

MVP

UK & IRELAND



RS1000

Features and Characteristics

The new RS1000 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 independent tube heaters. Each heater incorporates four 1500W heating elements that supply a total power of 6000W with the necessary control and safety features for the accurate and reliable system performance. The special design of the heaters allows for a ΔT of 50°C reaching application temperatures of 90°C under normal environmental temperature conditions.

Hose Heating System

The hose heating system is designed with 3000W isolation transformer that allows the heating of up to 93m (optional 150m). The system incorporates an innovative concept of heated hose 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 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 machine into the electrical supply.



Monobloc Pumps with Anti-Leak System

This new Monobloc pump incorporates a revolutionary Anti-Leak System.

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

RS1000 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 RS1000 Logger software, captured data can be visualized, analyzed, printed and represented graphically into any personal computer.



Technical specifications

MAX OUTPUT	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
MOTOR POWER	4 kW
HOSE HEATING	3 kW
MACHINE CONSUMPTION	38,4 A / 66,6 A
MAXIMUM HOSE LENGTH	93 m (for foam) 78 m (for polyurea)
WEIGHT	261 kg (without oil)
OIL CAPACITY	59 l
DIMENSIONS	H= 1352 mm W= 945 mm L= 745 mm



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