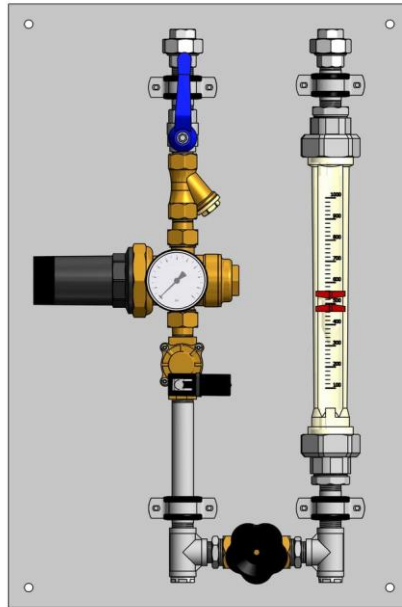




WATER DOSAGE UNIT WD

Manual water dosage system for grain moisturization



Overview

The Water Dosage Unit WD is used to moisten grain manually. The dosing unit is connected to the drinking water pipe. Any water flow rate can be set. The water flow is initiated by actuating a solenoid valve.

Application

The device is applied as a simple solution to moisten grain in flour mills and silo plants.

The amount of water is calculated according to the flow capacity and the desired percentage of water addition:

$$\text{Flow capacity in t/h} \quad \times \quad \text{Desired rate of water addition in \%} \quad \times \quad 12$$

Setting

The manual *Water Dosing Unit WD* consists of dirt trap, solenoid valve, pressure reducer with manometer, needle valve and rotameter.

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Sizes

The following sizes are available:

Type	Pipe size	Flow rate
WD20	½"	2 – 20 l/h
WD65	½"	6,5 – 65 l/h
WD150	½"	15 – 150 l/h
WD250	½"	25 – 250 l/h
WD400	½"	40 – 400 l/h
WD650	½"	65 – 650 l/h
WD1000	½"	100 – 1000 l/h
WD1600	½"	160 – 1600 l/h
WD2500	¾"	250 – 2500 l/h
WD4000	1"	400 – 4000 l/h
WD5000	1"	500 – 5000 l/h

The mounting plate is supplied in standard steel, RAL7035 powder coated. Optionally the mounting plate is available in stainless steel (also water conveying parts can be supplied in stainless steel).

Additionally the unit can be supplied in anti-freeze box with thermos-regulated heating system.

Integration

The integration is done with standard fittings. Optionally customer-specific connections are possible. A water connection of min. 1bar is required. Depending on the water column, higher pressure is required (e.g. by a pump system).

The solenoid valve can be supplied as 230V AC or 24V DC version. The clearing should be implemented by a switching contact which is coupled with the product flow rate (e.g. conveying screw).

(Technical data is subject to change without notice)

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