remaining product till a clean solvent comes out. Now, release the trigger.

- Lift again the suction pipe and remove the solvent tank.
- Now point the gun at the solvent tank and press the trigger so as to recover the residual solvent.
- As the pump starts idling, press the ON/OFF switch to stop the equipment.
- In case of long storage, we recommend you to suck and to leave light mineral oil inside the pumping group and the flexible hose.



Follow the washing procedure before using again the equipment.





II ROUTINE MAINTENANCE

TOP UP HYDRAULIC OIL

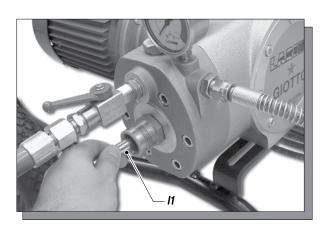
With each start up, check the hydraulic oil level by looking through the gauge on the side of the hydraulic body. If necessary, use, to top up the level:

AGIP DICREA 150 type hidraulic oil

RELEASE THE SUCTION VALVE

If the pump malfunctions, release the suction valve fitted on the head of the pump in the following way:

 Remove the suction hose fitting and release the valve by inserting a rigid rod (I1) with a diameter of no more than 15 mm.



CLEANING THE COMPRESSION VALVE

When the compression valve must be removed, clean it with specific solvents depending on the type of paint used and refit all parts by inverting the removal order.

REPLACING HYDRAULIC OIL

After operating for 100 hours, replace the oil in the pump;

- Discharge the waste oil through the hydraulic filter fitted at the bottom of the pump casing.
- Clean and, if necessary, replace the worn seals.
- Replace the filter in its seat by screwing it tightly.
- Fill the pump with the recommended oil until it reaches the maximum level.

AGIP DICREA 150 type hidraulic oil

Then, substitute the oil every 250 hours.



CLEANING THE MOTOR COOLING FAN GUARD

Clean the motor cooling fan protection guard periodically to ensure the best cooling.

WARNING PLATE



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M PROBLEMS AND SOLUTIONS

Problem	Cause	Solution
The equipment does not start	 Lack of voltage; Considerable drops in mains voltage; ON-OFF switch disconnected; 	 Check the correct connection to the power supply; Check the extension cable; Ensure the ON-OFF switch is on the "ON" position and turn clockwise the pressure control knob;
	 Setting valve faulty pressure; Breakdown of motor electric control box; The product is solidified inside the pump; 	 Verify and replace it, if necessary; Verify and replace it, if necessary; Open the drain valve to release pressure in the circuit and stop the machine. Remove the compression valve and clean it;
The equipment does not suck the product	 Suction filter clogged; Suction filter too fine; 	 Clean or replace it; Replace it with a larger-mesh filter (with very dense products, remove the filter); Check the suction pipe;
The equipment suck but does not reach the pressure desired	 The equipment sucks air; Lack of product; The equipment sucks air; The drain valve is open; Suction or delivery valve dirty; 	 Add the product; Check the suction pipe; Close the drain valve; Disassemble the colour body group;
When pressing the trigger, the pressure lowers considerably	 Nozzle too big or worn; The product is too dense; The filter of the gun-butt is too fine; 	 Replace it with a smaller one; Dilute the product, if possible; Replace it with a larger-mesh filter;
The pressure is normal but the product is not atomized. Leakage from the seal-tightening screw	 The nozzle is partially clogged; The product is too dense; The filter of the gun-butt is too fine; 	 Clean or replace it; Dilute the product, if possible; Replace it with a larger-mesh filter;
The atomization is imperfect	The nozzle is worn;	Replace it;



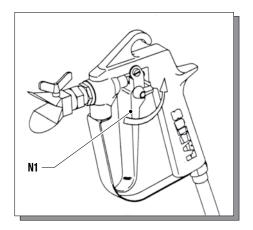
Always close the air compressed supply and unload the plant pressure before performing any check or replacement of pump parts (see "correct procedure of decompression").

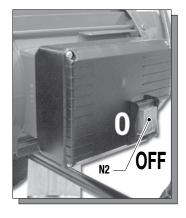




N CORRECT PROCEDURE OF DECOMPRESSION

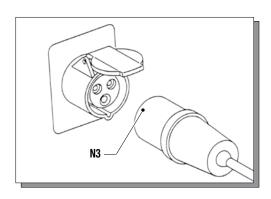
- Insert the gun clamp (N1).
- Move the ON/OFF switch (N2) to the OFF position (0) to stop the equipment.

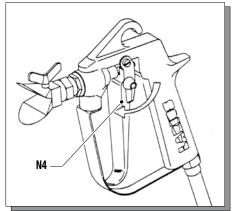




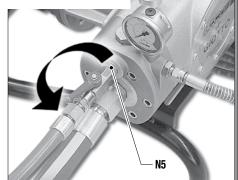


Disconnect the power supply cable (N3).





- Release the gun clamp (N4). Point the gun at the tank of the product and press the trigger to release pressure. At the end of the operation, insert the gun clamp.
- Open the re-circulation valve (N5) to release residual pressure.





WARNING

If the equipment is still under pressure after performing the operations above described because of the nozzle or the flexible hose clogged, proceed as follows:

- Loosen very slowly the gun nozzle.
- Release the clamp.
- Point the gun at the container of the product and press the trigger to release pressure.
- Loosen very slowly the fitting of connection from the flexible hose to the gun.
- Clean or replace the flexible hose and the nozzle.



O FLYWHEEL DISASSEMBLING

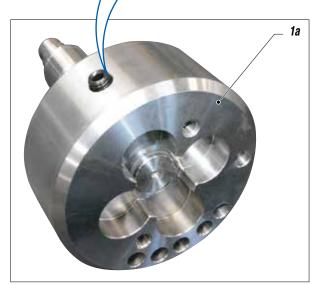




Procedure

The flywheel **(1a)** is equipped with 2 dowels **(1b)** to be removed as indicated below





1.1 Insert the hex key (1c) into the hole (1d).

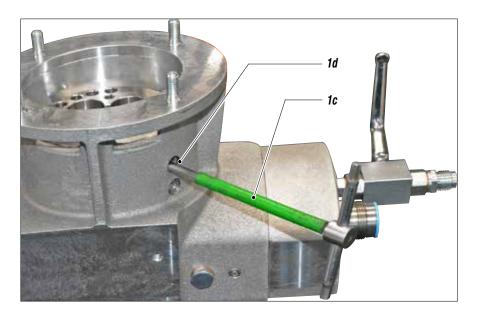


Fig. 10





Necessary tools and equipment



<u>Procedure</u>

2.1 Remove the two dowels (2a) and (2b) as shown in figure.

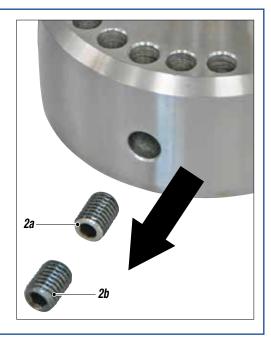


Fig. 20

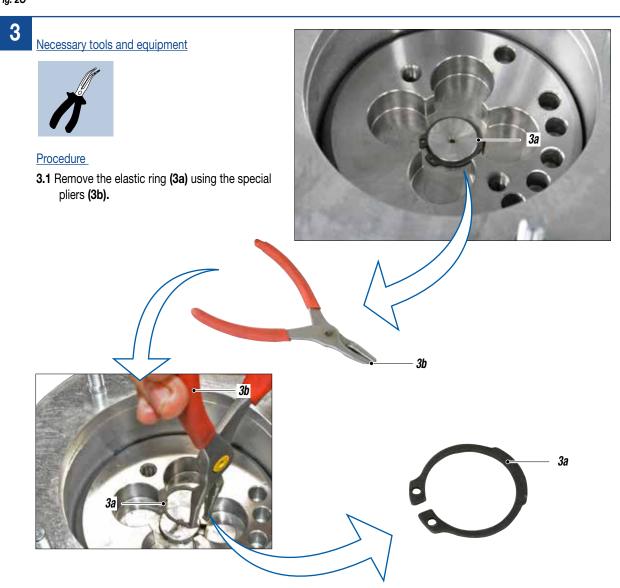


Fig. 30

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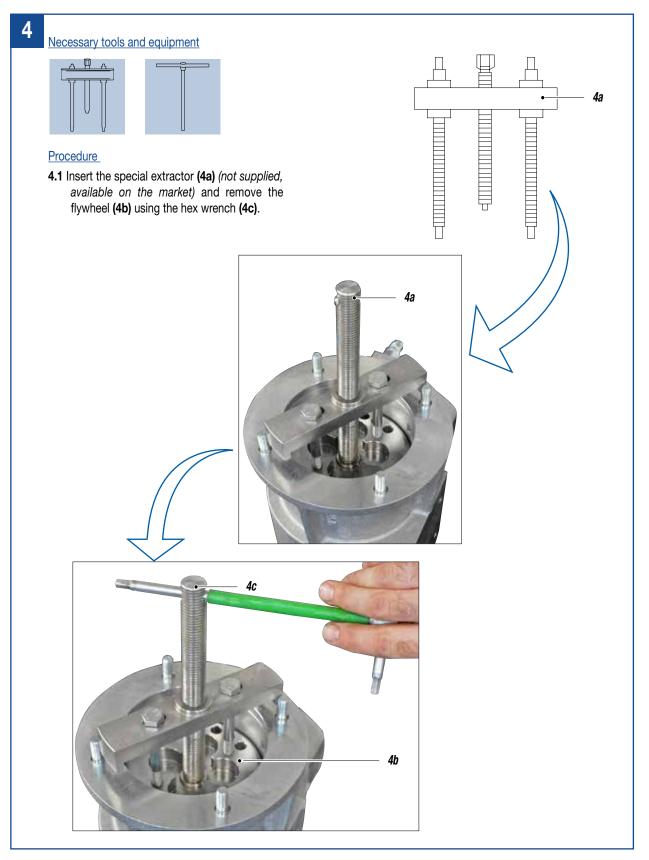
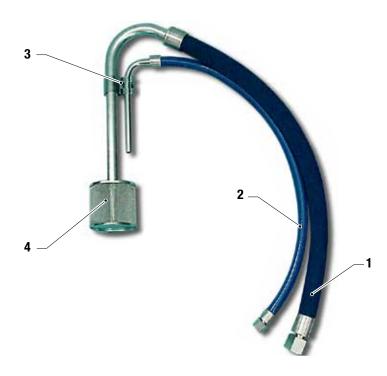


Fig. 40





P SUCTION SYSTEMS



Pos.	Code	Description
-	85009	Suction systems
1	85010	Suction tube
2	16609	Recirculation tube
3	18096	Spring
4	85012	Filter of suction
	16609	Recirculation tube Spring

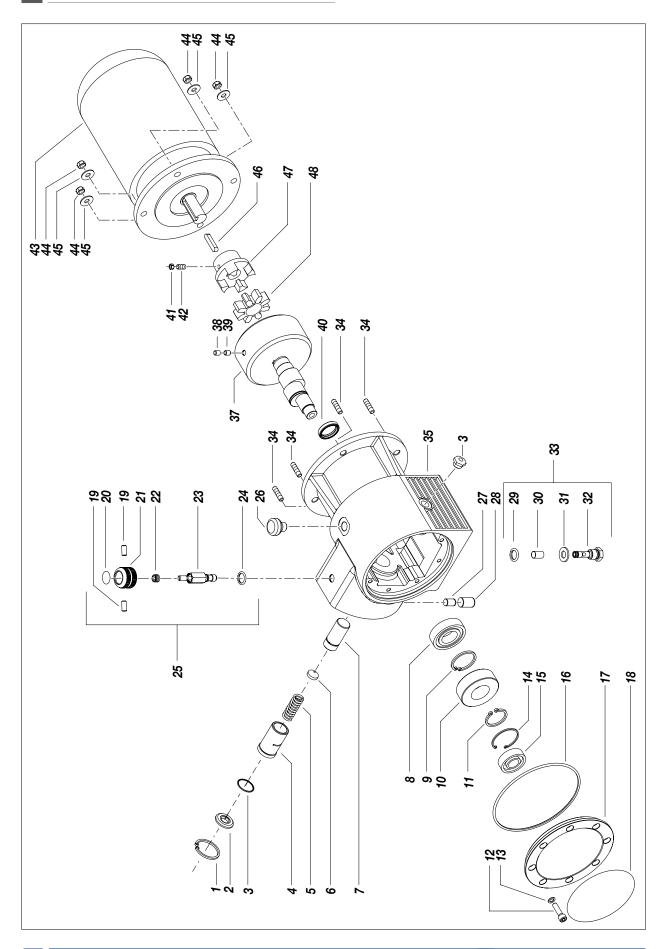
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Q COMPLETE HYDRAULIC BODY









Pos.	Code	Description	Q. ty	Pos.	Code	Description	Q. ty
1	82024	Elastic ring	1	26	32108	Plug	1
2	82023	Spring housing	1	27	18786	Dowel	1
3	82022	0-Ring	1	28	52019	Dowel	1
4	82017	Cylinder liner	1	29	32012	0-Ring	1
5	82021	Spring	1	30	258	Filter	1
6	82019G	Spring pad	1	31	32010	Washer	1
7	12456	Hydraulic piston	1	32	12461	Oil filter body	1
8	31125	Bearing	1	33	12475	Oil filter screw	1
9	81020	Elastic ring	1	34	81012	Spline	4
10	12457	Bearing	1	35	12455	Hydraulic support	1
11	12467	Elastic ring	1	36	32007	Oil level plug	1
12	901568	Screw	1	37		Flywheel assembly	1
13	12462	PTFE Washer	1	38	12490	Dowel	1
14	12466	Elastic ring	1	39		Dowel	1
15	12465	Bearing	1	40	31128	Gas-ring	1
16	12464	0-Ring	1	41	3637	Nut	1
17	12459	Cover	1	42	81019	Dowel	1
18	12463	Label	1		81001	Electric motor 230V 50HZ	1
19	32017/1C	Dowel	2	43	81002	Electric motor 400V 50Hz three-phase	1
20	16308	Label	1		81003	Electric motor 115V 60HZ	1
21	320171	Knob	1	44	95158	Nut	4
22	32017/2	Spring	1	45	81033	Washer	4
23	32155	Valve body	1	46	81014	Key	1
24	32014	0-Ring	1	47	12460	Half-joint	1
25	32150	Pressure regulation	1	48	81038	Shock absorber	1

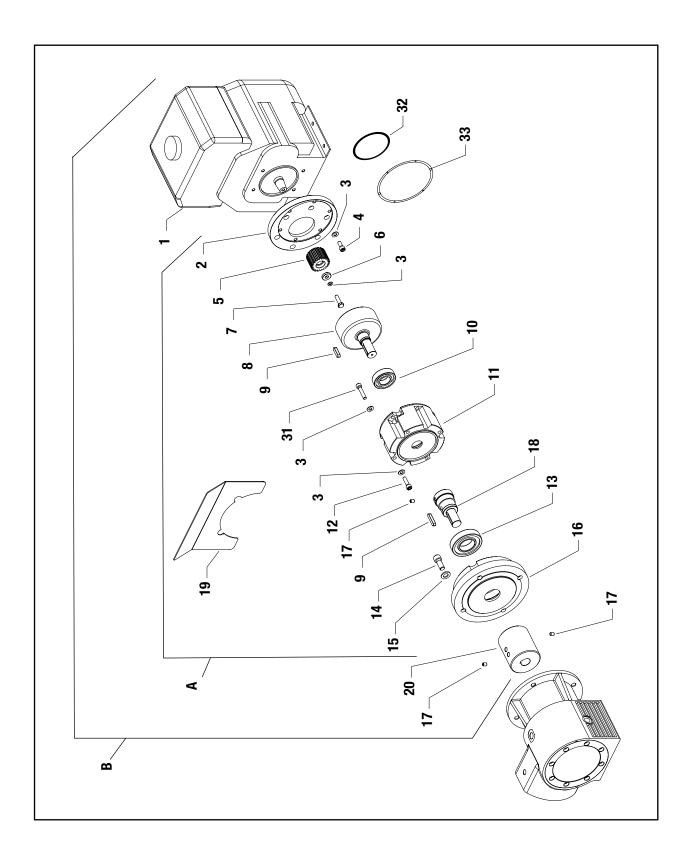
SPARE SUPPLIED COMPLETE (RECOMMENDED) COD. 12488

Pos.	Description
4	Cylinder liner
8	Bearing
9	Elastic ring
35	Hydraulic support



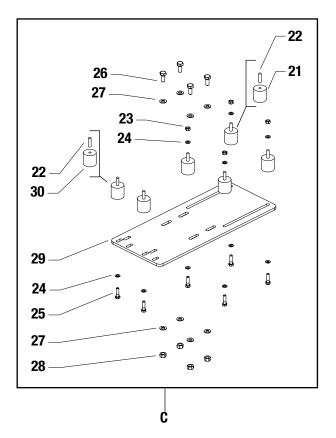


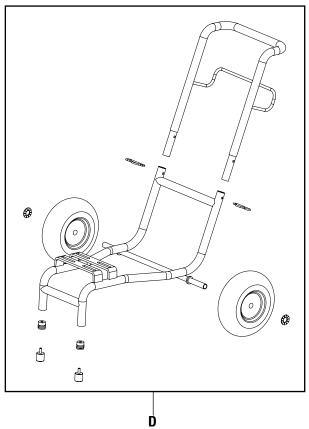
R GIOTTO PETROL – GIOTTO LINER



20 www.larius.com ED. 11 - 09/2020 - Cod. 150159





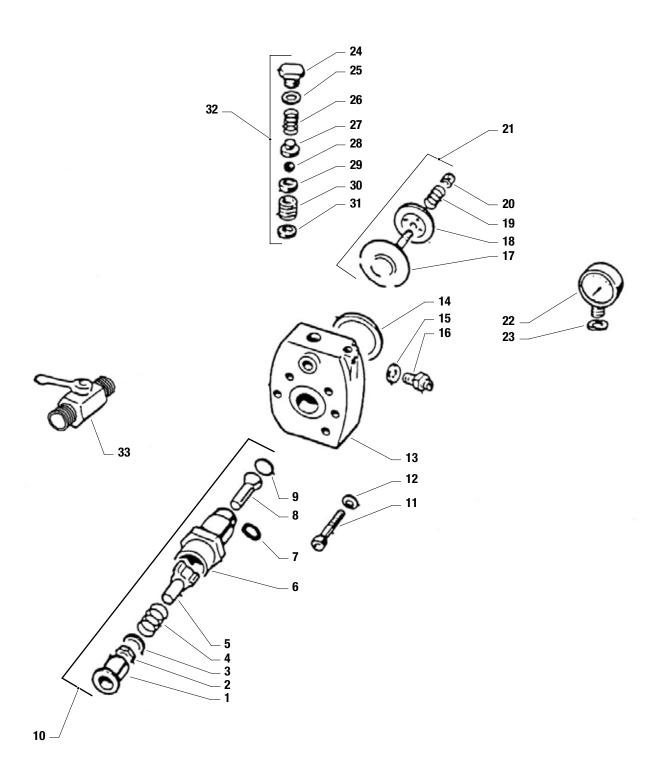


Pos.	Code	Description	Pos.	Code	Description
Α	18260	Complete gearbox - petrol mem-	15	95114	Washer
		brane version	16	18268	Hydraulic flange
B+C+D	18342	Complete gearbox kit - Giotto	17	81009	Dowel
		petrol version with trolley	18	18269	Reduction
B+C	18346	Complete Giotto liner kit	19	18264	Plating guard
1	4415	Motor	20	18258	Ball seat
2	18261	Flange motor	21	81107	Vibration damper
3	34009	Washer	22	18942	Threaded pin
4	96031	Screw	23	52017	Nut
5	18262	Pinion	24	32024	Washer
6	18263	Washer	25	34008	Screw
7	8385	Screw	26	95156	Screw
8	18265	Toothed bell	27	81033	Washer
9	18919	Tab	28	95158	Nut
10	42255	Bearing	29	18254	Fixing plate
11	18266	Gearbox cone	30	700711	Vibration damper
12	34008	Screw	31	7059	Screw
13	18267	Bearing	32	18282	Motor gasket
14	18344	Screw	33	18283	Gearbox gasket





S COMPLETE COLOUR BODY



22 www.larius.com







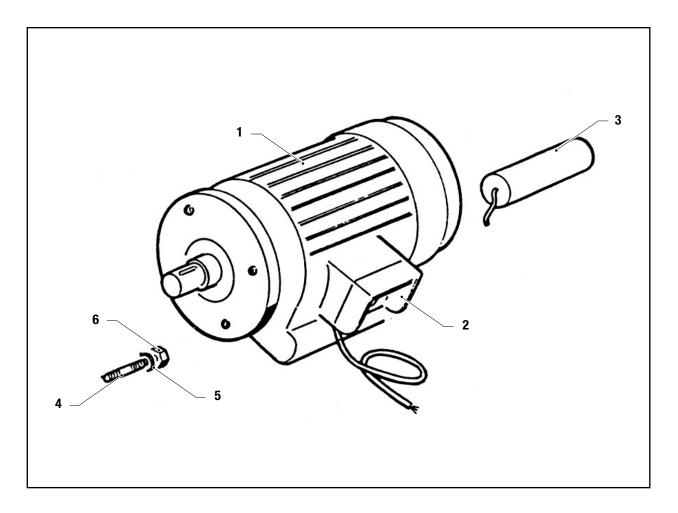
Pos.	Code	Description	Pos.	Code	Description
-	83000	Complete colour body	17	83002/1	Diaphragm
1	96099	Cylinder liner	18	83002/2	Oil distributor
2	33024	Self-tightening nut	19	83002/3	Spring
3	33023	Washer	20	83002/4	Sealing block
4	53006/1	Spring	21	83002	Complete diaphragm
5	33021	Shutter guide	22	33008	Manometer
6	33020	Suction valve body	23	33009	Washer
7	33020/1	Ball seat	24	33032	Plug
8	33019	Conical shutter	25	33031	Gasket
9	33018	PTFE Gasket	26	53006	Spring
10	33017	Complete suction valve		33029	Spring seat
11	83004	Screw	28	33028	Ball
12	33005	Washer	29	33027/2	Union for ball seat
13	83001	Colour body fusion	30	33027/1	Ball seat
14	83003	Diaphragm insert	 31	33026	Gasket
15	33007	Washer	32	83033	Complete valve exhaust
16	33006	Feed tube union	33	33013/2	Cock





T MOTOR

ELECTRIC MOTOR

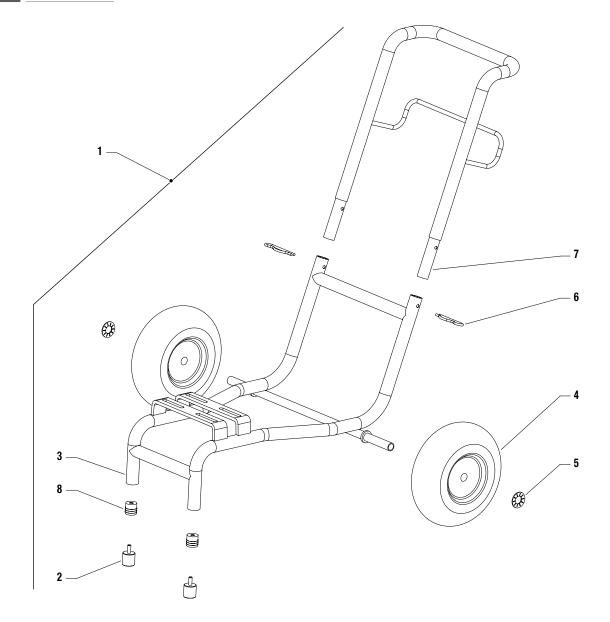


Pos.	Code	Description
1	81001	Electric motor 230V 50HZ
1	81002	Electric motor 400V 50Hz three-phase
1	81003	Electric motor 115V 60Hz
2	86003	Electic box
3	86001	Condenser
4	81012	Stud bolt
5	81033	Washer
6	95158	Nut





U TROLLEY



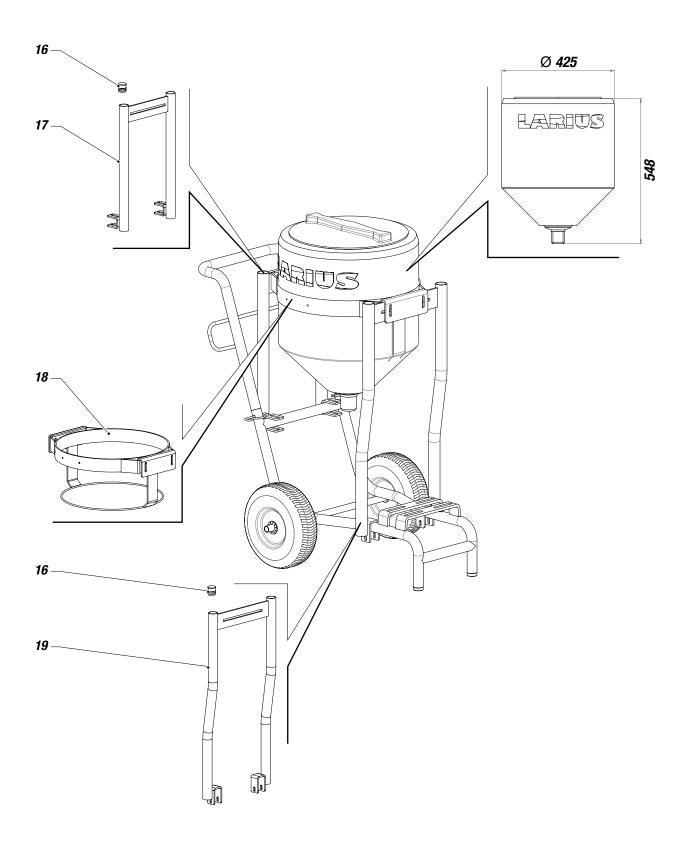
Pos.	Code	Description
1	12355	Trolley assembly
2	12454	Foot
3	12710	Trolley base
4	37218	Pneumatic wheel
5	91047	Elastic washer
6	84007	Split pin
7	12711	Trolley handle
8	12473	Plug

www.larius.com **25** ED. 11 - 09/2020 - Cod. 150159



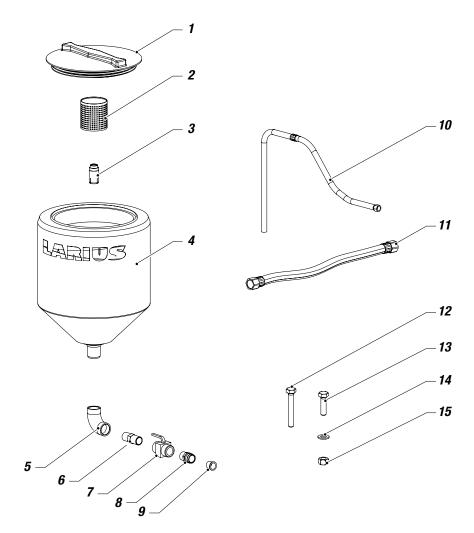


V GRAVITY HOPPER 50L GIOTTO REF. 18240



26 www.larius.com ED. 11 - 09/2020 - Cod. 150159





Pos.	Code	Description	Pos.	Code	Description
1	18249/1	Cover	11	18223	Suction tube
2	85012	Filter	12	37406	Screw
3	18231	Gun extension filter	13	901568	Screw
4	18249	Gravity hopper 50 L	14	32024	Washer
5	20833	Elbow	15	52017	Nut
6	20817	Junction	16	37142	Plug
7	20825	Cock	17	18247	Short support
8	96098	Junction	18	18246	Basket
9	96099	Gas-ring	19	18248	Long support
10	18224	Recirculation tube			

www.larius.com 27 ED. 11 - 09/2020 - Cod. 150159





W ACCESSORIES





Code 270: FILTER 100 MESH Code 271: FILTER 60 MESH



PISTON GUNSTOCK FILTERS Code 11039: Green (30M) - Code 11038: White (60M) Code 11037: Yellow (100M) - Code 11019: Red (200M)



Code 147: HIGH PRESSURE GAUGE M16x1,5 Code 150: HIGH PRESSURE GAUGE GJ 1/4"



Code 85014: FILTER 40 MESH - Code 85012: FILTER 20 MESH Code 37215: FILTER 40 MESH inox - Code 37216: FILTER 20 MESH inox



MANUAL GUN LX-T Code 14310: NOZZLE 4 mm Code 14311: NOZZLE 6 mm Code 14312: NOZZLE 8 mm



Code 217550: MX 750 - Code 217560: MX 1000 E - Code 217570: MX 1100 E



Code 18241: GRAVITY HOPPER 50 lt







HIGH PRESSURE HOSE 3/8" - M16x1,5 max pressure 425 bar

Code 18063: 7,5 mt Code 18064: 10 mt Code 18065: 15 mt



ANTISTATIC HOSE 3/16" - M16x1,5 max pressure 210 bar

Code 6164: 5 mt Code 55050: 7,5 mt Code 35018: 10 mt



ANTIPULSATIONS 1/4" - M16x1,5 max pressure 250 bar

Code 35013: 5 mt Code 35014: 7,5 mt Code 35017: 10 mt Code 18026: 15 mt



SFC07-20	SFC19-60	SFC29-80
SFC07-40	SFC21-20	SFC31-40
SFC09-20	SFC21-40	SFC31-60
SFC09-40	SFC21-60	SFC31-80
SFC11-20	SFC23-20	SFC33-40
SFC11-40	SFC23-40	SFC33-60
SFC13-20	SFC23-60	SFC33-80
SFC13-40	SFC25-20	SFC39-40
SFC13-60	SFC25-40	SFC39-60
SFC15-20	SFC25-60	SFC39-80
SFC15-40	SFC27-20	SFC43-40
SFC15-60	SFC27-40	SFC43-60
SFC17-20	SFC27-60	SFC43-80
SFC17-40	SFC27-80	SFC51-40
SFC17-60	SFC29-20	SFC51-60
SFC19-20	SFC29-40	SFC51-80
SFC19-40	SFC29-60	



Code 18270: SUPER FAST-CLEAN base UE 11/16x16







GUN EXTENSION Art. 153: cm 30 -Art. 153: cm 40

Art. 155: cm 60 - Art. 158: cm 80 - Art. 156: cm 100



PLA 1/4" + BASE SUPER

FAST-CLEAN

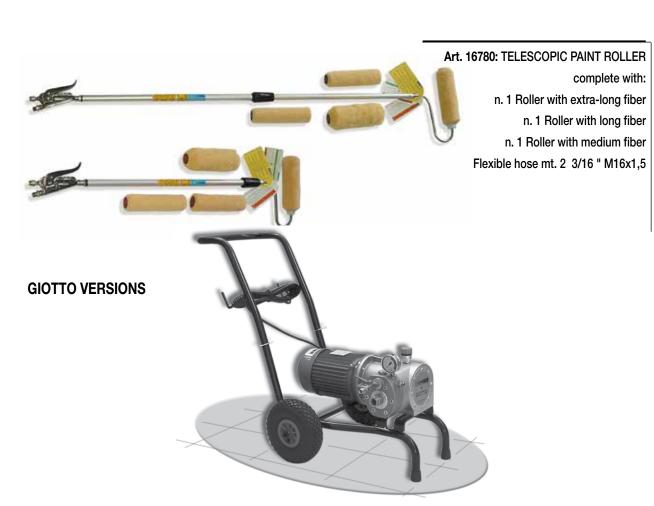
Art. K11420-K11425-K11430: cm 130-180-240

PLA M16x1,5

+ BASE SUPER

FAST-CLEAN

Art. K11421-K11426-K11431: cm 130-180-240



VERSION WITHOUT ACCESSORIES

Rif. 12450: 220V / 50 Hz

Rif. 12451: 380V / 50 Hz

Rif. 12452: 110V / 60 Hz

Rif. 12453: Petrol

Rif. 12484: Diesel

VERSION WITH ACCESSORIES

Rif. 12480: 220V / 50 Hz

Rif. 12481: 380V / 50 Hz

Rif. 12482: 110V / 60 Hz

Rif. 12483: Petrol

Rif. 12485: Diesel







AIRLESS DIAPHGRAGM PUMPS







www.larius.com 31 ED. 11 - 09/2020 - Cod. 150159

Intentionally blank bags







CE DECLARATION OF CONFORMITY



Company



LARIUS sri

Via Antonio Stoppani 21 - 23801 Calolziocorte (LC) ITALY

Tel: +39 0341 621152 Fax: +39 0341 621243

E-mail: larius@larius.com

Declares under his owns resonsibility that the product:

GIOTTO

Electric diaphragm pump

complies with the directives:

- EC Directive 2006/42 Machinery Directive
- EU Directive 2014/30 Electromagnetic Compatibility (EMC)
- EU Directive 2014/35 Low Voltage (LVD)

furthermore to the harmonized standards:

- UNI EN ISO 12100-1/-2

Machinery safety, basic concepts, general principles of design. Basic terminology, methodology. Technical principles.

This declaration relates exclusevely to the product in the state in which it was placed on the market, and excludes components or modifications which are added or carried out subsequently by end user.

Signature

Calolziocorte, 01 September 2020 Location / Date

Pierangelo Castagna Managing Director



LARIUS srl

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