

SUPPLYING.
DOSING.
APPLYING.

WALThER
SYSTEMTECHNIK



ABPS-01

AIR BUBBLE PROTECTION SYSTEM



ABPS-01
automatically
detects air inclusions
in the medium and
discharges them.

- Automatic detection of air bubble inclusions in the medium and saving material when discharging
- ABPS will autonomously identify relevant parameters
- Monitoring of process and limit values
- External control via SPS/PLC possible



PRODUCT INFORMATION

PROTECT YOUR SYSTEM & MAKE SURE YOU HAVE THE OPTIMUM APPLICATION QUALITY

ABPS-01 DETECTS AIR INCLUSIONS IN MEDIA AND CAN TRANSFER THEM OUTWARDS WHILE SAVING MATERIAL.

Gas inclusions in a medium can abruptly explode when leaving the dosing valves; this may not only cause a reduction in dosing quantity and an incorrect application image; in some cases, it can also damage the dosing valves and the system. The Air Bubble Protection System protects your system. It will automatically detect gas and air inclusions in the medium and will reliably discharge these. It is a compact and very efficient system which was particularly designed for conditioning liquid and viscous media. The device allows you a continuous monitoring of the volume flow and reduces material losses to a minimum, thanks to its detection and separation precision. When in use, the Air Bubble Protection is

able to monitor different process values and will signal any exceeding or falling-below of pre-defined limit values. The system also has a display which shows the operating status or events and is used for direct configuration. A password protection will prevent unauthorized changes.

As a module of the Modular Series, the Air Bubble Protection System ABPS-01 has a compact design, can be easily installed and can be integrated in any dosing and application system. Above that, flanging it to other modules of the series is fast and easy.

TECHNICAL DATA

Product description	ABPS-01
Allowed operating pressure	10 [bar]
Allowed volume flow	100 [cm ³ /min]
Supply voltage	24 [VDC]
Allowed operating temperature	5 - 50 [°C]
Dimensions (L x B x H)	153 x 79 x 138,5 [mm]
Digital outlets	4 X 24 [VDC]
Fieldbus	RS485 Modbus RTU
Minimum detectable air bubble \varnothing	1,3 [mm]