



DUST DOSING AND CONVEYING SYSTEM

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 ENGLISH





An increased use of recycled wood has raised the amount of silica contained in the wood dust, this generates serious problems of wear to the wood dust dosing and conveying machinery at the plant.

Instaltec dosing bin is equipped with a number of extracting screws which varies according to the dimensions of the bin. The volumetric extraction capacity of the screws is constant, whereas it is possible to adjust the rotation of speed to obtain a quick and precise dosing of wood dust.

Advantages

- **Adjustable speed rotation of the screws for a sharp and quick dosing**
- **Constant extraction capacity of the screws**



Instalmec dosing bin is equipped with a number of extracting screws (special design) calculated in function of its dimensioning. For each screw, moreover, there is a single and independent gearbox unit. Screws volumetric extraction capability is constant: adjusting each rotation speed in the correct way, a sharp and quick dosing is obtained. The dosing bin, nnanly, is equipped with two level sensors that keep the level inside constant. Instalmec’s rotary valve is designed with a high lobes number, reinforced and inclined blades. Those modies, besides decreasing rotating speed, reducing wearing, eliminate the “pulse” allowing a more regular and “uid” combustion, increasing performance in emission control. Instalmec is able so supply erected and tested “turn key” plants, completed with supporting structures, cubicles and instruments.



DUST DOSING ROTARY VALVE

Type	Capacity m³/h	Installed power kW	Injector diameter mm	Total high mm
GDP300	<15	1,1	DN 125	850
GDP400	<30	1,5	DN 150	1080
GDP500	<50	2,2	DN 200	1260

DUST DOSING BIN

Type	Working Capacity Kg/h	Number of screws nr	Installed power kW	Total high mm
BD1	<2500	2	2x1,5	2000
BD2	<5000	2	2x2,2	2500
BD3	<10000	3	3x2,2	3000

Delivering innovation respecting the environment



Instaltec S.r.l. a socio unico

Soggetta ad attività di direzione e coordinamento da parte di IPOEMA 76 FUNDUSZ

Via Malignani, 1 - 33058 San Giorgio di Nogaro - UD, Italy - Phone: +39 0431 626311 - Fax: +39 0431 626300 - sales@instaltec.it - www.instaltec.it