



Advanced Degassing Station

Simply without gas or bubbles:
the optimum preparation of
viscous media for the
application

WADS

Highlights / Benefit

- Monitoring the medium for gas inclusions and automatic discharge
- Least loss of medium as only the contaminated portion will be discharged
- Continuous supply of medium, independent of air bubble discharge
- Increase of process capability and OEE
- Carefree package; can also be easily integrated into existing systems

WADS “scans” your medium for gas inclusions and performs material-saving discharges

Profit from more stability and less rejects in your application processes.

Gas inclusions in lubricants complicate the reproducibility and repeat accuracy of industrial lubrication processes. Among others, they cause lower-quantity dosing, large contamination with medium and damages on the dosing valve. The Walther Advanced Degassing Station (short: WADS) detects these gas inclusions and discharges them reliably and efficiently. It produces a homogenous application image of the lubricant and helps to increase and stabilize the process quality. The WADS is an independent and autonomous component which can be planned as part of new systems, but can also be easily retrofitted into existing process chains. Are you preferring an autarch degassing unit? Add the WADS with only a few steps, so-to-say ‘Plug & Play’ to your system: the WADS can be a stationary solution, easily controllable with the integrated operating panel (HMI). Or would you prefer to control the Advanced Degassing Station via remote control with your SPS/PLC and thus add it to your system? The Ethernet Bus interface (Modbus TCP protocol) allows a complete system integration. Whichever your decision, both options offer you extensive setting options and parameters. And if there is anything wrong, the WADS will directly issue a warning: based upon definable limit values, the station monitors different process values and will report any exceeding or falling-below via freely configurable digital outlets. Above that, the WADS takes care of a continuous flow of medium – not only during the discharge, but also during interruptions of the material supply, such as container replacements. The WADS comes with an integrated storing unit which guarantees a constant supply for your application system and a continuing production.

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additional
product info



Technical Data

Inlet pressure (medium)
max. 150 [bar]

Outlet pressure (medium)
0 to 250 [bar]

Supply voltage
230 [V AC], 5 [A]

Filling capacity (medium)
40 to 2000 [ccm]

Average volume flow
max. 100 [ccm/min]

Short-term volume flow
max. 1500 [ccm/min]

User interfaces
3 x Digital Input / 3+3 Digital Output / HMI 4,3“ / Modbus TCP

Definable alarm outlets
4 x 24 [VDC]

Operating modes
manual, automatic
(local & remote)

Detectable air bubbles
min. Ø 1,3 [mm]

Allowable lubricant
characteristics
non-abrasive, particle size
< 150 [µm], NLGI 3