



A.M.P.-Rose

India Pvt Ltd.

**Universal
Batch
Cooker**



**A.M.P - ROSE INDIA PVT LTD
CONFECTIONERY MACHINES**



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Universal Batch Cooker

Description

150kg maximum batch working capacity Vessel construction SS316 internal, SS304 jacket. External finish – bead blast Vessel mounted to tubular or square box section legs/feet.

- 150kg maximum batch working capacity.
- Vessel construction SS316 internal, SS304 jacket. External finish – bead blast.
- Vessel mounted to tubular or square box section legs/feet.
- Anchor type stirrer driven through motor/gearbox with variable speed drive (upto 100rpm).
- Product outlet through bottom of vessel with manual valve.
- Max operating pressure 10 BAR Vessel to be supplied with hydraulic pressure test certificate.
- Typical product temperature 130 degrees C.
- PT 100 temperature probe with digital temperature display.
- Steam pressure gauge.
- Steam reducing inlet valve, adjustable.
- Hinged lid for manual raw material loading, with manual locking device.
- Electrical panel with push-button controls for machine operations

Ordering Information

The machine has the following extras, which need to be specified at the time of ordering

- ⇒ In-built steam raising plant, gas/electric fired.
- ⇒ Motor driven lift/lower mechanism.
- ⇒ Automatic process controls for steam, cook time, temperature etc.
- ⇒ Castors to allow easy machine movement.
- ⇒ PTFE scrapers on stirrer.
- ⇒ Paddle or anchor type stirrers
- ⇒ Vacuum pump

Technical Specification

Particulars	Description
Type	- Vertical, cylindrical, closed
Working capacity	- 200 Ltrs.
Gross capacity	- 350 Ltrs.
MOC	- Contact parts: Ss316, Noncontact parts: SS 304
Hydro test pressure	- Vessel: Full Vacuum to Atm. And Jacket: +15 kg/cm2(g)
Working pressure	- Vessel: Full Vacuum to Atm. And Jacket: +10 kg/cm2(g)
Design Temperature	- 130 deg.C
Top dish	- Type: Torrispherical, MOC: SS 316, ID- 850 mm, Thk: 6mm
Bottom Dish	- Type: Hemispherical, MOC: SS 316, ID- 850 mm, Thk: 10 mm
Shell for bottom hemisphere	- Type: Cylindrical, vertical, MOC: SS 316, ID- 850 mm x Shell height 100 mm, Thk: 6 mm
Shell Flange	- MOC: SS 316, 20 mm thick with groove silicon rubber cord for sealing
Jacket	- SS 304; hemispherical bottom dish 6 mm thick
Insulation (only on jacketed portion)	- 50 mm thick mineral wool
Jacket Cladding	- Hemispherical type, 2 mm thick, SS- 304
Insulation	- 50 mm thick mineral wool
Shell Nozzles	
Outlet/button valve	- 76 mm with butterfly valve, SMS type, manually operated
Hand hole/sight glass	- 300 mm dia, with easily openable cover and sight glass
Vent	- 38 mm with ball valve
Vacuum Nozzle	- 65 NB flanged
Light glass	- Flanged type 125 mm dia.
Spare	- 50 mm with SMS blind union
Tank charging	- 50 mm with SMS union
Top thermowell	- 25 mm with 3.4" dip pipe
Vacuum gauge	
Jacket in	- 25 NB Flanged with steam inlet valve, pneumatically on-off operated.
Jacket out	- 20 NB with TD-3 thermodynamic trap with pass valves.
Jacket vent	- 15 NB with ball valve
Jacket Accessories	- 20 NB JN Marchall make safety valve, Pressure gauge & vent valve.
Surface finish	- INTERNAL: 220 grit mirror; EXTERNAL: 180 grit Matt
Gasket	- SILICON
Support	- SS Tubular leg ending with foot plate, MOC: Ss304, Nos: 04 Nos.
Agitator	- Anchor type with Teflon/nylon scrapers along the inner vessel wall
	- Geared Motor 2 H.P x 60 RPM, BONFIGLIOLI make.
	- Mechanical seal for agitator shaft entry inside vessel
	- SS-304 Mounting stool for geared motor.
Electrical control panel	- SS Panel Box VFD for 2 H.P. agitator motor Temp. indicator cum controller for steam valve.





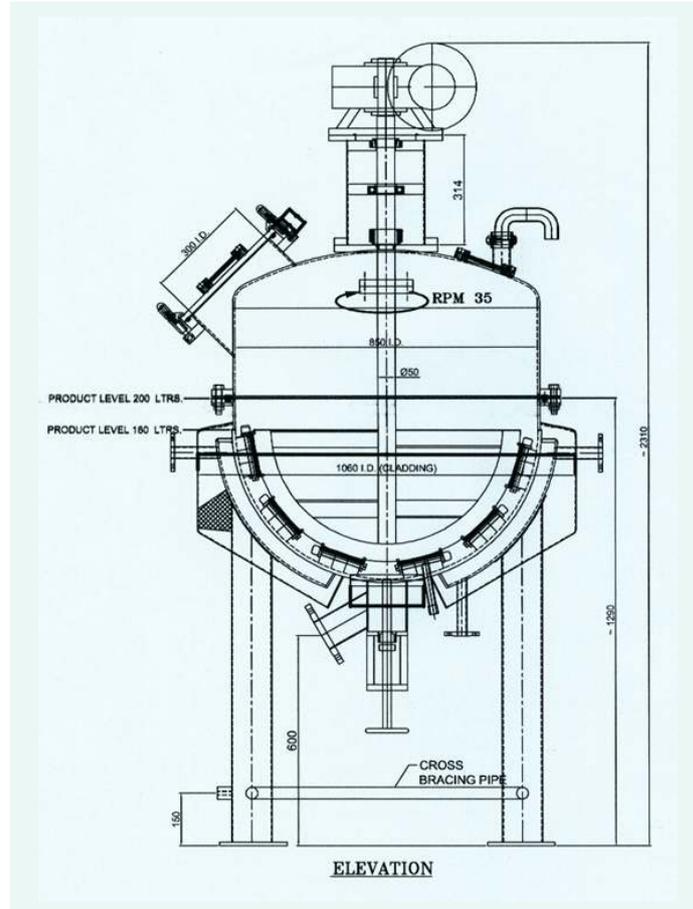
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Floor Plan



A.M.P Rose India Pvt Ltd.

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