

For Smooth Operations

## Effective and economical:

Ideal accessories for ABNOX  
Metering Technology



Material Pressure  
Regulator

Magnetic Filter

Static Mixer

Connecting Plates



**ABNOX**<sup>®</sup>  
Lubrication & Metering Solutions

# Material Pressure Regulator

## **MDR-LW04-1M/-2M (V3.0)**

**The new ABNOX MDR-LW04 Material Pressure Regulator with piston is used for pressure reduction and to minimise pulsations that occur during materials handling. The working pressure is continuously variable from 5 to 50 bar using the pre-stressed bolt and can be locked with the counter nut. Ideally the ratio between the input and output pressure should not be greater than 5:1.**

The material pressure regulator is designed for processing self-lubricating media such as grease and oil.

The regulator can be ordered with an output pressure gauge (-1M) or with an input and output pressure gauge (-2M). A mounting set for direct attachment to the ABNOX Grease Supply Systems is also available for this material pressure regulator as an option.





All technical data, information, replacement parts, accessories and the animated video illustrating how it works are found on our website: [www.abnox.com](http://www.abnox.com)

## For controlled and constant pressure: ABNOX Material Pressure Regulator



### **Advantages:**

- Minimisation of pulsations
- Ideal conditions for accurate dosing
- Safety element for pressure-critical components
- Straightforward integration into production equipment
- Available with one or two pressure gauges

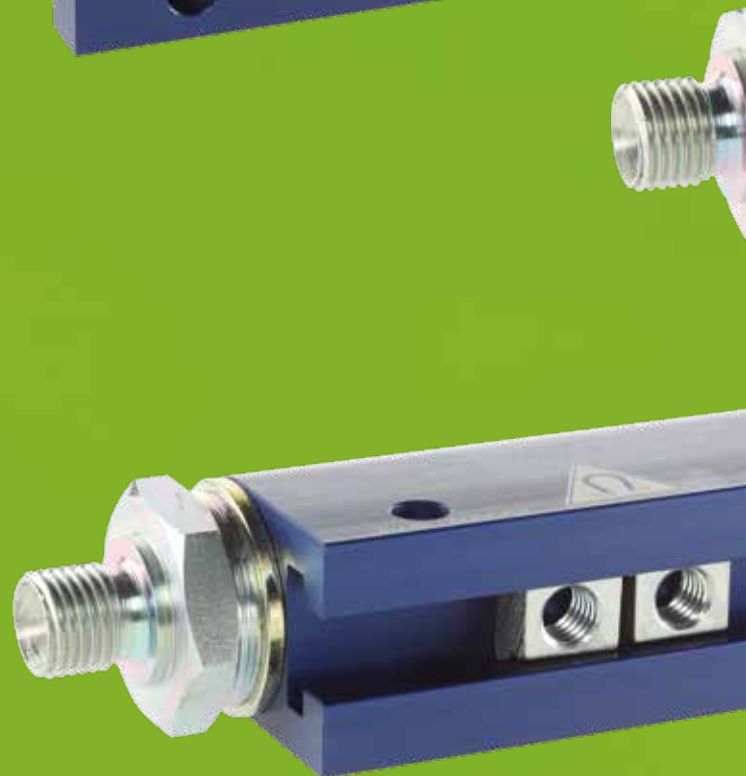
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# Magnetic Filter

**Nobody gets far with gravel in the gearbox. This applies correspondingly to Lubricating and Metering Systems in the figurative sense. Metal chips and particles, grinding dust or grit can severely impair the service life of some system components, especially in case of newly installed lines or tough production environments.**

The simply and effective ABNOX solution: a new Magnetic Filter with a powerful magnetic filter cartridge that reliably attracts and binds all ferrous contaminants in the conveying medium. This keeps the lubricant clean and therefore minimises wear, contamination and faults.

Regular filter cleaning ensures consistently high performance. The compact Magnetic Filter is very easy to integrate into existing pipework. As always with ABNOX, the entire component is designed for installation, removal and maintenance with minimal effort.





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The new ABNOX Magnetic Filter, filters ferrous particles out of lubricants cleanly, effectively and economically



**Advantages:**

- Low wear, resulting in a longer service life for system components
- Lubricants remain usable for a longer time
- Cost-effective cleaning system for reduced downtime
- Long-lasting filter element
- Easy installation and maintenance
- Compact and robust design
- Flexible in application thanks to various mounting options (cross-bores or sliding blocks).
- Pressure-resistant up to 200 bar

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# Static Mixer

## **The simple solution to break up air pockets in the flowing medium.**

Multiple cutting with the individual mixing elements efficiently breaks up air pockets in the medium. The ABNOX Static Mixer can be installed anywhere with the T-grooves and the supplied sliding blocks or the 2 cross-bores. The lateral couplings keep the mixing elements in their intended position.



### **Advantages:**

- Minimisation of dosing errors
- Pressure-resistant up to 200 bar
- Straightforward integration into production equipment
- Maintenance-free



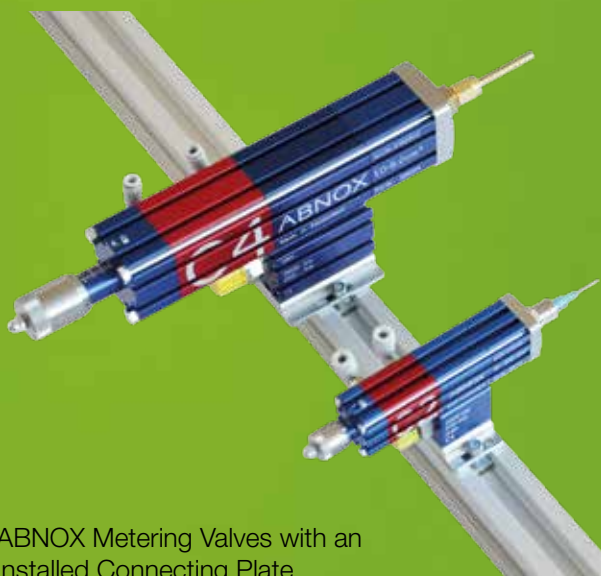
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# Connecting Plates for ABNOX Metering Valves

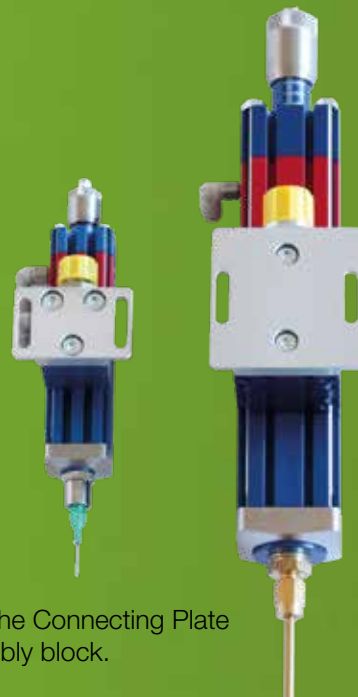


**Make the mounting of Metering Valves on your individual system easier.**

The Connecting Plates matching your ABNOX Metering Valve can be mounted in just a few steps and are fast and flexible to adjust. Thanks to the new Connecting Plate, the Metering Valve can be conveniently mounted from the front.



ABNOX Metering Valves with an installed Connecting Plate.



Mounting of the Connecting Plate on the assembly block.

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# For Smooth Operations



## Lubrication Technology

Manual, electric and pneumatically activated lubricating and decanting equipment for delivering greases and oils.



## Metering Technology

Metering valves, control elements, part-specific applications.



## Grease Supply

Compressed air and electrical grease supply systems and pumps for supplying moderately to highly viscous lubricants.



## Clamping Technology

High pressure one-hand and hand lever pumps, high pressure valves, pneumatic and electrical high pressure pumps, clamping systems.



## Customised Solutions

Development according to customer requirements for metering and greasing systems, from equipment and machines to clamping and releasing of tools and work pieces.

Please order our current information material or visit our website.

**ABNOX**<sup>®</sup>  
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