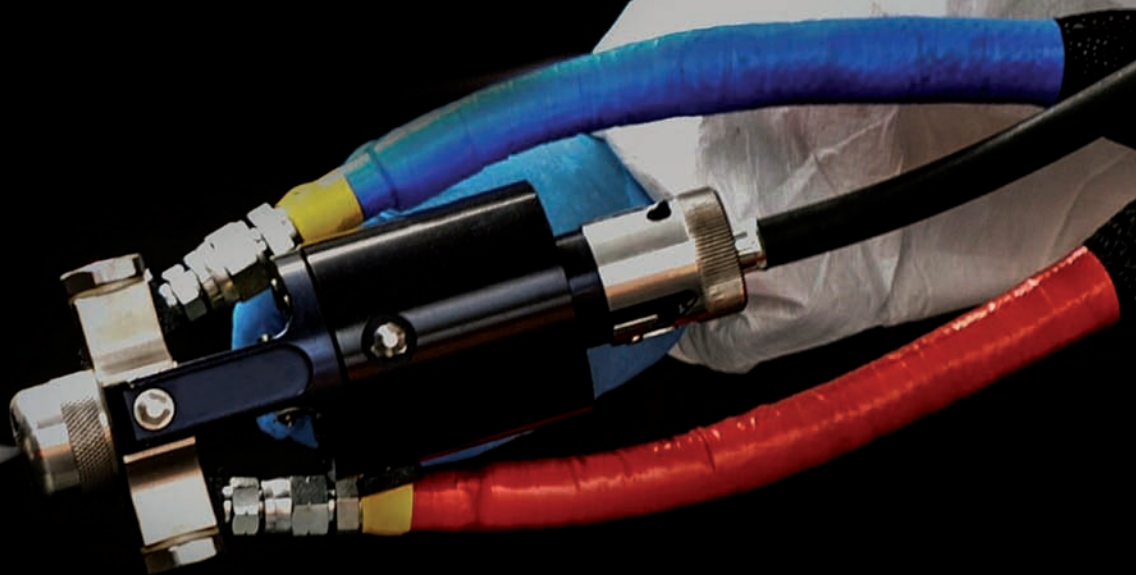


# ***GAMA SPRAY EQUIPMENT***

*Designed with the customer in mind*



**GAMA SPRAY EQUIPMENT**  
POLYURETHANE FOAM, COATINGS AND POLYUREAS

**GAMA**





# WHO WE ARE

Located in Sitges, Barcelona (Spain), GAMA focuses its main activity on the design, manufacturing and sales of two component spray and pouring equipment for the application of polyurethane foams, coatings and polyurea.

***GAMA PROPORTIONERS REPRESENT  
THE BEST AND MOST EFFICIENT PARTNER  
FOR HIGH QUALITY APPLICATIONS***

In GAMA, we are totally aware that the design, manufacturing and launching of new equipment demands experience, creativity and innovative target engineering. The product development team of GAMA is highly specialized in equipment design gathering more than twenty years of experience in the design of high performance two component spray and pouring equipment. The Gama team is a group of professionals, committed with the quality and constant innovation, to consolidate a solid and dynamic project addressed to companies worldwide that require high technology, proven quality and reliable service while maintaining the flexibility and capability to adapt to the constant market changes.

***DISTRIBUTORS WORLD WIDE***





# MACHINE PRODUCT LINE

The evolution series of exclusive design is the result of an ambitious improvement process based on the experience and knowledge of the market's highest demands that has allowed the incorporation of important technical improvements that give the new units a reliable, high performance and maintenance friendly platform.



## EASY SPRAY AIR

### COMPACT & EASY

*Easy Spray*, of an advanced and compact design, is an easy-to-use, portable air driven unit. Its unique configuration - the product tanks are placed on a chassis with wheels - provides easy access to all types of working areas as well as an outstanding mobility. The electrical console has only one control switch that allows an easy operation with no need of qualified personnel, and a saving of time during the set up and application.

#### Technical Specifications

Maximum Output: 4 Kg/min - 9 lb/min

Maximum Rated Pressure: 100 kgf/cm<sup>2</sup> (9.8 MPa) - 1430 psi  
200 kgf/cm<sup>2</sup> (19.7 MPa) (EASY HP) - 2480 psi

Heating Power: 3,6 Kw      Standard Hose Length: 10 m

Electrical Connection: 16 amps @ 1x400V + N @ 2x230V

Air Consumption (6bar): 355 l/min  
705 l/min (EASY HP)

Weight: 80 Kg      Dimensions: 1000 mm x 610 mm x 700 mm



## EASY SPRAY HYDRAULIC

### PORTABLE & POWERFUL

*Hydraulic Easy Spray*. This unique unit incorporates all the easy to use and portability features of the air driven Easy Spray plus the reliability and power of a hydraulic unit. Constant pressures and perfect mix on a small portable unit.



#### Recirculation

Max. Output: 4Kg/min - 9 lb/min

Max. Pressure: 175Kg/cm<sup>2</sup> - 2489psi

Electrical Connection: 2 phases of 230V / 1 phase of 400V + neutral

Power Line 1: 1,8Kw (motor)  
Power Line 2: 3,6Kw (heaters)

Consumption Line 1: 12 A  
Consumption Line 2: 16 A

Standard Hose Length: 10 m

Weight: 165 Kg - 363 lb  
Dimensions.: 1165 x 605 x 744 mm

#### Heated Hoses 230V

Power Line 1: 3,3Kw (motor+hoses)  
Power Line 2: 3,6Kw (heaters)

Consumption Line 1: 16 A  
Consumption Line 1: 16 A  
Max. heated hose: 15 m

#### Hose Heating with Transformer

Power Line 1: 1,8Kw (motor)  
Power Line 2: 3,6Kw (heaters)  
Power Line 3: 2Kw (hoses trans.)

Consumption Line 1: 12 A  
Consumption Line 2: 16 A  
Consumption Line 3: 10 A  
Max. heated hose: 48 m

## EVOLUTION G-125A

### COMPACT & EFFICIENT

The new *Evolution G-125A* air driven proportioning unit is of an advanced and compact design. It is specially aimed for the applications of polyurethane foam in place. Its open design allows easy access to all its components simplifying the control functions and significantly reduces maintenance time.

#### Technical Specifications

Max. Output: G-125A 9kg/min - 20 lb/min - G-200A 4kg/min - 9 lb/min

Max. Rated Pressure: G-125A 125 kgf/cm<sup>2</sup> (12,3 MPa) 1780 psi  
G-200A 200 kgf/cm<sup>2</sup> (19,7 MPa) 2840 psi

Heating Power: G-125A 10 Kw - G-200A 12 Kw

Hose Heating Power: 3 Kw

Electrical Connection: 22-26 A - 3X400+N V 50/60 Hz  
43-52 A - 3X230V 50/60 Hz  
58-67 A - 1X400+N V 50/60 Hz

Air Consumption (6bar): 705 l/min

Weight: 125 kg      Dimensions: 1055 mm x 540 mm x 550 mm



## EVOLUTION G-30H

### PERFECT CHOICE

The new *Evolution G-30H* hydraulically driven proportioning unit has been designed and manufactured to fulfill the most demanding requirements of foam and coatings in place applications of two component systems requiring high dosing precision to assure the best mixing quality of the chemical components. Its open design allows easy access to all its components simplifying the control functions and significantly reduces maintenance time.

#### Technical Specifications

Max. Output (with pumps 1.2): 11 Kg/min - 24 lb/min  
Max. Output (with pumps 0.8): 7 Kg/min - 15,4 lb/min

Max. Pressure (with pumps 1.2): 140 kgf/cm<sup>2</sup> (13,7 MPa) 2000 psi  
Max. Pressure (with pumps 0.8): 240 kgf/cm<sup>2</sup> (23,5 MPa) 3500 psi

Heating Power: 12 Kw      Hose Heating Power: 3 Kw

Electrical Connection: 35.9 A - 3x400V

Weight: 272 kg - 598 lb      Dimensions: 1200 mm x 900 mm x 700 mm





## EVOLUTION G-50H

### THE MOST POWERFUL

The new *Evolution G-50H* has been developed to fulfill the needs of customers who work on big projects where high outputs, constant pressures and temperatures are required to maintain high productivity levels on foam and coatings applications. Its open design allows easy access to all its components simplifying the control functions and significantly reduces maintenance time.

#### Technical Specifications

Maximum Output: 26 kg/min @ 110 bar pressure  
20 kg/min @ 140 bar pressure  
12 kg/min @ 240 bar pressure

Heating Power: 18 Kw

Hose Heating Power: 4 Kw

Electrical Connection: 56 A - 3x400V 50/60 Hz

Weight: 282 Kg      Dimensions: 1200 mm x 900 mm x 700 mm



## EVOLUTION VR

### AUTOMATIC VARIABLE RATIO

The new *Evolution VR* hydraulically driven proportioning unit has been designed and manufactured for the application of Polyurea, Polyurethane Foam and other two-component systems requiring precise control over temperature, pressure and mixing ratio.

#### Technical Specifications

Maximum Output: 15 kg/min - 33 lb/min

Minimum Output: 1 kg/min - 2,2 lb/min  
(Other options available)

Maximum Rated Pressure: 300 kgf/cm<sup>2</sup> (29,4 MPa) 4300 psi

Heating Power: 15 (18) Kw      Hose Heating Power: 8 Kw

Electrical Connection: 66-70 A - 3x400V 50/60 Hz  
115-122 A - 3x230V 50/60 Hz

Weight: 500 Kg      Dimensions: 1250 mm x 1110 mm x 1200 mm



# ***GUN PRODUCT LINE***

The evolution series of exclusive designs are the result of an ambitious improvement process based on the experience and knowledge of the market's highest demands that has allowed the incorporation of important technical improvements that give the new units a reliable, high performance and maintenance friendly platform.





## MASTER I

### AIR PURGE

**MASTER I** Air purge spray gun has been designed and manufactured to reduce operator effort and facilitate application control. With this aim, a new ergonomic gun handle has been developed and placed at the center of balance to equalize weight distribution and provide enhanced stability during the application.

#### Technical Specifications

Maximum working pressure: 210 Kg/cm<sup>2</sup> (20.6 MPa) / 3000 psi

Air pressure required: 6-8 Kg/cm<sup>2</sup> (0.6-0.8 MPa) / 85-114 psi

Maximum production ratio 1:1: 18 Kg/min / 40 lb/min

Minimum production ratio 1:1: 1.5 Kg/min / 3.3 lb/min



## MASTER II

### AIR PURGE

**MASTER II** Air purge spray gun has been designed to offer the operator a very intuitive and easy handling. The main block can be disassembled by hand for quick access to the mixing chamber, and the seals, filters and check-valves are in the same place for easy handling.

#### Technical Specifications

Maximum working pressure: 246 Kg/cm<sup>2</sup> (24 MPa) / 3500 psi

Air pressure required: 6-8 Kg/cm<sup>2</sup> (0.6-0.8 MPa) / 85-114 psi

Maximum production ratio 1:1: 18 Kg/min / 40 lb/min

Minimum production ratio 1:1: 1.5 Kg/min / 3.3 lb/min

## MASTER III

### AIR PURGE

The New **MASTER III** Air purge gun has been developed for customers who require an alternative concept design to our other air purge guns maintaining the Gama concept of easy handling and maintenance.

#### Technical Specifications

Maximum working pressure: 246 Kg/cm<sup>2</sup> (24 MPa) / 3500 psi

Air pressure required: 6-8 Kg/cm<sup>2</sup> (0.6-0.8 MPa) / 85-114 psi

Maximum production ratio 1:1: 18 Kg/min / 40 lb/min

Minimum production ratio 1:1: 1.5 Kg/min / 3.3 lb/min



## GDI

### MECHANICAL PURGE

The new **G-DI** Mechanical self-cleaning spray gun has been designed to offer the best mixing quality on the market when it comes to the application of polyurethane foam, elastomeric coatings and polyurea. Its unique high & low output configurations offer the possibility to work with a wide range of flows with only one gun. The GDI gun is light, perfectly balanced and easy to maintain.

#### Technical Specifications

Maximum working temperature: 90 °C / 194 °F

Maximum working pressure: 270 Kg/cm<sup>2</sup> (26.5 MPa) / 3840 psi

Air pressure required: 7 Kg/cm<sup>2</sup> (0.8 MPa) / 100 psi

Maximum production ratio 1:1: 18 Kg/min / 44 lb/min

Minimum production ratio 1:1: 0.5 Kg/min / 1.1 lb/min

# SPARE PARTS & ACCESSORIES

## Spare Parts, Hoses and Transfer Pumps

GAMA parts and accessories like Hoses and Transfer Pumps have been designed and manufactured with the same rigor, quality and attention to detail as the units to support the most demanding application conditions.

### I GAMA HEATED HOSE

GAMA hoses incorporate an innovative concept of heating in which the copper resistance element is homogeneously spread around the hose. This allows accurate and uniform control of the application temperature of the products avoiding heat concentrations that are produced in traditionally manufactured hoses.



### I GAMA TRANSFER PUMP

The GAMA 2:1 pump is a stainless steel air driven double effect piston pump used for moving the chemicals with a maximum viscosity of 2,000 mPas from the drums to the unit.







## **GAMA SPRAY EQUIPMENT**

**POLYURETHANE FOAM,  
COATINGS AND POLYUREAS**

*Designed with the customer in mind*

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