



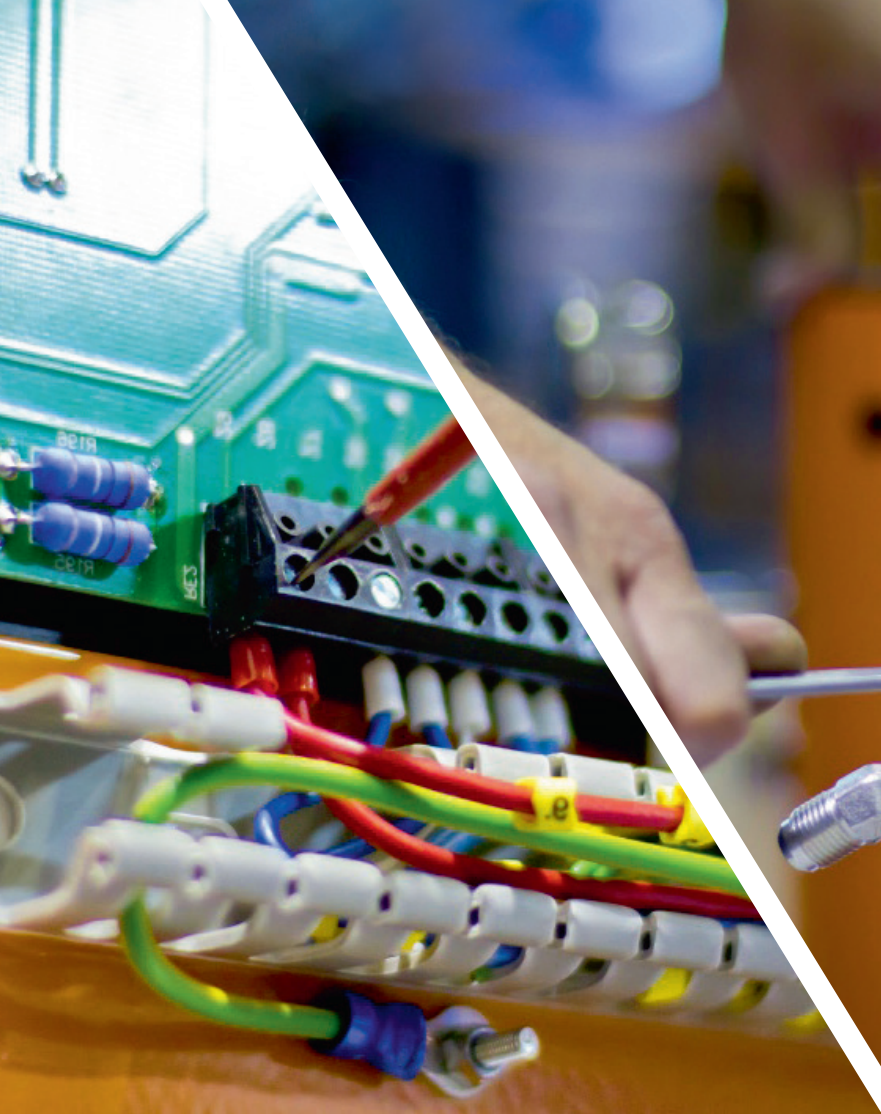
GAMA SPRAY EQUIPMENT

Designed with the customer in mind



GAMA SPRAY EQUIPMENT

POLYURETHANE FOAM, COATINGS AND POLYUREAS





GAMA SPRAY EQUIPMENT

WHO WE ARE

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

HI-TECH PROPORTIONERS REPRESENT THE BEST AND MOST EFFICIENT PARTNER FOR HIGH QUALITY APPLICATIONS

In HI-TECH, 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 brand 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 HI-TECH 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 & GUN 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.



AIR DRIVEN PROPORTIONING UNITS

EASY SPRAY PNEUMATIC

COMPACT & EASY

Easy Spray Pneumatic, 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

MAX. OUTPUT: 4 kg/min

MAX. PRESSURE STANDARD LP: 100 bar

MAX. PRESSURE ALTERNATIVE HP: 200 bar

ELECTRICAL CONNECTION OPTIONS: 1NPE 230 V 50/60 Hz
2PE 230 V 50/60 Hz

HEATING POWER: 3,6 kW **MACHINE CONSUMPTION:** 16 A

OPTIONAL HEATING HOSES: 1,6 kW **TRANSFORMER CONSUMPTION:** 9 A

MAX. HOSES LENGTH: Recirculation hoses: 11 m
Hose transformer: 48 m

AIR CONSUMPTION LP: (6 bar) 550 l/min / 5,5 HP (recommended air compressor)

AIR CONSUMPTION HP: (6 bar) 750 l/min / 7,5 HP (recommended air compressor)

WEIGHT: 112 kg **MAX. TANK CAPACITY:** 30 l + 30 l

DIMENSIONS: 1000 mm x 610 mm x 700 mm



EVOLUTION G-125A

COMPACT & EFFICIENT

The **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: 9 kg/min

MAX. PRESSURE: 125 bar

ELECTRICAL CONNECTION OPTIONS: 1NPE 230 V 50/60 Hz
2PE 230 V 50/60 Hz
3NPE 400 V 50/60 Hz

HEATING POWER: 10 kW **HOSE HEATING:** 3 kW

MACHINE CONSUMPTION: 58 A / 43,5 A / 22 A

MAX. HOSES LENGTH: 93 m

AIR CONSUMPTION : (6 bar) 750 l/min / 7,5 HP (recommended air compressor)

WEIGHT: 120 kg

DIMENSIONS: 1055 mm x 540 mm x 550 mm



HYDRAULIC PROPORTIONING UNITS

EASY SPRAY HYDRAULIC SINGLE-PHASE

PORTABLE & POWERFUL

Easy Spray Hydraulic Single-Phase. 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.

TECHNICAL SPECIFICATIONS

MAX. OUTPUT: 4 kg/min

MAX. PRESSURE: 175 bar

ELECTRICAL CONNECTION: 1NPE 230 V 50 Hz
2PE 230 V 50 Hz

HEATING POWER: 3,6 kW **HOSE HEATING:** 1,6 kW (optional)
MOTOR POWER: 1,8 kW

MACHINE CONSUMPTION: Recirculation hoses: 12A + 16A - 2 plugs
230V heated hoses: 16A + 16A - 2 plugs
LV heated hoses: 12A + 16A + 9A - 3 plugs

MAX. HOSES LENGTH: Recirculation hoses: 11 m
230 V heated hoses: 20 m
LV heated hoses: 48 m (transformer trolley)

WEIGHT: 172 kg (without oil/product)

MAX. TANK CAPACITY: 30 l + 30 l

OIL CAPACITY: 18 l

DIMENSIONS: 1165 mm x 605 mm x 744 mm



EASY SPRAY HYDRAULIC THREE-PHASE

PORTABLE & EXTRA POWER

Easy Spray Hydraulic Three-Phase. Same versatility and easy to use like single-phase version but with the extra power of a three-phase motor to increase maximum output and pressure capabilities.

TECHNICAL SPECIFICATIONS

MAX. OUTPUT : 6 kg/min @ 190 bar (4.5 pumps)
9 kg/min @ 130 bar (7.5 pumps)

ELECTRICAL CONNECTION: 3PE 400 V 50/60 Hz

HEATING POWER: 3,6 kW **HOSE HEATING:** 3 kW
MOTOR POWER: 3 kW **MACHINE CONSUMPTION:** 19,1 A

MAX. HOSES LENGTH: 63 m

WEIGHT: 190 kg (without oil)

OIL CAPACITY: 18 l

DIMENSIONS: 1165 mm x 605 mm x 744 mm



EVOLUTION G-35H

ALL IN ONE

The **Evolution G-35H** hydraulic proportioning unit has been designed and manufactured to fulfil the most demanding requirements for the application of foam, polyurea and coatings with the same pump configuration. When you choose a G-35H, you are assuring enough output and pressure stability to spray the selected system in large areas with the same machine thanks to its all in one pump configuration. Its open design allows easy access to all its components simplifying control functions and reducing maintenance time.

TECHNICAL SPECIFICATIONS

MAX. OUTPUT (1.20 PUMPS): 15 kg/min @ 110 bar
9 kg/min @ 160 bar
7 kg/min @ 240 bar

ELECTRICAL CONNECTION: 3PE 400 V 50/60 Hz
3PE 230 V 50/60 Hz

HEATING POWER: 12 kW
MOTOR POWER: 4 kW
HOSE HEATING: 3 kW
MACHINE CONSUMPTION: 38,4 A / 66,6 A

MAX. HOSES LENGTH: 93 m (for foam)
78 m (for polyurea)

WEIGHT: 248 kg (without oil)
OIL CAPACITY: 63 l

DIMENSIONS: 1200 mm x 900 mm x 700 mm



EVOLUTION G-50H

THE MOST POWERFUL

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

TECHNICAL SPECIFICATIONS

MAX. OUTPUT (1.20 PUMPS): 22 kg/min @ 110 bar
17 kg/min @ 160 bar
12 kg/min @ 240 bar

ELECTRICAL CONNECTION: 3PE 400 V 50/60 Hz

HEATING POWER: 18 kW
MOTOR POWER: 5,5 kW
HOSE HEATING: 4 kW
MACHINE CONSUMPTION: 56 A

MAX. HOSES LENGTH: 93 m

WEIGHT: 285 kg (without oil)
OIL CAPACITY: 63 l

DIMENSIONS: 1200 mm x 900 mm x 700 mm



EVOLUTION VR

AUTOMATIC VARIABLE RATIO

The **Evolution VR** is equipped with a Central Processing Unit (CPU) that process and controls all application parameters entered on the screens assuring that any alteration that may occur will be corrected while the unit continues working. When the problem cannot be resolved within the established tolerance parameters

the CPU will stop the unit and display the type of failure occurred.

The VR unit also incorporates two flowmeters that measure the correct dosing of each component precisely.



TECHNICAL SPECIFICATIONS

MAX. OUTPUT: 15 kg/min

MIN. OUTPUT: 1 kg/min

MAX. PRESSURE: 270 bar

ELECTRICAL CONNECTION OPTIONS: 3PE 400 V 50/60 Hz

HEATING POWER: 18 kW

HOSE HEATING: 4 kW + 4 kW

MOTOR POWER: 3 kW + 3 kW

MACHINE CONSUMPTION: 54 A (Motor 3 kW + 3 kW)

4 kW + 4 kW

62 A (Motor 4 kW + 4 kW)

MAX. HOSES LENGTH: 93 m

WEIGHT: 450 kg (without oil)

OIL CAPACITY: 100 l

DIMENSIONS: 1250 mm x 1110 mm x 1200 mm

AIRLESS UNIT

GA-200

HYDRAULIC AIRLESS TECHNOLOGY

The new **GA-200** unit has been manufactured to fulfil the requirements of industrial painting when you need to spray professional textures in demanding applications. This hydraulic unit can be equipped with a petrol engine or electric motor to drive the piston








pump. These can be easily interchanged according to our smart concept design. The application of the Airless technology allows high pressure spraying through atomization of air-free paint without mixing the components.



TECHNICAL SPECIFICATIONS

	GASOLINE GA-200G	ELECTRIC GA-200E
MAX. OUTPUT:	6,4 l/min	5,7 l/min
MAX. WORKING PRESSURE:	228 bar	228 bar
MAX. SIZE PCD:	1 Gun - 0.043" / 2 Guns - 0.033"	1 Gun - 0.036" / 2 Guns - 0.026"
ENGINE:	Petrol 5,5 HP	3 HP (220 V - 50 Hz)
WEIGHT:	72 kg	66 kg
DIMENSIONS:	840 mm x 1200 mm x 1080 mm	840 mm x 1200 mm x 1080 mm

MACHINES TECHNICAL SPECIFICATIONS SUMMARY

MACHINES	MAX. OUTPUT	MAX. PRESSURE	ELECTRICAL CONNECTION OPTIONS	HEATING POWER	HOSE HEATING
	4 kg/min	Standard LP: 100 bar Alternative HP: 200 bar	1NPE 230 V 50/60 Hz 2PE 230 V 50/60 Hz	3,6 kW	1,6 kW (optional)
	9 kg/min	125 bar	1NPE 230 V 50/60 Hz 2PE 230 V 50/60 Hz 3NPE 400 V 50/60 Hz	10 kW	3 kW
	4 kg/min	175 bar	1NPE 230 V 50 Hz 2PE 230 V 50 Hz	3,6 kW	1,6 kW (optional)
	6 kg/min (4.5 pumps) 9 kg/min (7.5 pumps)	190 bar 130 bar	3PE 400 V 50/60 Hz	3,6 kW	3 kW
	15 kg/min 9 kg/min 7 kg/min (1.20 pumps)	110 bar 160 bar 240 bar	3PE 400 V 50/60 Hz 3PE 230 V 50/60 Hz	12 kW	3 kW
	22 kg/min 17 kg/min 12 kg/min (1.20 pumps)	110 bar 160 bar 240 bar	3PE 400 V 50/60 Hz	18 kW	4 kW
	15 kg/min 1 kg/min (min. output)	270 bar	3PE 400 V 50/60 Hz	18 kW	4 kW + 4 kW

MOTOR POWER	MACHINE CONSUMPTION	MAX. HOSES LENGTH	WEIGHT	CAPACITY	DIMENSIONS
	16 A	Recirculation hoses: 11 m Hose transformer: 48 m	112 kg	30 l + 30 l (tank)	H: 1000 mm A: 610 mm L: 700 mm
	58 A / 43,5 A / 22 A	93 m	120 kg		H: 1055 mm A: 540 mm L: 550 mm
1,8 kW	Recirculation hoses: 12A + 16A - 2 plus 230V heated hoses: 16A + 16A - 2 plugs LV heated hoses: 12A + 16A + 9A - 3 plugs	Recirculation hoses: 11 m 230V heated hoses: 20 m LV heated hoses: 48 m	172 kg (without oil)	30 l + 30 l (tank) 18 l (oil)	H: 1165 mm A: 605 mm L: 744 mm
3 kW	19,1 A	63 m	190 kg (without oil)	18 l	H: 1165 mm A: 605 mm L: 744 mm
4 kW	38,4 A / 66,6 A	93 m (for foam) 78 m (for polyurea)	248 kg (without oil)	63 l (oil)	H: 1200 mm A: 900 mm L: 700 mm
5,5 kW	56 A	93 m	285 kg (without oil)	63 l (oil)	H: 1200 mm A: 900 mm L: 700 mm
3 kW + 3 kW 4 kW + 4 kW	54 A (Motor 3 kW + 3 kW) 62 A (Motor 4 kW + 4 kW)	93 m	450 kg (without oil)	100 l (oil)	H: 1250 mm A: 1110 mm L: 1200 mm

SPRAY GUNS

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

MAX. WORKING PRESSURE: 210 bar

AIR PRESSURE REQUIRED: 6 - 8 bar

MAX. PRODUCTION RATIO 1:1: 18 kg/min

MIN. PRODUCTION RATIO 1:1: 1.5 kg/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

MAX. WORKING PRESSURE: 246 bar

AIR PRESSURE REQUIRED: 6 - 8 bar

MAX. PRODUCTION RATIO 1:1: 18 kg/min

MIN. PRODUCTION RATIO 1:1: 1.5 kg/min



MASTER III

AIR PURGE

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

MAX. WORKING PRESSURE:	246 bar
AIR PRESSURE REQUIRED:	6 - 8 bar
MAX. PRODUCTION RATIO 1:1:	18 kg/min
MIN. PRODUCTION RATIO 1:1:	1.5 kg/min



GDI

MECHANICAL PURGE





The **GDI** 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.

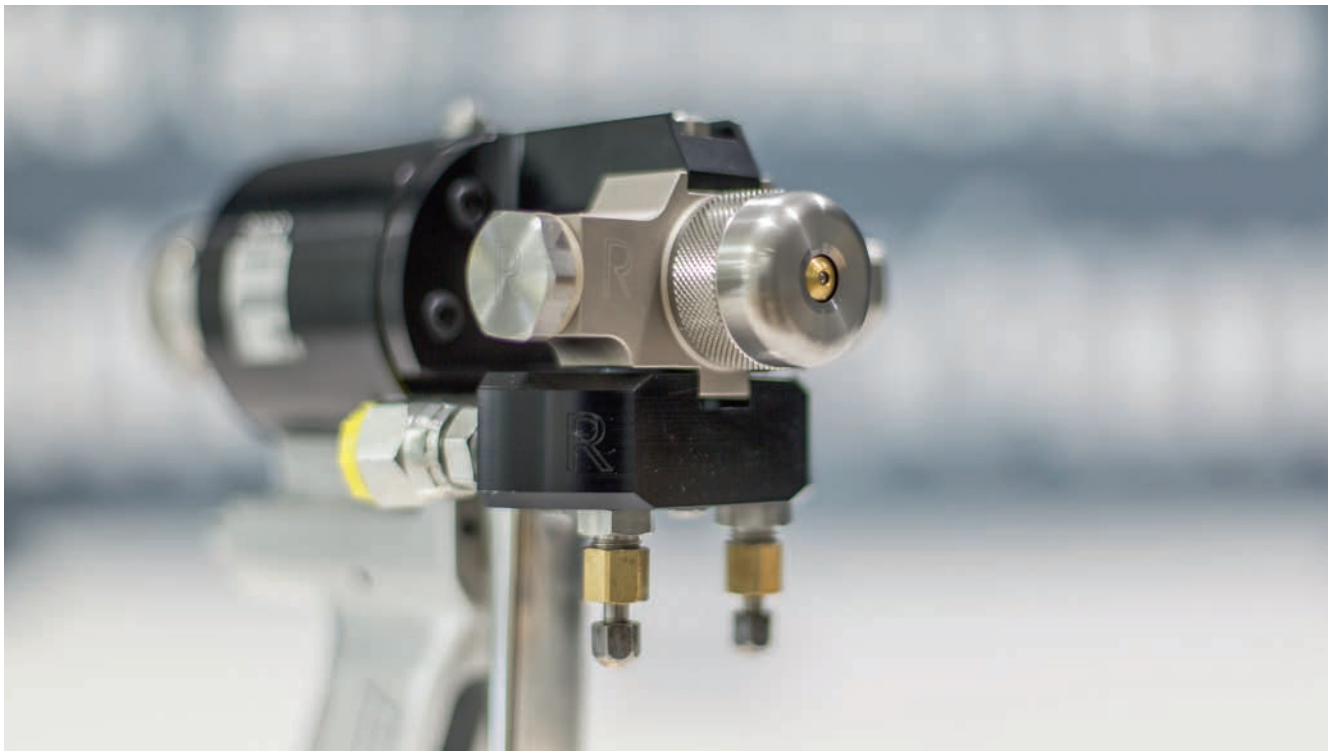
TECHNICAL SPECIFICATIONS

MAX. WORKING TEMPERATURE:	90° C
MAX. WORKING PRESSURE:	270 bar
AIR PRESSURE REQUIRED:	7 bar
MAX. PRODUCTION RATIO 1:1:	18 kg/min
MIN. PRODUCTION RATIO 1:1:	0.5 kg/min



SPRAY GUNS TECHNICAL SPECIFICATIONS SUMMARY

	MAX. WORKING PRESSURE	AIR PRESSURE REQUIRED	MAX. PRODUCTION RATIO 1:1	MIN. PRODUCTION RATIO 1:1	
	MASTER I	210 bar	6 - 8 bar	18 kg/min	1.5 kg/min
	MASTER II	246 bar	6 - 8 bar	18 kg/min	1.5 kg/min
	MASTER III	246 bar	6 - 8 bar	18 kg/min	1.5 kg/min
	GDI	270 bar	7 bar	18 kg/min	0.5 kg/min



SPARE PARTS & ACCESSORIES

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.

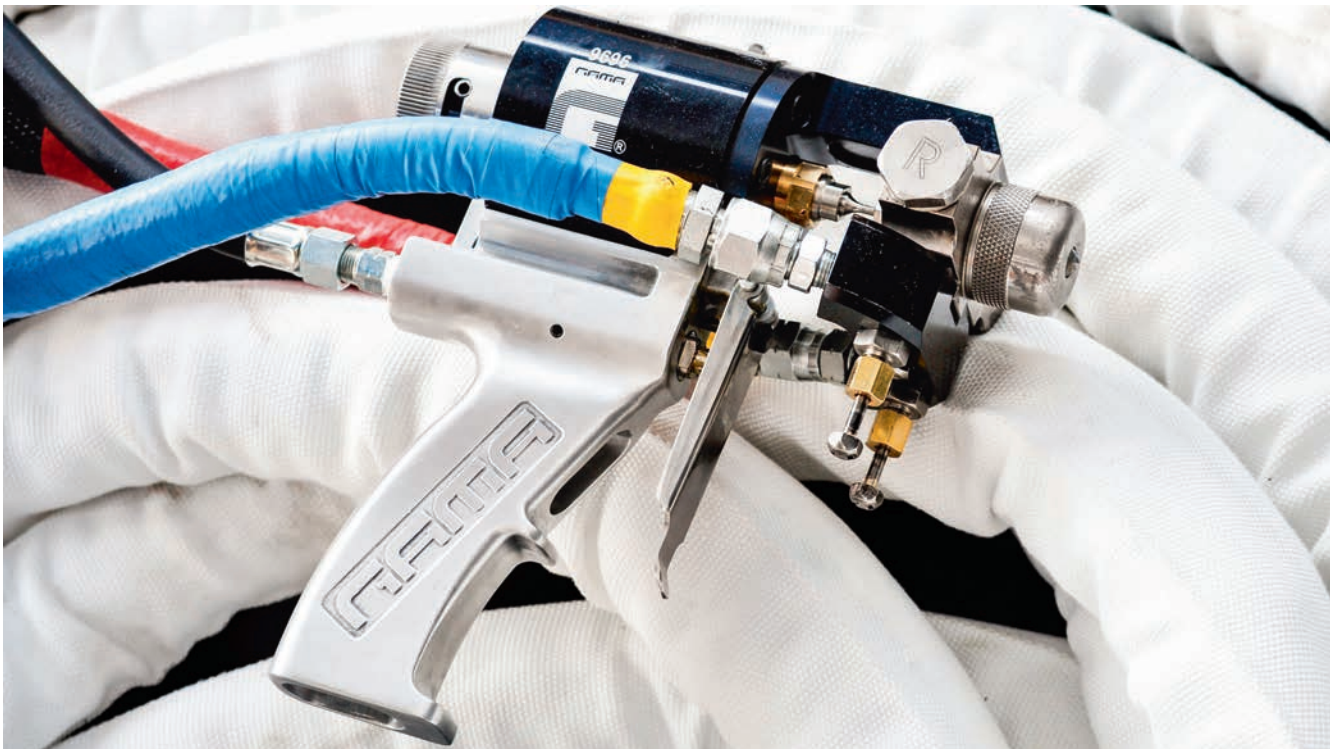
GAMA HEATED HOSE

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.



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

GAMA SPRAY EQUIPMENT

POLYURETHANE FOAM, COATINGS AND POLYUREAS

Designed with the customer in mind



HI-TECH SPRAY EQUIPMENT, S.A.

Camí Pla 31, Pol. Ind. Mas Alba
08870 Sitges, Barcelona (Spain)
Sales Tel. (+34) 93 893 53 02
Factory Tel. (+34) 93 811 40 00
infogama@hitechspray.com
www.gamapur.com

Distributed by:

