Hydraulic Proportioning Unit

evolution G-250H

POLYUREA – PU COATINGS – POLYURETHANE FOAM

USB Data Adquisition System INCLUDED





GAMA SPRAY EQUIPMENT

Designed with the Customer in Mind!

evolution G-250H

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

EVOLUTION

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.

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

With the evolution G-250H, 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 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 **evolution** units so that they perfectly mate to them to support the most demanding application conditions.

FEATURES AND CHARACTERISTICS

The new evolution G-250H hydraulically driven proportioning unit has been designed and manufactured to fulfil the most demanding requirements of industrial foam in place applications of two component systems requiring high dosing precision to assure the best mixing quality of the chemical components. Its particular configuration facilitates easy access to all its components, simplifies the control functions and significantly reduces maintenance time.

Primary Heating System

The primary heating system consists of two separate hydraulically and electrically independent block heaters. Each heater incorporates 6 each 1250W (1500W optional) heating elements that supply a total power of 7500W (9000W optional) 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 50ºC and enables it to reach application temperatures of 90ºC in normal environmental temperature conditions.

Hose Heating System

The hose heating system is designed with 4000W isolation transformer that allows the heating of up to 93m. The system incorporates an innovative concept of heated hose in which the copper resistance element is homogenously spread around de hose. This allows accurate and uniform control of the application temperature of the products and avoids the heat concentrations that are produced in traditionally manufactured hoses.

Control Panel

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.

Proportioning Pumps

A double acting hydraulic cylinder drives two directly opposed chemical proportioning pumps. This design eliminates asymmetrical loads and assures prolonged life of the pump packing seals as well as assures a constant stabilised pressure in order to achieve perfect mixing of the chemical components. Several pump sizes are available to obtain different volumetric ratios.

Gama Logger

The Best Application Control Tool

It is an electronic system for data acquisition.

During the working sessions of the proportioning unit, all measuring values and parameters like temperatures, pressures, working time, alarms, ratio and product consumption will be captured and stored through a USB device (Pen Drive). Through the **Gama Logger** software, captured data can be visualized, analyzed, printed and represented graphically into any personal computer.

Distributed by:

TECHNICAL SPECIFICATIONS		
Maximum Output (with pumps 1.2):	14 kg/min	31 lb/min
Maximum Output (with pumps 0.8):	9 kg/min	20 lb/min
Maximum Pressure (with pumps 1.2):	140 kgf/cm² (13,7 MPa)	2000 psi
Maximum Pressure (with pumps 0.8):	240 kgf/cm² (23,5 MPa)	3500 psi
Heating Power:	15 Kw (with pumps 1.2) 18 Kw (with pumps 0.8)	
Hose Heating Power:	4 Kw	
Electrical:	41 A @ 3 x 400V	
Weight:	272 kg (without oil)	598 lb
Dimensions:	1200 mm x 900 mm x 700 mm	

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