Servitec Mini, compact vacuum spray tube degassing in automatic mode

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Thinking solutions.



Features

Type	Mini
Max. system volume	1 m³
Max. perm. operating temperature	60 °C
Max. perm. operating pressure	4 bar
Operating pressure	0.5 - 2.5 bar
Max. sound pressure level	55 dB(A)
Electric connection	230V/50Hz
Pressure side connection	G 1/2"
Connection outflow side	G 1/2"
Separation level, dissolved gases to	90 %
Max. partial volume flow network	0.050 m³/h
Rated electrical current	0.30 A
Max. electrical rated power	0.06 kW
Height	420 mm
Width	295 mm
Depth	220 mm
Weight	5.60 kg

Description

Servitec
Vacuum spray-tube degassing system for system degassing in sealed heating water and chilled water systems, configured as a fully automatic multi-function unit with auto-stop operation and automatic hydraulic compensation of the degassing process and monitoring of the water make-up request.

Only suitable for water.

Functional unit comprising hydraulic part designed for wall mounting and electronic, ergonomically arranged Control Smart controller with CE marking.

Degassing takes place within the hydraulic part using a diaphragm pump in conjunction with a vertically arranged brass vacuum spray tube. This is equipped with a vacuum spray nozzle, dipstick-tube degassing unit and pressure monitoring. To protect it against dirt, the unit as a whole is located in a housing made from expanded polypropylene with an opening maintenance cover.

The Control Smart controller is integrated into a robust plastic housing, which houses both the power and communication electronics and the control panel with a dirt-resistant membrane keyboard. Bluetooth is integrated as standard as a communication interface. The controller features a fully automatic microprocessor controller with a timing function, a differentiated error and parameter memory, an LED display for operating modes and general error messages, and visualisation of the controller statuses for system pressure and all relevant operating and fault messages via the Control Smart app using Bluetooth communication.

Control Smart enables convenient wireless operation via Bluetooth using an app for smartphones and tablets running either iOS or Android to provide simple commissioning as well as visualisation of system operation. The following functions are available:

- Automatic setting of the time and date
- Setting and adjusting the minimum operating pressure p0
- Switch-on times for permanent and interval degassing can be freely specified and entered by the operator
- Free configuration of day of the week and time for interval degassing operating mode including a summer function
- Status, warning and error display relating to facility pressure and operating states including diagnostic instructions and handling recommendations
- Automatic software updates

Control unit completely assembled and wired ready for connection according to VDE regulations, mains power cable and mains plug, system connections by means of integrated shut-off valves.

Method of functioning in optimised operation with cycles for continuous and interval degassing. Actuation takes place via an integrated system pressure interpretation unit with automatic interruption and fault messaging upon exceeding of the running time and/or the number of cycles. Documentation and control of the entire system in respect of the above mentioned parameters.