

LARIUS®

Transfer - Extrusion - Injection pumps - Paint spraying equipment
Manufacturer in Italy since 1969



Larius Industrial Technology Solutions

The best solution for each individual application

www.larius.eu

AIRLESS TECHNOLOGY

Superior performance and resistance



*Main applicable products

Maximum pressure produced up to 480 bar

- Water and solvent-based paints
- Natural paints
- Epoxy paints
- Silicate paints
- Single and dual component paints
- Polyurethane paints
- Textured paints
- Dual component anti-corrosive products
- Products for tanneries
- Protective coatings
- Surface coatings
- Flame retardants
- Fillers
- Bitumens
- Undercoat paints
- Primers
- Fixatives
- Detergents and degreasers
- Emulsions
- Galvanized
- Removers
- Latexes
- Enamels, Water paints, Lacquers
- Colourings, Emulsions, Acrylics

**Larius analyses the technical specifications sheet of the product to recommend the most suitable equipment for the required use.*

Possible applications

- Protective treatments
- Anti-corrosion painting
- Epoxy coatings
- internal coatings of basins, tanks, pipes, rolling stock, manholes...
- Leather and hide working
- Structural steelwork
- Paintwork:
 - agricultural and earthwork machinery
 - industrial vehicles (chassis-cabs, trucks, cement mixers, forklifts...)
 - heavy mechanics (beams, tanks, electricity masts, scaffolding...)
 - light mechanics (drums, extinguishers, shelving, electrical panels...)
- Cleaning and descaling surfaces



Airless equipment range Atex certified - Atex

MODEL	RATIO	AIR PRESSURE SUPPLY MAX.	SUPPLY PRODUCT	FLOW RATE L/M	C.C. CYCLE
Nova	45:1	Max. 7 bar	270 bar	14 l/m	230
	60:1	Max. 7 bar	360 bar	12 l/m	200
	68:1	Max. 7 bar	408 bar	11 l/m	180
Super Nova	45:1	Max. 7 bar	270 bar	14 l/m	230
	68:1	Max. 7 bar	408 bar	11 l/m	180
	80:1	Max. 7 bar	480 bar	9 l/m	139
Omega	23:1	Max. 7 bar	135 bar	14 l/m	230
	30:1	Max. 7 bar	180 bar	12 l/m	200
	34:1	Max. 7 bar	204 bar	11 l/m	200
Super Omega	23:1	Max. 7 bar	135 bar	14 l/m	230
	34:1	Max. 7 bar	204 bar	11 l/m	185
	40:1	Max. 7 bar	204 bar	9 l/m	139
Sirio	27:1	Max. 7 bar	189 bar	9,2 l/m	153
	*30:1	Max. 7 bar	210 bar	7,5 l/m	125
	32:1	Max. 7 bar	224 bar	8,2 l/m	137
*Plunger Piston	*45:1	Max. 7 bar	270 bar	5 l/m	83
Ghibli	30:1	Max. 8 bar	240 bar	4 l/m	60
	40:1	Max. 8 bar	320 bar	3 l/m	45
Vega	34:1	Max. 8 bar	230 bar	1,4 l/m	19
Ghibli Zinc	30:1	Max. 8 bar	240 bar	4 l/m	60
Omega Zinc	30:1	Max. 8 bar	180 bar	12 l/m	200
Super Omega Zinc	34:1	Max. 8 bar	204 bar	11 l/m	185
Super Nova Zinc	45:1	Max. 8 bar	270 bar	14 l/m	230



Airless painting Atomisation of the product takes place by making the product pass at a high pressure, greater than 120 bar, through a nozzle that is size calibrated.

The product reaches such a speed and force that the impact with the air mass causes its division into minute particles.

The pressure to be exerted is proportional to the flow required and the physical characteristics of the product.

The shape of the jet is determined by the shape of the nozzle. The size of the nozzle must be changed to alter the flow rate and the spray pattern.

The airless paint jet is directional and not subject to turbulence.

The vast range of equipment satisfies every need, determined by the type of material, the flow required and the degree of finishing desired.

A complete range of accessories, kits and professional spare parts guarantee maximum equipment performance, ensure its correct operation and greater safety in use.

The pumps can be supplied in various configurations: fixed to a trolley, wall bracket or directly on the container in order to allow rapid maintenance and practical use.

- Better paint transfer onto the product
- No overspray
- Better atomisation quality
- Uniform jet spraying
- Quick application
- Material savings
- Anti-frost motor Nova - Omega series
- High flow capacity
- Sturdy structure, easy to handle and compact
- Allows you to work even in the smallest areas
- Automatic stop and start:
the pump stops automatically if the valve is closed on the supply line and it restarts when this valve is opened.
- Flow capacity adjustment:
acting on the air supply valve and using an RFL unit equipped with a pressure gauge the flow capacity is adjusted more accurately.
- Adjusting the air supply pressure
the air supply pressure is adjusted acting manually on the FLR unit pressure reducer. Operating with an air supply pressure no greater than 8 bar much higher pressures can be achieved thanks to the air motor's compression ratio.

