

Belt feeders

Technical specifications

Page 1 of 1

Type: Automatic dosing equipment for bulk materials

Serie: WF

Our “RUDO” belt feeders have a wide application field in automatic dosing and receipt controls, for example, cement, brines, lime slaking and Lix plants agglomerate.

They all have been designed for lone or associated dosing operation, including control system that starting from a common base, it can be configure for each



Model	WF-1000-L	
Description	Light weight belt feeder	
Operation	Bulk material automatic dosing equipment for chemistry, limestone, mining, smelters and food	
Volumetric control in m ³ /hr	from 0,78 a 3,77 with variable frequency drive	
Construction	Standard	Fully enclosed ASTM A36 mild Steel with RAL 6016 6 mills minimum thickness Surface protection
	Optional	Fully enclosed AISI 304 Stainless steel
Distance between head and tail pulleys [mm]	1500 +150 Ref.	
Idlers	Flat 2 or 3"	
Belt width [mm]	457(18")	
Conveyor belt	Standard	Rubber EP400 with 60 mm height side skirts
	Optional	PVC with 60 mm height skirts
Self cleaning	Primary belt scrapper 4 1/2" length blade	
Drive	Geared electrical motor with Variable Frequency Drive	
Nominal power kW	0,37	
Weight bridge	2 single point beam load cells	
Accuracy	1 to 5%	
Velocity sensor	RUDO S2-500/8000	
Misalignment sensor	2 units, one each side of the conveyor	
Safety	Emergency stop button x 4.	
Joint boxes	Standard	Welded to chassis
	Optional	In Pedestal
Control supply	Standard	110V 1Ph 50 or 60 Hz
	Optional	220V 1Ph 50 or 60 Hz
Power supply	Standard	380V 3Ph 50 or 60 Hz
	Optional	460 or 600 3Ph 50 or 60 Hz
Control System	Control cabinet with LCD 4,3" Touch screen	
Communication protocol	Standard	Profibus DP
	Optional	Modbus TCP/IP, Profinet
Calibration System	Standard	Static weight with weight determination certificate
	Optional	Roller chain with weight determination certificate
Dimensions mm	HeightxLengthxWidth	583x2104x880
Net weight	750 kg Standard version	
Additional	Manual guillotine valve	
	Expansion joint	
	Plugged chute sensor	
	Forced venting for electric motor	

Notes:

- 1._Ask for equipment with different required dimensions.
- 1._RDI S.A. reserves the right to modify models, components, specifications and models continuity any moment, any time without previous notification.
- 2._To assure equipment's characteristics, please make a query of RFQ through our attention channels.

RDI[®] S. A.
Process Analyzers Group

