



PHARMA MACHINERIES



21/0

ROLL COMPACTOR GMP MODEL



RIDDHI PHARMA MACHINERY LTD.

Manufacturer & Exporters of Pharmaceutical Machineries

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Lab Model Roll Compactor
with hydraulic adjustment

RIDDHI ROLL COMPACTOR
GMP & PLAIN MODEL (RDRC-Mini) MACHINE
(WITHOUT HYDRAULIC GAP ADJUSTMENT)

• **DESCRIPTION :**

Riddhi Roll Compactor is designed for the densification and granulation of powder for the pharmaceutical industries in particular and food and chemical industries in general. It is also ideal for batch or continuous processing variety of materials. By virtue of its construction and design, it ensures easy and quick clean-up and is most ideal for quick product change-over and also prevents contamination from one product to the other.

• **TECHNICAL SPECIFICATIONS :**

1. Model : RDRC – Mini
2. Maximum Output : 1 to 10 Kgs./ Hr.
3. Roll Speed : 2 to 29 RPM Variable
4. Screw Speed : 5 to 86 RPM Variable
5. Roller Motor : 1.5 HP / 3 Phase AC Non FLP Type.
6. Feeder Motor : 0.5 HP / 3 Phase AC Non FLP Type.
7. Product Contact Parts : S.S. 316 Quality.
8. Product Non-Con. Parts : S.S. 304 Covered / Cladded.
9. Type of Rollers : Corrugated & Plain.
10. Roller Size : Dia.100 x 25mm Width
11. Overall Dimensions : 32" x 28" x 60"(H) Approx.
12. Net Weight : 150 Kgs. Approx.

RIDDHI ROLL COMPACTOR MACHINES

MODEL	RDRC 200/50	RDRC 200/75	RDRC 200/100
Output	20 to 60 Kgs./Hr.*	75 to 100 Kgs./Hr.*	100 to 150 Kgs./Hr.*
Roll size	Ø 200 mm. x 50 mm. (W)	Ø 200 mm. x 75 mm. (W)	Ø 200 mm. x 100 mm. (W)
Roll surface (Selection depends upon material characteristics)	** Corrugated ** Knurled ** Smooth ** Briquetted	** Corrugated ** Knurled ** Smooth ** Briquetted	** Corrugated ** Knurled ** Smooth ** Briquetted
Roll speed (Step pulley drive)	5 to 25 RPM	5 to 25 RPM	5 to 25 RPM
Feed screw speed (Variable speed drive)	10 to 60 RPM	10 to 60 RPM	10 to 60 RPM
Roll drive Motor	5 Hp. / 960 RPM. / 440 V. / 3 Ph. / 50 Hz.	5 Hp. / 960 RPM. / 440 V. / 3 Ph. / 50 Hz.	5 Hp. / 960 RPM. / 440 V. / 3 Ph. / 50 Hz.
Feed screw drive motor	2 Hp./1440 RPM. / 440 V. / 3 Ph. / 50 Hz.	2 Hp./1440 RPM. / 440 V. / 3 Ph. / 50 Hz.	2 Hp./1440 RPM. / 440 V. / 3 Ph. / 50 Hz.
Net Weight (Approx.)	1000 Kgs.	1200 Kgs.	1500 Kgs.
Gross Weight (Approx.)	1250 Kgs.	1440 Kgs.	1750 Kgs.
Machine Dimensions (in mm.)	975 (l) x 1100 (b) x 1700 (h)	975 (l) x 1100 (b) x 1700 (h)	975 (l) x 1100 (b) x 1700 (h)
Overall Dimensions (in mm.)	1160 (l) x 1160 (b) x 2032 (h)	1160 (l) x 1160 (b) x 2032 (h)	1160 (l) x 1160 (b) x 2032 (h)

MODEL	RDRC 200/150	RDRC 200/200
Output	100 to 350 Kgs./Hr. *	150 to 400 Kgs./Hr. *
Roll size	Ø 200 mm. x 150 mm. (W)	Ø 200 mm. x 200 mm. (W)
Roll surface (Selection depends upon material characteristics)	** Corrugated ** Knurled ** Smooth ** Briquetted	** Corrugated ** Knurled ** Smooth ** Briquetted
Roll speed (Step pulley drive)	5 to 25 RPM	5 to 25 RPM
Feed screw speed (Variable speed drive)	10 to 60 RPM	10 to 60 RPM
Roll drive Motor	10 Hp. / 960 RPM. / 440 V. / 3 Ph. / 50 Hz.	10 Hp. / 960 RPM. / 440 V. / 3 Ph. / 50 Hz.
Feed screw drive motor	3 Hp. / 1440 RPM. / 440 V. / 3 Ph. / 50 Hz.	3 Hp. / 1440 RPM. / 440 V. / 3 Ph. / 50 Hz.
Net Weight (Approx.)	3000 Kgs.	3250 Kgs.
Gross Weight (Approx.)	3450 Kgs.	3650 Kgs.
Machine Dimensions (in mm.)	2000 (l) x 1100 (b) x 1100 (h)	2000 (l) x 1100 (b) x 1100 (h)
Overall Dimensions (in mm.)	2350 (l) x 1250 (b) x 1300 (h)	2350 (l) x 1250 (b) x 1300 (h)



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