

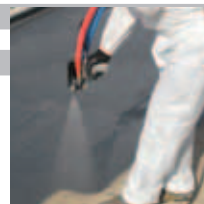
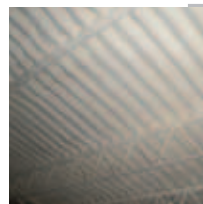
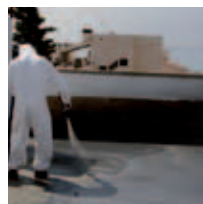


Hydraulic Proportioning Unit

EASY SPRAY HYDRAULIC

PORTABLE
PERFECTION

POLYUREA - PU COATINGS - POLYURETHANE FOAM



GAMA SPRAY EQUIPMENT
Designed with the Customer in Mind!

EASY SPRAY HYDRAULIC

GAMA Proportioners represent the best and most efficient partner for high quality applications

EASY SPRAY HYDRAULIC, a new concept for 2K systems applications!

A **GAMA** PROPORTIONER IS MUCH MORE THAN THE SUM OF ITS FEATURES!

With the **EASY SPRAY HYDRAULIC** model, you not only receive a compact and innovately designed unit, you also receive additional features that will allow you to obtain higher productivity and excellent quality in your applications with complete reliability.

- Total warranty on parts and labor
- More than 20 years of experience in the urethane industry
- Immediate response to your questions
- Specialists' technical assistance
- Ability to adapt to your specific needs

GAMA parts have been designed and manufactured with the same rigor, quality and attention to detail as the **Easy Spray Hydraulic** units so that they perfectly mate to them to support the most demanding application conditions.

FEATURES AND CHARACTERISTICS

Easy Spray Hydraulic, of an advanced and compact design, is an easy-to-use, portable hydraulic 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 switch that allows an easy operation with no need of qualified personnel and a saving of time during the set up and application.

The control panel consists of a touch screen that incorporates specially designed software to facilitate the selection and control of all working parameters in quick and easy manner. A sophisticated alarm system warns the operation of any error in the process to ensure the right application of the products. As an additional feature, a phase connection alarm is incorporated into the design to avoid costly repairs from errors or mistakes when plugging the proportioner into the electrical supply.

Easy Spray Hydraulic with hose heating



Primary Heating System

The primary heating system consists of two separate independent block heaters with no seals. Each heater incorporates 2 each 900 W heating elements that supply a total power of 1800 W with the necessary control and safety features for the accurate and reliable performance of the system. The special design of the heaters allows for a ΔT of 30° C and enables it to reach application temperatures of 70° C in normal environmental conditions.

Hose Heating System

The Easy Spray Hydraulic may come equipped with a length of heated hose 15 meters to 230 V, or a transformer 2000 W of power to heat a maximum length of 48 meters hose. The system incorporates an innovative concept of heated hose in which copper resistance providing a homogeneously distributed heat intensity uniform and precise control of the application temperature of the products.

For the application of products that do not require heating in the Easy Spray Hydraulic hoses can come equipped with a recirculation kit which allows to reach the set temperature set on the heaters faster, before starting to plan and during the pause times.

Proportioning Pumps

The system is including two positive displacement piston pumps, driven by a hydraulic motor. The proportioning pumps are manufactured from high hardness tempered aluminium and a special treatment that offers a low coefficient of friction, a high level of lubrication, and an increased level of wear resistance. The system includes a common guide system that ensures dynamic stability guaranteeing the correct alignment of the pump group and extending the life of the packing seals.

TECHNICAL SPECIFICATIONS - RECIRCULATION

Maximum Output:	4 Kg/min	9 lb/min
Maximum Pressure:	175 Kg/cm ² (17.2 Mpa)	2489 psi
Electrical Connection:	2 phases of 230 V / 1 phase of 400 V + neutral	
Power consumption Con. 1:	1,8 kW (motor)	
Power consumption Con. 2:	3,6 kW (heaters)	
Consumption Connection 1:	12 A	
Consumption Connection 2:	16 A	
Standard hose:	11 m (recirculation)	
Weight:	165 Kg (without oil)	363 lb
Dimensions:	1165 mm x 605 mm x 744 mm	

TECHNICAL SPECIFICATIONS - HOSE HEATING 230 V

Power consumption Con. 1:	3,3 kW (1,8 kW motor + 1,5 kW hoses)
Power consumption Con. 2:	3,6 kW (heaters)
Consumption Connection 1:	16 A
Consumption Connection 2:	16 A
Maximum hose length:	15m (heating)

TECHNICAL SPECIFICATIONS - HOSE HEATING WITH TRANSFORMER

Power consumption Con. 1:	1,8 kW (motor)
Power consumption Con. 2:	3,6 kW (heaters)
Power consumption Con. 3:	2 kW (hoses transformer)
Consumption Connection 1:	12 A
Consumption Connection 2:	16 A
Consumption Connection 3:	10 A
Maximum hose length:	48 m (heating transformer)

GARRAF MAQUINARIA S.A.