Dosing units

Solution for 2K and 3K paint application

Product families

EcoDose 2K – dosing units for two component materials
EcoDose 3K – dosing units for three component materials
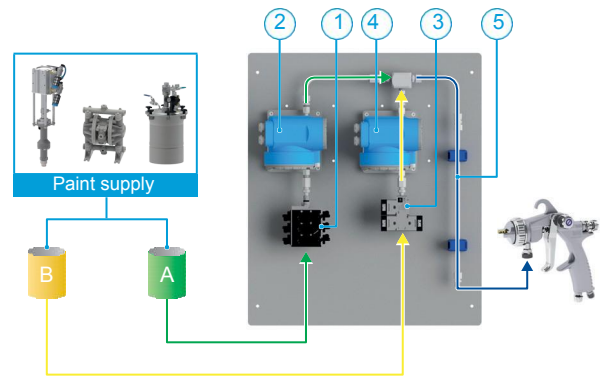**Eco**Dose 2K Easy – dosing unit for two component materials

EcoDose 2K Easy

Dosing units for two component materials

The **Eco**Dose 2K Easy represents the entry level of dosing units, offering high quality performances combined with the premium level components known from the **Eco**Dose 2K/3K product family. The **Eco**Dose 2K Easy is an electronic dosing system suitable for high and low pressure applications. It can be used in manual and automatic processes. Optimized for quick color changes and easy flushing, it enhances resource utilization and contributes to higher application efficiency. Fluids are measured consis- tently and precisely, even media with different viscosities. Typical fluids handled are 1 or 2K materials, water and solvent based paints, varnishes, lacquers and monolayer paints.

Paint supply

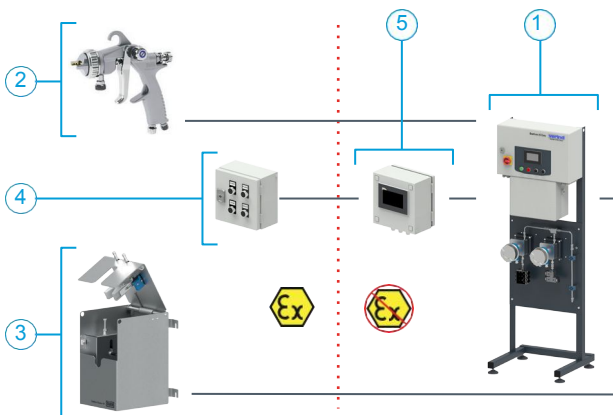**1** Paint valve, **2** Measured paint amount, **3** Catalyst valve, **4** Preset amount of catalyst measured, **5** Static mixing of the paint and catalyst

PRODUCT LINE

	EcoDose 2K Easy
Part No.	see part numbers on page 71
Max. fluid pressure	20 / 160 bar (290 / 2,320 psi) – max. Coriolis) / 200 bar (2,900 psi) – max. gear measuring cell)
Flow rate	40 – 4.000 cc/min *
Fluid viscosity range	30 – 2.000 mPas (cps) **
Mixing ratio	1:1 – 10:1
Flow meter type	Coriolis / Gear wheel

* Depending on flow meter type and fluid technical specs. (viscosity, paint supply equipment and pressures, ...)

** Range to be considered as general indication, actual values depending on job related paintshop conditions

CONNECTION SCHEME

1 **Eco**Dose 2K Easy, **2** **Eco**Gun, **2** Spray gun cleaner, **4** Pneumatic remote control,
5 Remote control HMI

CUSTOMER BENEFITS

Flow rate measurement by coriolis or gear flow meter

Exact volume controlled dosing of both components

High and constant mixing ratio accuracy

Monitoring of all dosing functions such as pot life and mixing ratio

Automatic color change controlled by volume

Independent flushing circuits for both components no premixing chamber

Smooth start-up procedure
Intuitive user interface touch screen

4,3" Atex fluidic panel (II3G Ex h IIA T4 Gc) Industry 4.0 compliant

EcoDose 2K Easy

Dosing units for two component materials

ORDER NUMBERS - EcoDose 2K EASy

Part No.	Pressure range	Flow control type component A	Flow control type com- ponent B	No. of component A	No. of component B
N10140003	max. 20 bar (IP)	Gear S	Gear S	2	1
N10140004	max. 20 bar (IP)	Gear S	Gear S	4	1
N10140005	max. 20 bar (IP)	Gear S	Gear S	4	2
N10140006	max. 20 bar (IP)	Gear S	Gear S	5	1
N10140007	max. 20 bar (IP)	Gear I	Gear S	2	1
N10140008	max. 20 bar (IP)	Gear I	Gear S	4	1
N10140009	max. 20 bar (IP)	Gear I	Gear S	4	2
N10140010	max. 20 bar (IP)	Gear I	Gear S	5	1
N10140011	max. 20 bar (IP)	Gear I	Gear I	2	1
N10140012	max. 20 bar (IP)	Gear I	Gear I	4	1
N10140013	max. 20 bar (IP)	Gear I	Gear I	4	2
N10140014	max. 20 bar (IP)	Gear I	Gear I	5	1
N10140015	max. 200 bar (HP)	Gear S	Gear S	1	1
N10140016	max. 200 bar (HP)	Gear S	Gear S	3	1
N10140017	max. 200 bar (HP)	Gear S	Gear S	3	3
N10140018	max. 200 bar (HP)	Gear S	Gear S	5	1
N10140019	max. 200 bar (HP)	Gear I	Gear S	1	1
N10140020	max. 200 bar (HP)	Gear I	Gear S	3	1
N10140021	max. 200 bar (HP)	Gear I	Gear S	3	3
N10140022	max. 200 bar (HP)	Gear I	Gear S	5	1
N10140023	max. 200 bar (HP)	Gear I	Gear I	1	1
N10140024	max. 200 bar (HP)	Gear I	Gear I	3	1
N10140025	max. 200 bar (HP)	Gear I	Gear I	3	3
N10140026	max. 200 bar (HP)	Gear I	Gear I	5	1
N10140027	max. 20 bar (IP)	Coriolis	Coriolis	2	1
N10140028	max. 20 bar (IP)	Coriolis	Coriolis	4	1
N10140029	max. 20 bar (IP)	Coriolis	Coriolis	4	2
N10140030	max. 20 bar (IP)	Coriolis	Coriolis	5	1
N10140031	max. 160 bar (HP)	Coriolis	Coriolis	1	1
N10140032	max. 160 bar (HP)	Coriolis	Coriolis	3	1
N10140033	max. 160 bar (HP)	Coriolis	Coriolis	3	3
N10140034	max. 160 bar (HP)	Coriolis	Coriolis	5	1

Gear I – gear measuring cell large (0,02 .. 3 l/min), Gear S – gear measuring cell Small (0,005 .. 2 l/min),
Coriolis – non mechanical flow metering (0,005 .. 3 l/min)

ACCESSORIES

Part No.	Description
N32920006	Kit atomization air for one gun
N32920007	Kit **Eco**Gun Cleaner M control
N32920008	Kit remote fluid panel Gear version 1x component B (hardener)
N32920009	Kit remote fluid panel Gear version 2x component B (hardener)

Part No.	Description
N32920010	Kit remote fluid panel Coriolis version 1x component B (hardener)
N32920011	Kit remote fluid panel Coriolis version 2x component B (hardener)
F30900006	Kit pneumatical remote control
M19023945	Bracket pneumatical remote control

Which 2K solution is suitable for me?

Compare the features of 2K solutions from Dürr

Feature	EcoDose 2K	EcoDose 2K Easy
HMI	Touch 7 inch	Touch 4,3 inch + 4 buttons
Main air pressure control	yES	NO
Atomization air control	yES	NO
Flushing programs	10	1
Gear Flow meter	yES	yES
Coriolis flow meter	yES (Premium range)	yES (Core range)
Remote fluid section	yES	yES *
Close loop	yES	NO
High mixing ratio kit (>10:1)	yES	NO
Gun needle on/off trigger	1/2	1 *
EcoGun Cleaner M	yES	yES*
Recipes number	99	9
Remote control	yES	yES
Remote diagnosis	yES	NO
Preparation for dump valve	yES	NO
Pressure range	20 / 160 / 200 bar	20 / 160 / 200 bar
Paint flow regulator (IP version)	yES (2)	NO
Max number of component A	10	5
Max number of component B	3	3
Industry 4.0 ready (automatic station)	yES (Full)	yES (Basic)
Frame	Premium frame	Basic Frame
Atex certification of fluidic section	3G	3G
Drip Tray	yES	NO
Certification	CE or Ul	CE (Ul on demand)
Safety functions	yES (E-Stop push button)	yES (Manual power switch)
Plant safety interface	yES (fire, ventilation, external E-stop)	NO

* available as optional accessories