

GAMA SPRAY EQUIPMENT

POLYURETHANE FOAM, COATINGS AND POLYUREAS

Designed with the customer in mind!



www.gamapur.com



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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-five years of experience in the design of high performance two component spray and pouring equipment.

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.

WHO WE ARE



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.

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 230V 50/60 Hz
2PE 230V 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 230V 50/60 Hz
2PE 230V 50/60 Hz
3NPE 400V 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



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 230V 50 Hz 2PE 230V 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 230V 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: | 10 kg/min @ 110 bar (7.6 pumps) 5 kg/min @ 160 bar (4.5 pumps) |
| ELECTRICAL CONNECTION: | 3PE 400V 50/60 Hz |
| HEATING POWER: | 6kW |
| HOSE HEATING: | 3 kW |
| MOTOR POWER: | 3kW |
| MACHINE CONSUMPTION: | 23 A |
| MAX. HOSES LENGTH: | 93 m (for foam) 63 m (for polyurea) |
| WEIGHT: | 190 kg (without oil) |
| OIL CAPACITY: | 18 l |
| DIMENSIONS: | 1165 mm x 605 mm x 744 mm |



GPRO-35H ALL IN ONE

The new **GPRO-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 GPRO-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. It now features a new hydraulic oil cooling system. The open design allows easy access to all 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 400V 50/60 Hz

3PE 230V 50/60 Hz

HEATING POWER: 12 kW

HOSE HEATING: 3 kW

MOTOR POWER: 4 kW

MACHINE CONSUMPTION: 38,4 A/66,6 A

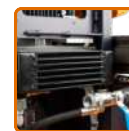
MAX. HOSES LENGTH: 93 m (for foam)

78 m (for polyurea)

WEIGHT: 232 kg (without oil)

OIL CAPACITY: 28 l

DIMENSIONS: 1295 mm x 745 mm x 650 mm



GPRO-50H THE MOST POWERFUL

The new **GPRO-50H** hydraulic 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. It now features a new hydraulic oil cooling system. The open design allows easy access to all 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 400V 50/60 Hz

3PE 230V 50/60 Hz

HEATING POWER: 18 kW

HOSE HEATING: 4 kW

MOTOR POWER: 5,5 kW

MACHINE CONSUMPTION: 56A/97,7A

MAX. HOSES LENGTH: 93 m

WEIGHT: 266 kg (without oil)

OIL CAPACITY: 28 l

DIMENSIONS: 1295 mm x 745 mm x 650 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: 275 bar

ELECTRICAL CONNECTION: 3PE 400V 50/60 Hz

HEATING POWER: 18 kW **HOSE HEATING:** 4 kW + 4 kW

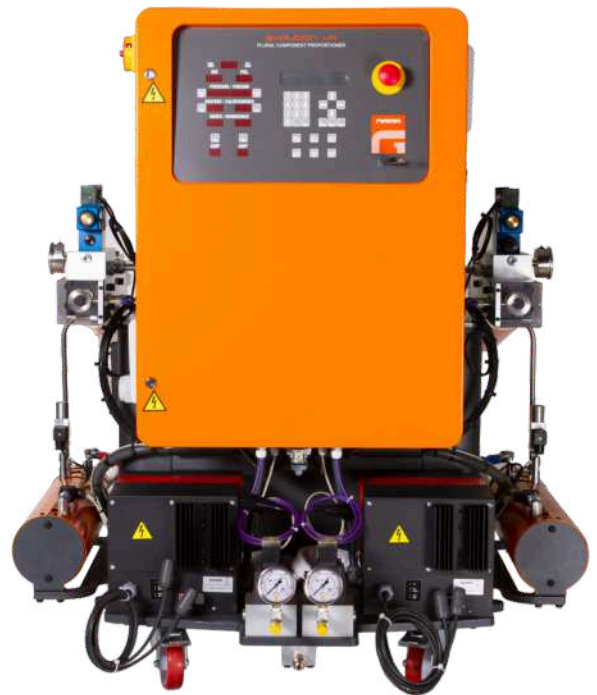
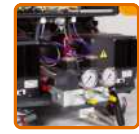
MOTOR POWER: 3 kW + 3 kW **MACHINE CONS.:** 54A (Motor 3 kW + 3 kW)
4 kW + 4 kW 62A (Motor 4 kW + 4 kW)

MAX. HOSES LENGTH: 93 m

WEIGHT: 450 kg (without oil)

OIL CAPACITY: 95 l

DIMENSIONS: 1250 mm x 1110 mm x 1200 mm



GA-200 HYDRAULIC AIRLESS TECHNOLOGY

The **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 | |

G - CONNECT

Maximum connectivity to control and analyse your Foam and Polyurea applications!

Intuitive smart touch screen

Control from your mobile device

Hydraulic power to assure constant pressures and ratio control

2x 6000 W heating power

240 bar maximum pressure



G-CONNECT MAXIMUM CONNECTIVITY

The **G-Connect** is the most powerful digital unit in the market. It has total connectivity plus the power and reliability of hydraulics in a single unit to analyse the foam and polyurea applications from any mobile device.

TECHNICAL SPECIFICATIONS

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

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

HEATING POWER: 12 kW **HOSE HEATING:** 4 kW
MOTOR POWER: 4 kW **MACHINE CONSUMPTION:** 38,4 A/66,8 A

MAX. HOSES LENGTH: 93 m

WEIGHT: 242 kg (without oil)

OIL CAPACITY: 28 l

DIMENSIONS: 1295 mm x 745 mm x 650 mm



G-CONNECT+ MAXIMUM CONNECTIVITY & EXTRA POWER

The **G-Connect+** has the same features as the G-Connect unit offering the extra power of a bigger motor and hydraulic pump to increase maximum output and pressure capabilities.

TECHNICAL SPECIFICATIONS

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

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

HEATING POWER: 16 kW **HOSE HEATING:** 4 kW
MOTOR POWER: 5,5 kW **MACHINE CONSUMPTION:** 51,1 A / 89 A

MAX. HOSES LENGTH: 93 m

WEIGHT: 260 kg (without oil)

OIL CAPACITY: 28 l

DIMENSIONS: 1295 mm x 745 mm x 650 mm

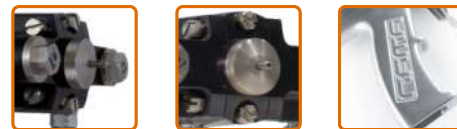


TECHNICAL SPECIFICATIONS SUMMARY

| | | MAXIMUM OUTPUT | MAXIMUM PRESSURE | ELECTRICAL CONNECTION OPTIONS | HEATING POWER | HOSE HEATING |
|-----------------------------|---|---|---|---|---------------|-------------------|
| EASY SPRAY PNEUMATIC |  | 4 kg/min | Standard LP: 100 bar Alternative HP: 200 bar | 1NPE 230V 50/60Hz 2PE 230V 50/60Hz | 3,6 kW | 1,6 kW (optional) |
| G-125A |  | 9 kg/min | 125 bar | 1NPE 230V 50/60 Hz 2PE 230V 50/60 Hz 3NPE 400V 50/60 Hz | 10 kW | 3 kW |
| EASY SPRAY HYD SINGLE-PHASE |  | 4 kg/min | 175 bar | 1NPE 230V 50 Hz 2PE 230V 50 Hz | 3,6 kW | 1,6 kW (optional) |
| EASY SPRAY HYD THREE-PHASE |  | 10 kg/min (7.6 pumps) 5 kg/min (4.5 pumps) | 110 bar 160 bar | 3PE 400V 50/60 Hz | 6 kW | 3 kW |
| GPRO-35H |  | 15 kg/min 9 kg/min 7 kg/min | 110 bar 160 bar 240 bar | 3PE 400V 50/60 Hz 3PE 230V 50/60 Hz | 12 kW | 3 kW |
| GPRO-50H |  | 22 kg/min 17 kg/min 12 kg/min | 110 bar 160 bar 240 bar | 3PE 400V 50/60 Hz 3PE 230V 50/60 Hz | 18 kW | 4 kW |
| VR |  | 15 kg/min 1 kg/min (min. output) | 275 bar | 3PE 400V 50/60 Hz | 18 kW | 4 kW + 4 kW |
| G-CONNECT |  | 15 kg/min 9 kg/min 7 kg/min | 110 bar 160 bar 240 bar | 3PE 400V 50/60 Hz 3PE 230V 60 Hz | 12 kW | 4 kW |
| G-CONNECT+ |  | 22 kg/min 17 kg/min 12 kg/min | 110 bar 160 bar 240 bar | 3PE 400V 50/60 Hz 3PE 230 V 50 Hz | 16 kW | 4 kW |

| MOTOR POWER | MACHINE CONSUMPTION | MAXIMUM 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 W: 610 mm L: 700 mm |
| | 58 A / 43,5 A / 22 A | 93 m | 120 kg | | H: 1055 mm W: 540 mm L: 550 mm |
| 1,8 kW | Recirculation hoses: 12A + 16A - 2 plugs 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 W: 605 mm L: 744 mm |
| 3 kW | 23 A | 93 m (for foam) 63 m (for polyurea) | 190 kg (without oil) | 18 l (oil) | H: 1165 mm W: 605 mm L: 744 mm |
| 4 kW | 38,4 A / 66,6 A | 93 m (for foam) 78 m (for polyurea) | 232 kg (without oil) | 28 l (oil) | H: 1295 mm W: 745 mm L: 650 mm |
| 5,5 kW | 56 A / 97,7 A | 93 m | 266 kg (without oil) | 28 l (oil) | H: 1295 mm W: 745 mm L: 650 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) | 95 l (oil) | H: 1250 mm W: 1110 mm L: 1200 mm |
| 4 kW | 38,4 A / 66,8 A | 93 m | 242 kg (without oil) | 28 l (oil) | H: 1295 mm W: 745 mm L: 650 mm |
| 5,5 kW | 51,1 A / 89 A | 93 m | 260 kg (without oil) | 28 l (oil) | H: 1295 mm W: 745 mm L: 650 mm |

MASTER I AIR PURGE SPRAY GUN



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: | 160 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 SPRAY GUN

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 SPRAY GUN

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 |



HT BLACK GUN AIR PURGE SPRAY GUN

The **HT BLACK GUN** introduces a breakthrough in technology with the one push patent pending system that allows you to remove the mixing chamber independently - without the need to extract the gun block like in other traditionally designed guns. The HT BLACK GUN also offers the new twist & pull lock system to enable a fast and easy gun block disassembly. Hi-Tech Spray Equipment Engineering Team has developed the HT BLACK GUN to be light, easy to handle, intuitive and with the fastest maintenance system on the market.

TECHNICAL SPECIFICATIONS

| | |
|-----------------------------------|------------|
| MAX. WORKING PRESSURE: | 240 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 SPRAY GUN

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: | 265 bar |
| AIR PRESSURE REQUIRED: | 7 bar |
| MAX. PRODUCTION RATIO 1:1: | 18 kg/min |
| MIN. PRODUCTION RATIO 1:1: | 1,5 kg/min |

TECHNICAL SPECIFICATIONS SUMMARY

| | MAX. WORKING PRESSURE | AIR PRESSURE REQUIRED | MAX. PRODUCTION RATIO 1:1 | MIN. PRODUCTION RATIO 1:1 |
|--|-----------------------|-----------------------|---------------------------|---------------------------|
| MASTER I  | 160 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 |
| HT BLACK GUN  | 240 bar | 6 - 8 bar | 18 kg/min | 1,5 kg/min |
| GDI  | 265 bar | 7 bar | 18 kg/min | 1,5 kg/min |



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 homogenously 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.



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