

The advancement of technology continues to drive our business forward allowing us to provide bespoke solutions to most processing sectors. We have particular experience in grain and flour processing, feed and food production, breweries and malthouses and most other continuous bulk handling activities.

Services include:

- Design of Control Systems and Build of Control Panels
- Software engineering for PLC and SCADA software
- Integration of Control and Information systems
- Electrical Wiring and Installation
- Technical Support

Products include:

- Inline NIR process analysis
- Continuous weighing and batching technology
- Moisture Measurement and regulation

Full details available on: www.suffolk-automation.co.uk

For further details and a no-obligation discussion about your process control requirements, please contact:

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Automatic Dampening System NC6

Exact moisture regulation of all cereal types

INFORMATION SHEET



OVERVIEW:

- Applicable for any intensive dampening requirements
- Exact water dosage dependent on target moisture
- Successfully operating in more than 700 mills worldwide
- Available with integrated weighing system

Automatic Dampening System NC6

Exact moisture regulation of all kinds of cereals

Application

The *Automatic Dampening System NC6* is suited for the following applications:

- Continuous measurement of moisture, hl-weight, temperature and weighing of flow capacity
- Exact humidification of grain to attain constant moisture level of the product

The *Automatic Dampening System NC6* measures continuously in free flow. The product moisture content is measured in the bypass pipe.

Function

By application of the *Automatic Dampening System* a mill can achieve optimal performance by maintaining its grain moisture at a constant level. The amount of water required - in order to achieve target moisture - is calculated from actual moisture and grain flow.

Applied products

All free flowing grain types can be measured, e.g. wheat, spelt, rye, barley, oat, maize, pepper and malt.

Construction

The *Automatic Dampening System NC6* consists of three structural components, which may be mounted independently of each other: measuring pipe, computer and water dosage unit.

Sizes

The housing is supplied in standard steel, powder-coated in colour RAL7032; inlet and outlet pipes are round. The following sizes are available:

Type	Pipe Ø	Capacity	Installation height
NC6.D120	120 mm	2 – 20 m ³ /h	880 mm
NC6.D150	150 mm	3,5 – 35 m ³ /h	1120 mm
NC6.D200	200 mm	7,5 – 75 m ³ /h	1400 mm
NC6.D250	250 mm	12 – 120 m ³ /h	1560 mm
NC6.D300	300 mm	20 – 200 m ³ /h	1200 mm

Integration

The measuring pipe must be installed vertical and be installed upstream of the conditioning screw. Optional installation can be upstream of the latest elevator. Inlet and outlet are connected with flared pipe ends. In case of vibrations the inlet and outlet must be uncoupled with rubber sleeves.

Control panel options

The control panel is available for panel mounting (24 V DC) or inside wall housing (230 V AC), with LCD-Display und keypad, display of measuring values and amounts, graphic recording over 12h, 6 product specific calibrations are possible, alarm and limit value observation, RS232/485-interface.

Water dosing unit

The water dosing unit can be installed anywhere along the water supply line of the conditioning screw and can be operated manually. Pressure fluctuations are compensated automatically. The unit is available on panel board or inside anti-freeze box with thermoregulated heating system.

