



PharmaChem Cosmetics Industries

WE MANUFACTURE MACHINERY & EQUIPMENTS FOR PHARMACEUTICAL, BIO PHARMA, BULK DRUG, FORMULATION, API, AYURVEDIC, HERBAL, FOOD, COSMETIC, CHEMICAL & BEVERAGES INDUSTRIES.

9 B / 14, RAM NAGAR, PREMSAMBANDH CHS, NEAR ASHOK NAGAR ROAD, BHANDUP - EAST, MUMBAI 400 042

SALES : +91 836 952 4009

WEB : www.PharmaceuticalMachineMumbai.com

GST : 27ARUPP3866G1Z1

EMAIL : Pharmachemcosmetics@gmail.com

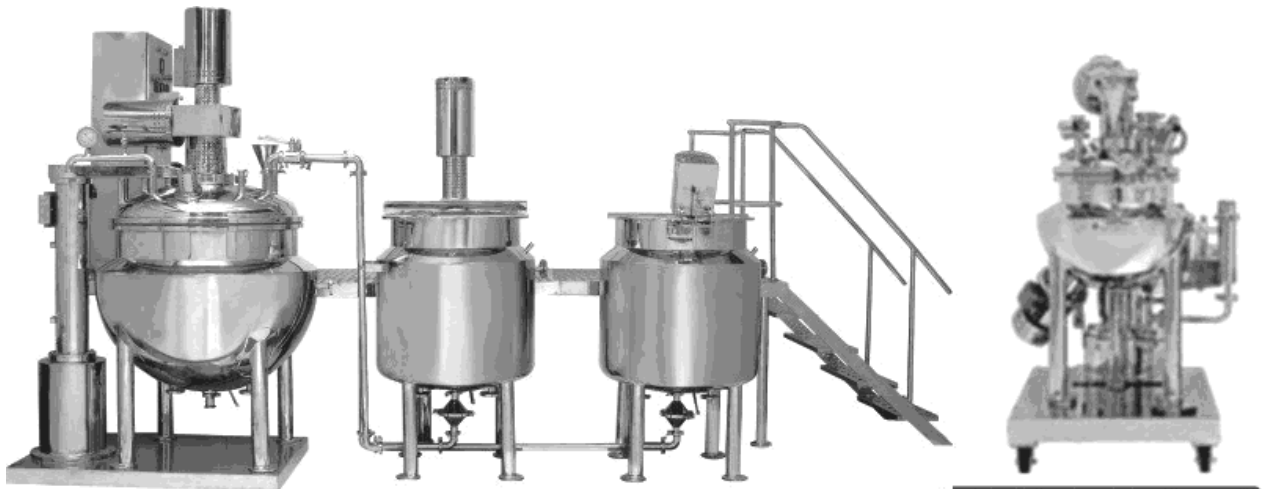


OINTMENT / CREAM MANUFACTURING PLANT

APPLICATION :

PHARMACEUTICALS : CREAMS, GELS, STERILE & NON STERILE OINTMENTS AND BIOTECH PRODUCTS.

COSMETICS : GOLD CREAMS, HAIR DYE CREAM, CONDITIONERS, LOTIONS, GELS, MASCARA MAKE - UP, SHAMPOO, TOOTH PASTE.



Technical Feature:

Pilot/Single Mfg. Vessel

MAIN VESSEL

- Choice of various type of anchor design. Homogeniser (option) — Top Entry, side Entry, Bottom Entry with circulation facility.
- Hydraulic lid lifting for fast & easy cleaning of top dish & vessel. Load Cell for fast & accurate measuring system.
- Flexible product transfer pipe & fitting in case of load cell & hydraulic lifting. VFD for Anchor agitators to vary the RPM.
- VFD for Homogeniser to vary RPM.
- Specially Design drives assembly.

WAX VESSEL

- Open top with top Entry agitator Cowl disc type or paddle with Slow Speed Anchor. Close top with top/bohom entry agitator Cowl disc type or propeller type stirrer.

WATER VESSEL

- Open top with top entry propeller stirrer. Close top with boïom or top entry propeller.

COMMON FEATURE :

- The main function are mixing and emulsifying. This in the broader sense means producing very fine emulsions,
- Jacket have heating & cooling with temperature contra! with Safety equipment. Electro polished Pipeline
- and joints are TG standard for easy opening & re-fixing.

VESSEL & INTER CONNECTING PIPELINE :

- No Air contamination. / Human contamination Cleaning In Place cycles with validation protocols.



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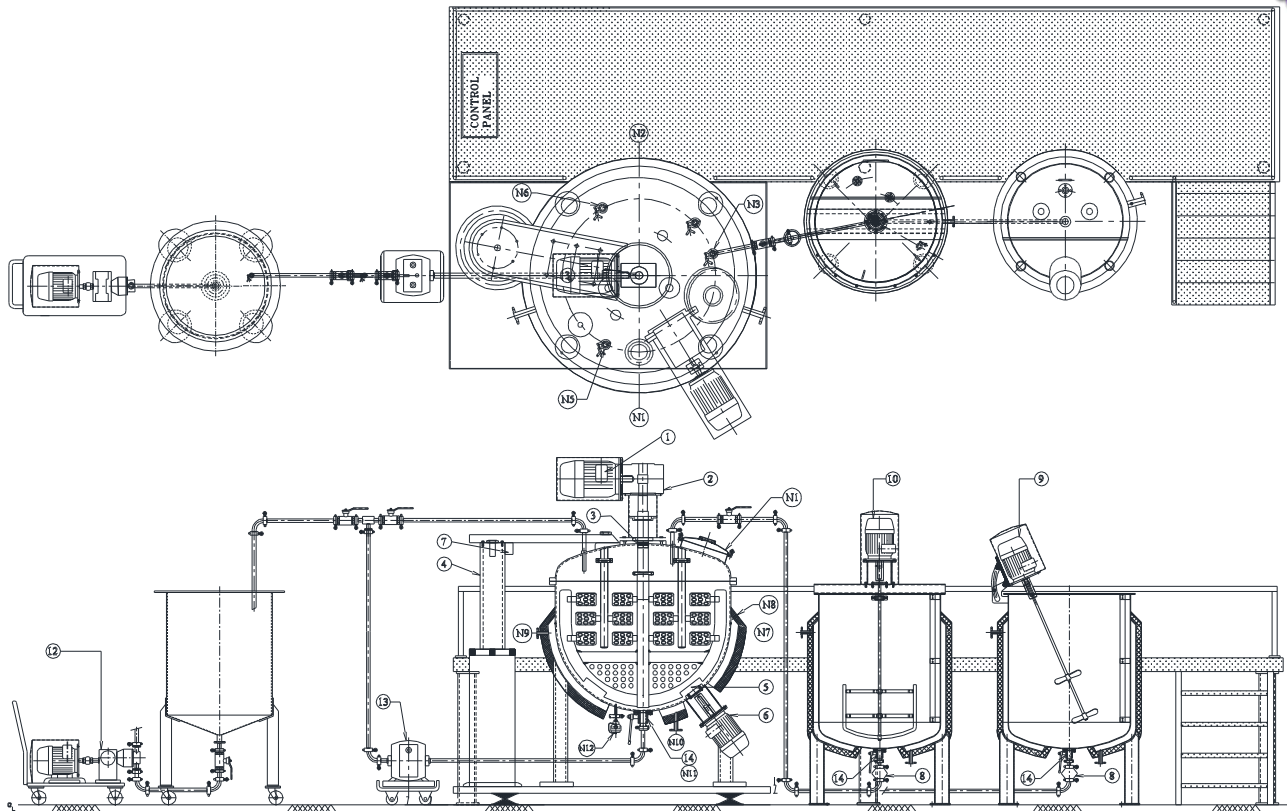
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14	FLUSH BOTTOM VALVE	3	STD.
13	BUMP PUMP WITH MOTOR	1	FOOT
12	METERING PUMP WITH MOTOR	1	FOOT
11	VACUM PUMP WITH MOTOR	1	FLANGE
10	GEAR MOTOR (REMI MAKE) FOR WAX VESSEL	1	FLANGE
9	MOTOR (CROMPTON) FOR WATER VESSEL	1	FOOT
8	CONICAL FILTER T.C. END	2	SS 316
7	LIMLT SWITCH (SIEMENS MAKE)	1	STD.
6	MOTOR (CROMPTON) FOR HOMOGENIZER	1	FLANGE
5	BOTTOM ENTRY SEAL FOR HOMOGENIZER	1	SS 316
4	HYDRAULIC CYLINDER STD.	1	STD.
3	TOP ENTRY SEAL FOR ANCHOR	1	SS 316
2	GEARBOX (BONFIGLIOLI) FOR ANCHOR	1	STD.
1	MOTOR (CROMPTON) FOR ANCHOR	1	FLANGE
SR..NO.	DESCRIPTION	QTY.	MAT.

N12	TEMP.SENSOR (PT100)	1	SS 316	FLG.
N11	PRODUCT OUTLET	1	SS 304	FLG.
N10	COOLING WATER INLET	1	SS 304	FLG.
N9	COLLING WATER OUTLET	1	SS 304	T.C.
N8	AIR VENT	1	SS 304	FLG.
N7	ELETRICAL HEATER	1	---	--
N6	SPARE	1	SS 316	T.C.
N5	RECIRCULATION	1	SS 316	T.C.
N4	WAX PHASE INLET	1	SS 316	T.C.
N3	WATER PHASE INLET	1	SS 316	T.C.
N2	LIGHT GLASS	1	SS 316	FLG.
N1	HANDHOLE/ SIGHT GLASS	1	SS 316	FLG.
N.NO.	DESCRIPTION	QTY.	MAT.	REMK

We design, manufacture and supply the complete customized automated Ointment/Cream Plant as per the latest cGMP norms with the required Qualification Documents as per the requirements. The oil and water phase mixers have exactly the same construction. There's a



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high Ointment Plant Consist the Following Equipment's and Accessories. speed disperser mounted from the top/bottom of the cover which helps to dissolve the ingredients.

- Manufacturing Vessel
- Wax Phase Vessel
- Water Phase Vessel
- Storage Vessel
- Vacuum Pump
- Control Panel
- Product Piping
- Working Platform

FEATURES

- High sanitary standard Design & Manufacturing
- Internal surface Mirror polished to less than 0.5 Micron RA
- Double Speed contra-mixing slow agitator with step less speed control
- Inbuilt/Inline High speed Homogenizer
- Hydro Lift top covers
- SS 316L contact parts & SS 304 Non-contact parts
- High standard Automation System
- Qualification Documentation like DQ, FAT & Protocols of IQ & OQ
- Smooth processing with low shear force
- Teflon scrapping mechanism with Agitator
- Internal/External re-circulation system
- Fine distribution range 10 – 1 Micron
- 50L to 10000L with viscosities up to 1,00,000 cPs



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ADVANTAGES

- To avoid hand touch & contamination
- Saving precious batch processing time
- Lower maintenance cost, as no moving components used

OPTIONAL FEATURES

- Load cell for accurate weighing
- PLC based control panel / SCADA for process automation
- FLP System can be provided

APPLICATIONS

- Lotion/Cream
- Delicacies
- Hair Cosmetics Products
- Skin Cosmetics
- Gels
- Emulsions
- Lotions
- Tooth Paste
- Jams
- Dressings

OINTMENT CREAM, LOTION, SHAMPOO, TOOTHPASTE MANUFACTURING PLANT

MODEL	WORKING CAPACITY (KGS)	GROSS CAPACITY (KGS)	AGITATOR/ ANCHOR		HOMOGENIZER /PROPELER		OVERALL HEIGHT WITH LID		OVERALL WIDTH
			RPM	KW	RPM	KW	BEFOR	AFTER	
PCI-OM-50	50	60	5 to 25	1	0-2800	2	1570	2150	1300



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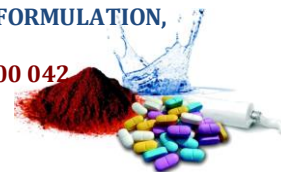
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			RPM	KW	RPM	KW	BEFOR	AFTER	
PCI-OM-100	100	120	5 to 25	1	0-2800	2	1900	2500	1450
PCI-OM-200	200	240	5 to 25	2	0-2800	5	2200	2800	1550
PCI-OM-500	500	600	5 to 25	5	0-2800	10	2450	3050	1750
PCI-OM-750	750	900	5 to 25	7.5	0-2800	15	2650	3250	1900
PCI-OM-1000	1000	1200	5 to 25	7.5	0-2800	15	3000	3600	1950
PCI-OM-2000	2000	2400	5 to 25	15	0-2800	20	3650	4350	2200
PCI-OM-5000	5000	6000	5 to 25	20	0-2800	25	3900	4550	2700
PCI-OM-10000	10000	12000	5 to 25	50	0-2800	50	4990	5600	3200





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