



# PharmaChem Cosmetics Industries



WE MANUFACTURERS 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](http://www.PharmaceuticalMachineMumbai.com)

GST : 27ARUPP3866G1Z1

EMAIL : [Pharmachemcosmetics@gmail.com](mailto:Pharmachemcosmetics@gmail.com)



## LIQUID SUGAR SYRUP PLANT



**MODEL AVAILABLE : 500 LTRS 5000 LTRS CAPACITY**

**The plant is designed to be operated by one operator and one helper, saving on precious man power costs. Sugar syrup and Syrup manufacturing vessels are provided with Jacket for heating and cooling, designed for internal vacuum to facilitate transfer of sugar directly from stores to sugar syrup vessel.**

**Sugar syrup is transferred to manufacturing vessel through online sugar syrup pre filter by vacuum. Entry of all propeller agitators are from bottom through a specially designed cartridge mechanical seal with TC / TC face**

**The advantage of the bottom propeller agitator over the conventional agitators that there are no vibration of shaft, No couplings in the drive assembly. Leading to lower maintenances cost.**

**Pipes, pipe fittings and valves are of SS316, seamless internally electro polish with TC union and silicon gaskets, Manhole of all the vessels are equipped with davit fitting and the cover of the manhole slides instead of being lifted.**



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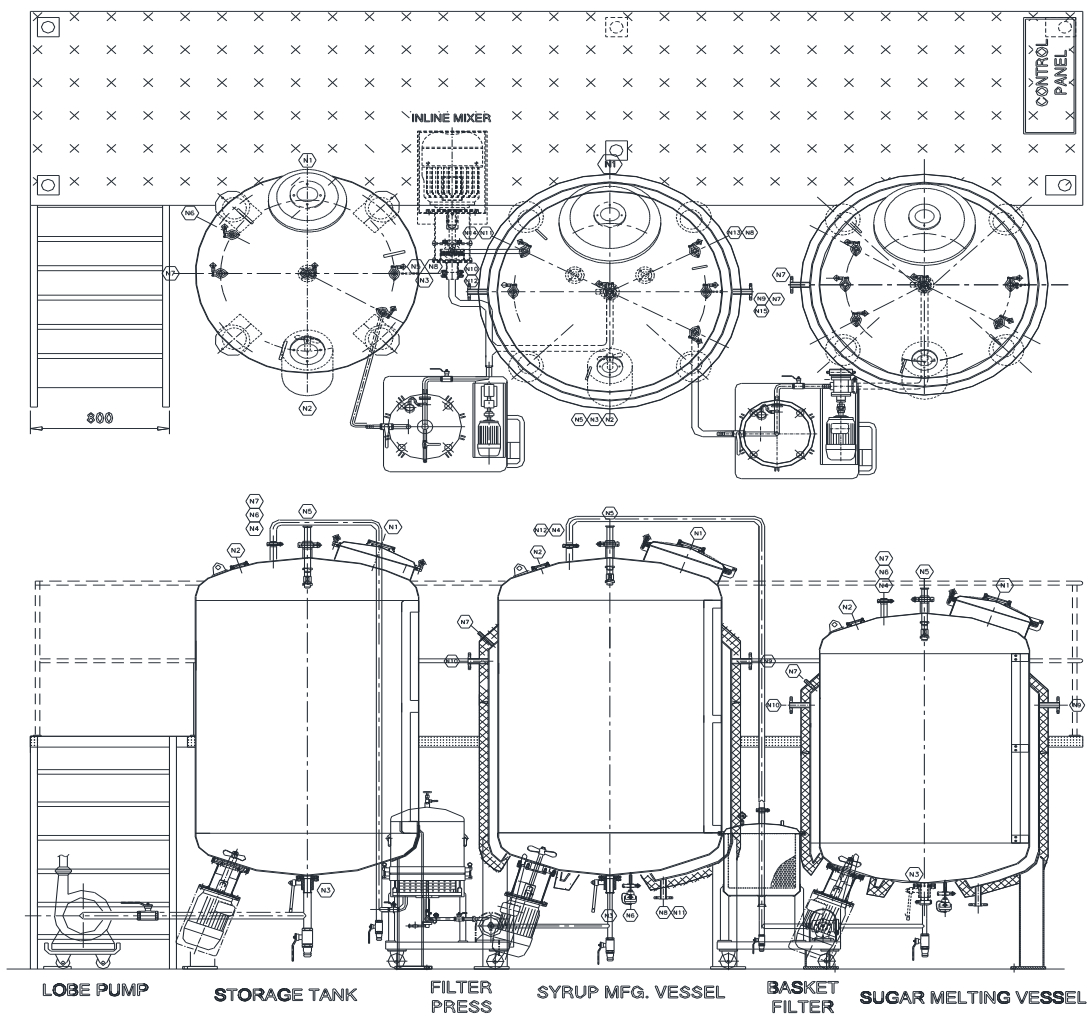


## PHARMACHEM COSMETICS INDUSTRIES CONTROL :

Values like current product temperature are displayed digitally on the electrical control panel.

The mechanical seal is equipped with a water circulating and has a water detection sensor which trips the motor. If water circulation the seal is interrupted.

Load cell & plc system also provided on client Request



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## SUGAR MELTING VESSEL

N13	SPARE	1 1/2" O.D.	1	SS 316	TC.
N12	PURE WATER INLET	1 1/2" O.D.	1	SS 316	TC.
N11	STEAM OUTLET	1" NB	1	SS 304	FLG.
N10	STEAM INLET	1" NB	1	SS 304	FLG.
N9	WATER OUTLET	1" NB	1	SS 304	FLG.
N8	WATER INLET / DRAIN	1" NB	1	SS 304	FLG.
N7	VENT	3/8" B.S.P.	1	SS 304	THD.
N6	SENSOR	PT100	1	SS 316	TC.
N5	CIP INLET CONNECTION	2 1/2" / 1" O.D.	1	SS 316	TC.
N4	FILTER SUGAR INLET	1 1/2" O.D.	1	SS 316	TC.
N3	PRODUCT OUTLET	1 1/2" O.D.	1	SS 316	FLG.
N2	LIGHT GLASS	100NB	1	SS 316	FLG.
N1	MANHOLE WITH SIGHT GLASS	I.D.450 - 100NB	1	SS 316	FLG.
N.NO.	DESCRIPTION	SIZE	QTY.	MAT.	REMK

## SYRUP MANUFACTURING VESSEL

N14	SPARE	1 1/2" O.D.	1	SS 316	TC.
N13	INLINE INLET	1 1/2" O.D.	1	SS 316	TC.
N12	PURE WATER INLET	1 1/2" O.D.	1	SS 316	TC.
N11	STEAM OUTLET	1" NB	1	SS 304	FLG.
N10	STEAM INLET	1" NB	1	SS 304	FLG.
N9	WATER OUTLET	1" NB	1	SS 304	FLG.
N8	WATER INLET / DRAIN	1" NB	1	SS 304	FLG.
N7	VENT	3/8" B.S.P.	1	SS 304	THD.
N6	SENSOR	PT100	1	SS 316	TC.
N5	CIP INLET CONNECTION	2 1/2" / 1" O.D.	1	SS 316	TC.
N4	FILTER SUGAR INLET	1 1/2" O.D.	1	SS 316	TC.
N3	PRODUCT OUTLET	1 1/2" O.D.	1	SS 316	FLG.
N2	LIGHT GLASS	100NB	1	SS 316	FLG.
N1	MANHOLE WITH SIGHT GLASS	I.D.450 - 100NB	1	SS 316	FLG.
N.NO.	DESCRIPTION	SIZE	QTY.	MAT.	REMK

## STORAGE TANK

N7	SPARE	1 1/2" O.D.	1	SS 316	TC.
N6	PURE WATER INLET	1 1/2" O.D.	1	SS 316	TC.
N5	CIP INLET CONNECTION	2 1/2" / 1" O.D.	1	SS 316	TC.
N4	FILTER SUGAR INLET	1 1/2" O.D.	1	SS 316	TC.
N3	PRODUCT OUTLET	1 1/2" O.D.	1	SS 316	FLG.
N2	LIGHT GLASS	100NB	1	SS 316	FLG.
N1	MANHOLE WITH SIGHT GLASS	I.D.450 - 100NB	1	SS 316	FLG.
N.NO.	DESCRIPTION	SIZE	QTY.	MAT.	REMK

FILTER PRESS : Ø 14" BASKET FILTER WITH GEAR PUMP

FILTER PRESS : 14" x 10 PLATE ZERO HOLD UP WITH CENTRIFUGAL PUMP

INLINE MIXER : 10 HP 2880 RPM

5	PLATFORM	1	SS 304	CLADDED
4	2 HP WITH LOBE PUMP	1	STD.	CLADDED
3	3 HP MOTOR WITH STIRRER	1	SS 316	
2	5 HP MOTOR WITH STIRRER	1	SS 316	
1	3 HP MOTOR WITH STIRRER	1	SS 316	
S.N.	DESCRIPTION (SIZE)	QTY.	MAT.	REMARK

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## ZERO HOLDUP FILTER PRESS

Types	Diameter of Plate	No. of Plates	Filtering Area M2	Cake Capacity	Output Ltr / Hr
PCI 8 x 6	8"	6	0.1886 m2	4.34 liters	400
PCI 8 x 8	8"	8	0.2260 m2	5.79 liters	500
PCI 14 x 8	14"	8	0.6130 m2	27.78 liters	1000
PCI 14 x 10	14"	10	0.7960 m2	34.72 litersS	1200
PCI 18 x 12	18"	12	1.745 m2	78.01 liters	4000
PCI 18 x 15	18"	15	2.169 m2	40.50 liters	5000
PCI 18 x 23	18"	23	3.338 m2	63.49 liters	7000
PCI 24 x 10	24"	10	2.53 m2	142.56 liters	9000
PCI 24 x 18	24"	18	4.37 m2	113.12 liters	16,200
PCI 24 x 13	24"	13	3.22 m2	185.33 liters	11700
PCI 24 x 24	24"	24	5.75m2	150.81liters	21000

### CENTRAL FEEDING OF UNFILTERED LIQUID ENSURES :

- SINGLE PASS CLEAR FILTRATION.
- FULL BATCH RECOVERY OF THE FILTERATE.
- NO SCAVENGING OF THE FILTERATE.
- COMPLETE CAKE RETAINS ON THE PLATE.
- UNIFORM DISTRIBUTION OF CAKE ON EACH PLATE.
- REDUCE THE COST OF TREATMENT OF CATALYST, TOXIC CHEMICALS.
- LESS EXPOSURE TO THE OPERATING PERSON.
- NO CONTAMINATION OF THE INTERNAL SURFACE OF THE SHELL.