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Machinery and Technology

DOSING BINS WITH SCALE

Flexible metering for precise feeding





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Dosing bins are used for metering and distribution of wood particles: they ensure a constant and flawless feeding of the downstream machines.



They are available in different formats, according to customer needs. Arrangement and configuration are individually studied to comply with each installation scenario.

Particles fed into the bin are gradually levelled by means of rotary combs; the filling level is continuously controlled by means of level switches.

For a perfect control and regulation of the machine throughput according to production requirements, the material is then discharged onto a dosing belt with scale, driven by frequency converter and controlled by an encoder.

Dosing bins include following versions:

"BD" series - equipped with an integrated weighing system, for smaller capacities;

"BDC" series - equipped with levelling screws and front scalping rollers, for bigger capacities.

Advantages:

- excellent accuracy of particle metering;
- compact size with built-in scale;
- low power demand;
- easy calibration and maintenance friendliness.

DOSING BINS WITH SCALE - "BD" SERIES - STANDARD RANGE

| TYPE | Bin volume m ³ | Bin width mm | Length mm | Install. combs no. pcs. | Capacity up to m ³ /h | Dry S.L. t/h bd [1] | Dry C.L. t/h bd [2] | Installed power kW |
|-----------|------------------------------|-----------------|--------------|----------------------------|-------------------------------------|------------------------|------------------------|--------------------------|
| BD 8-4/C | 1,9 | 800 | 7.600 | 4 | 85 | 13,6 | 9,4 | 6,0 |
| BD 10-4/C | 2,4 | 1.000 | 7.600 | 4 | 105 | 16,8 | 11,6 | 6,0 |
| BD 12-4/C | 2,9 | 1.200 | 7.600 | 4 | 125 | 20,0 | 13,8 | 6,0 |
| BD 12-5/C | 3,7 | 1.200 | 8.300 | 5 | 180 | 28,8 | 19,8 | 6,9 |
| BD 14-5/C | 4,3 | 1.400 | 8.300 | 5 | 210 | 33,6 | 23,1 | 6,9 |
| BD 14-6/C | 5,3 | 1.400 | 9.000 | 6 | 230 | 36,8 | 25,3 | 6,9 |
| BD 16-6/C | 6,1 | 1.600 | 9.000 | 6 | 250 | 40,0 | 27,5 | 7,3 |
| BD 18-6/C | 6,8 | 1.800 | 9.000 | 6 | 280 | 44,8 | 30,8 | 7,3 |
| BD 16-7/C | 7,4 | 1.600 | 9.700 | 7 | 300 | 48,0 | 33,0 | 8,4 |
| BD 18-7/C | 8,3 | 1.800 | 9.700 | 7 | 350 | 56,0 | 38,5 | 8,8 |
| BD 20-7/C | 9,2 | 2.000 | 9.700 | 7 | 400 | 64,0 | 44,0 | 8,8 |

DOSING BINS WITH SCALE - "BDC" SERIES - STANDARD RANGE

| TYPE | Bin volume m ³ | Bin width mm | Length mm | Levell. screws no. pcs. | Capacity up to m ³ /h | Dry S.L. t/h bd [1] | Dry C.L. t/h bd [2] | Installed power kW |
|------------|------------------------------|-----------------|--------------|----------------------------|-------------------------------------|------------------------|------------------------|--------------------------|
| BDC 12-240 | 6,0 | 1.200 | 11.500 | 2 | 240 | 38,4 | 26,4 | 13,0 |
| BDC 16-360 | 8,0 | 1.600 | 11.500 | 3 | 360 | 57,6 | 39,6 | 17,0 |
| BDC 20-600 | 20,0 | 2.000 | 14.000 | 4 | 600 | 96,0 | 66,0 | 22,5 |
| BDC 24-700 | 30,0 | 2.400 | 15.500 | 5 | 700 | 112,0 | 77,0 | 27,0 |

Notes

[1] referred to S.L. bulk density of 160 kg/m³ b.d. and moisture content of 3% b.d.

[2] referred to C.L. bulk density of 110 kg/m³ b.d. and moisture content of 3% b.d.

Above data are non-binding and they are provided for information purposes only.



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