Saratech

Saratech Consultants & Engineers
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Saratech
consultants & engineers

PIONEER IN SOLVENT INDUSTRY

Late Sh. N. B. Nambiar (Founder)

About us

In 1987 Sh. N.B. Nambiar incepted M/s. SARATECH CONSULTANTS & ENGINEERS as manufacturer & Supplier of SOLVENT EXTRACTION PLANT having an ambition to lead this organisation as PIONEER in this field with his excellence and experience of about 30 years.

Today 'Saratech' has become a Brand Name in oil field in India and overseas by excuting most successful 205 plants (Continuous & semi continuous plants with capacity of 50 TPD to 1000 TPD.

Our Solvent Extraction Plants are effectively running at our customer site and are resulting in less hexane loss (Max.1.5 Ltrs. per ton on Rice Bran, 2 ltrs. on Sun Flower oil cake & 3.5 ltrs. on Mustard Cake). We have effectively executed over 155 projects of solvent extraction and have modernized over 50 solvent extraction plants for proficient working and best results.

Backed by the well-equipped workshop at Karnal (Haryana) along with the expertise of our professionals has enabled us to offer the best to our clients and thus enjoy an enviable position in the industry.

Best service, high quality, competitive price, timely delivery is our philosophy. We have been able to build a huge client base across India. Our conscientious efforts have enabled us to expand our business, and attain 100 percent client satisfaction. Fully cooperating on the basis of equality and mutual benefit with foreign partners, we sincerely hope to become trusted supplier and partner in China, Russia, South Africa, Vietnam, Nigeria, Malaysia, Bangladesh, Indonesia and Eqypt in the mechanical field.

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Solvent Extraction Plant

Fulfilling our customer's needs in best possible manner, we are engaged in the manufacturing, exporting and supplying of Solvent Extraction Plant. Solvent Extraction is a process to extract the oil from oil-bearing material by means of Solvent, called Hexane a petroleum bye product.

With rich industrial experience, we have been successful in providing robust, operator friendly, flexible for easy change over of the process material and with inbuilt safety features plant.

Horizontal in construction, the Solvent Extraction Plant through out the world has adopted horizontal design of extractor. This extractor efficiently works on counter current, moving bed principal with variable bed height and variable speed mechanism permitting excellent penetration and percolation of solvent for absolute extraction. The extractor conveyor operating at low speed ensures low maintenance.

Distillation takes place under vacuum and desolventising of meal is done in liberally designed desolventiser Toaster. For adequate recovery of solvent appropriate capacity, condensers and vent air stripping system are provided.

Our Solvent Extraction Plants are successfully running at our client's site and are resulting in less hexane loss (Max.1.5 Ltrs. per ton on Rice Bran, 2 ltrs. on Sun Flower oil cake & 3.5 ltrs. on Mustard Cake). This has been duly possible with the assistance of Solvent Extraction Technology.

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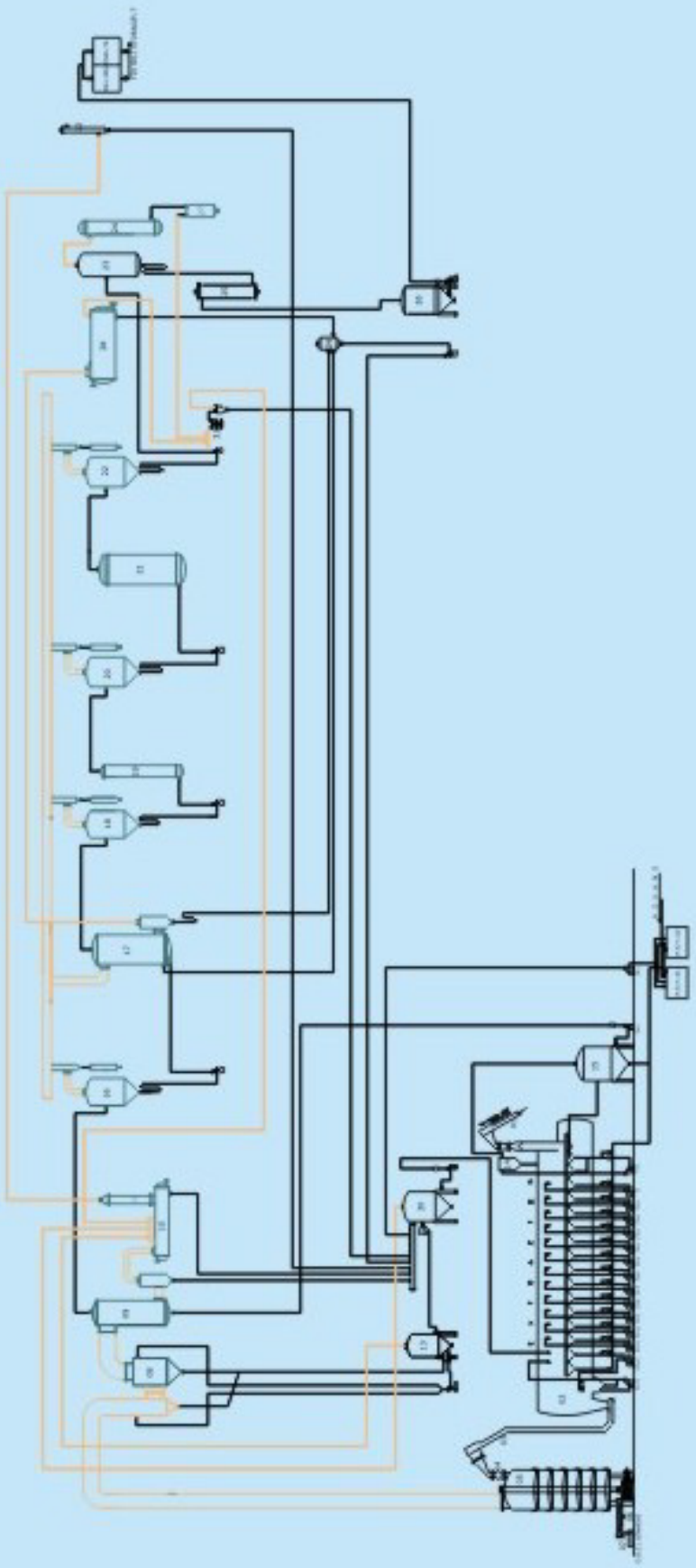
FLOW CHART OF SOLVENT EXTRACTION PROCESS



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THE PROCESS OF SOLVENT EXTRACTION

The process in brief constitutes treating the raw material with solvent hexane resulting in a solution of solvent and oil. This solution, known as miscella, is further subjected to distillation and stripping to separate the oil and the solvent. The extracted meal containing solvent is made free from its solvent contents by a process called desolventisation and the solvent in vapour form from distillation, oil stripping and meal desolventisation is condensed in condensers, collected and reused for further extraction.

The following stages are involved in the process of solvent extraction : -

i) Preparation of raw material for extraction
ii) Extraction of oil from the pre-processed raw material
iii) Removel of solvent from the extracted material.
iv) Distillation of solvent from the miscella.
v) Stripping of oil to remove traces of solvent.
vi) Condensation of all solvent vapours in condensers to receive the solvent for further use.
vii) Solvent recovery by absorption from vent air through Chilling section.
viii) Bagging of de-oiled meal and filling of finished product oil in containers.

Solvent Extraction Plant
Capacity 700 TPD

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Solvent Extraction Plant
Capacity 800 TPD,

Internal View
Solvent Extraction Plant

View of Steam Header
Solvent Extraction Plant

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STANDARD PARAMETERS OFFERED BY US IN OUR CONTINUOUS SOLVENT EXTRACTION PLANT

CONSUMPTION OF

RAW MATERIAL	STEAM	SOLVENT	POWER	RESIDUAL OIL
a) Rice Bran 18% oil content	300 Kg/T	1.5 Lit/T	25 UNITS/T	0.5%
b) Sun Flower oil cake with oil 8% with 5mm or less thickness	250 Kg/T	2 Lit/T	30 KW/T	0.5%
c) Soyabean with oil 18% flaked to thickness 0.5mm	350 Kg/T	3 Lit/T	45 KW/T	0.5%
d) Mustard cake with oil 8-10% with 5mm or less thickness	350 Kg/T	3 Lit/T	45 KW/T	0.5%

QUALITY EXTRACTED OIL

Flash point	:	Above 120 Deg. C.
Moisture Content	:	Below 0.5%
Volatiles in oil	:	Below 0.1%
Impurities	:	Below 0.1%

ABOVE FIGURES ARE SUBJECT TO :-

1. The temperature of the required quantity of cooling water is at or below 30 deg. C.
2. The cooling water is made available at commercial zero hardness
3. The plant being run with un-interrupted supply of power, cooling water, steam, and required quantity of raw material.
4. Food grade Hexane being used as solvent for extraction.

Our Achievements

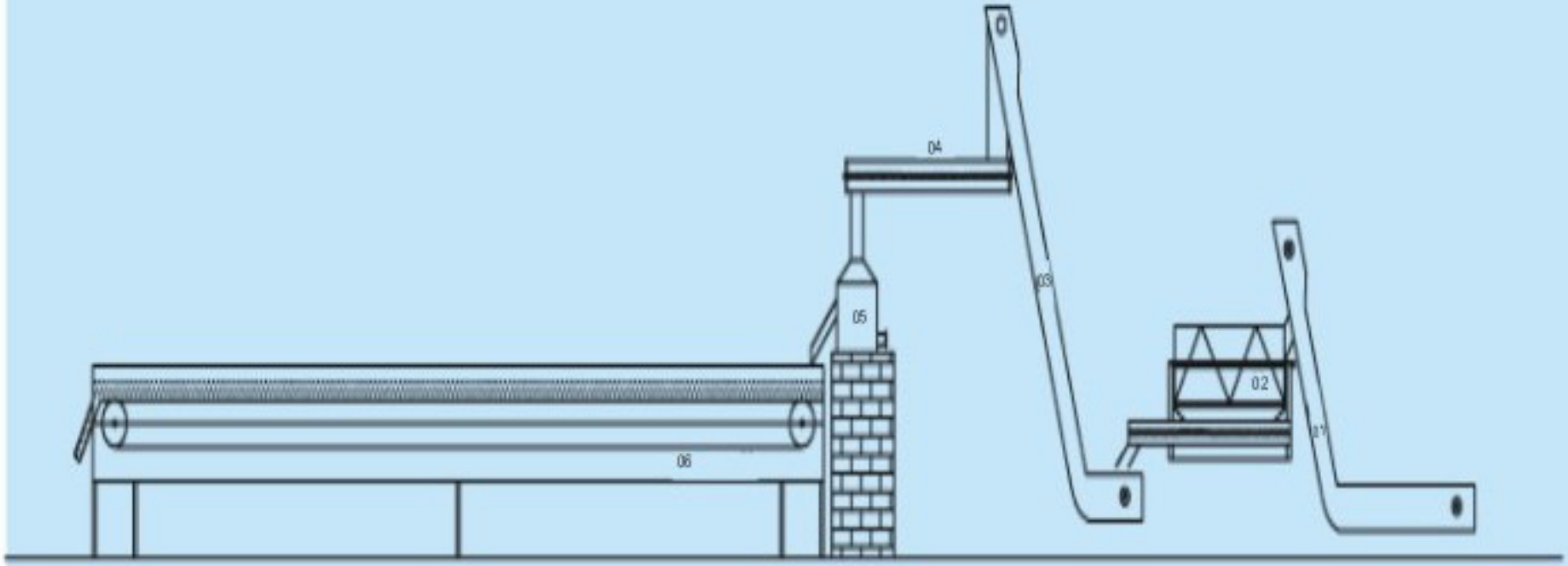
Backed by rich industrial experience and scrupulous efforts of our professionals, we have carved a niche for ourselves in the industry as undisputed leaders of Oil Refinery Plant and Solvent Extraction Plant. Extensive research and development facilities backed by our engineering excellence enabled us to set our strong foothold in the competitive market. We are continuously growing from strength to strength and have come a long way in achieving a notable position in the industry.

Our achievements are enlisted below:

Introduction of solvent recovery from vent air through Chilling Section	
Introduction of Low Temperature Distillation	
Introduction of trouble free bulk conveyor	- Modified Design
Enhanced miscella filtration and higher purity	- Modified Design
Enhanced bleach ability of oil	- Modified Design
Steam consumption	- Less as per comparatively with other Plants
Hexane loss	- Less as per comparatively with other Plants
Power consumption	- Less as per comparatively with other Plants

PREPARATORY SECTION FOR RICE BRAN

01. RICE BRAN FEED CONVEYOR
02. ROTARY SEIVE
03. RICE BRAN 2nd FEED CONVEYOR
04. BRAN CONDITIONER
05. PELLETISER
06. PELLET COOLER



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PREPARATION OF RAW MATERIAL FOR EXTRACTION

The preparation of raw material is of great significance for efficient and through extraction of oil in the solvent extraction plant. Raw materials used for extraction of oil are (a) Rice Bran ((b) Oil cakes (c) Oil Seeds.

(a) Rice Bran, which is obtained as a bye product in Rice milling by polishing the outer layer of rice (cuticle) after dehulliing, is a floury material and contains oil varying from 15% to 20% by weight. The pelletising of rice bran helps in quicker extraction and efficient desolventisation of de-oiled meal. Rice bran is sieved to remove lumps, iron pieces, and foreign matter in a rotating sieve, before it is fed into the cooker conditioner by means of a redler conveyor. Rice Bran is treated with live steam in the cooker
conditioner to convert the powdery material into pellets.

(b) Oil seeds like ground nut, mustard, sunflower, mohwa, neem, safflower etc. may be pre processed through decorticator /pre-press machines to obtain oil cakes and partial recovery of oil.

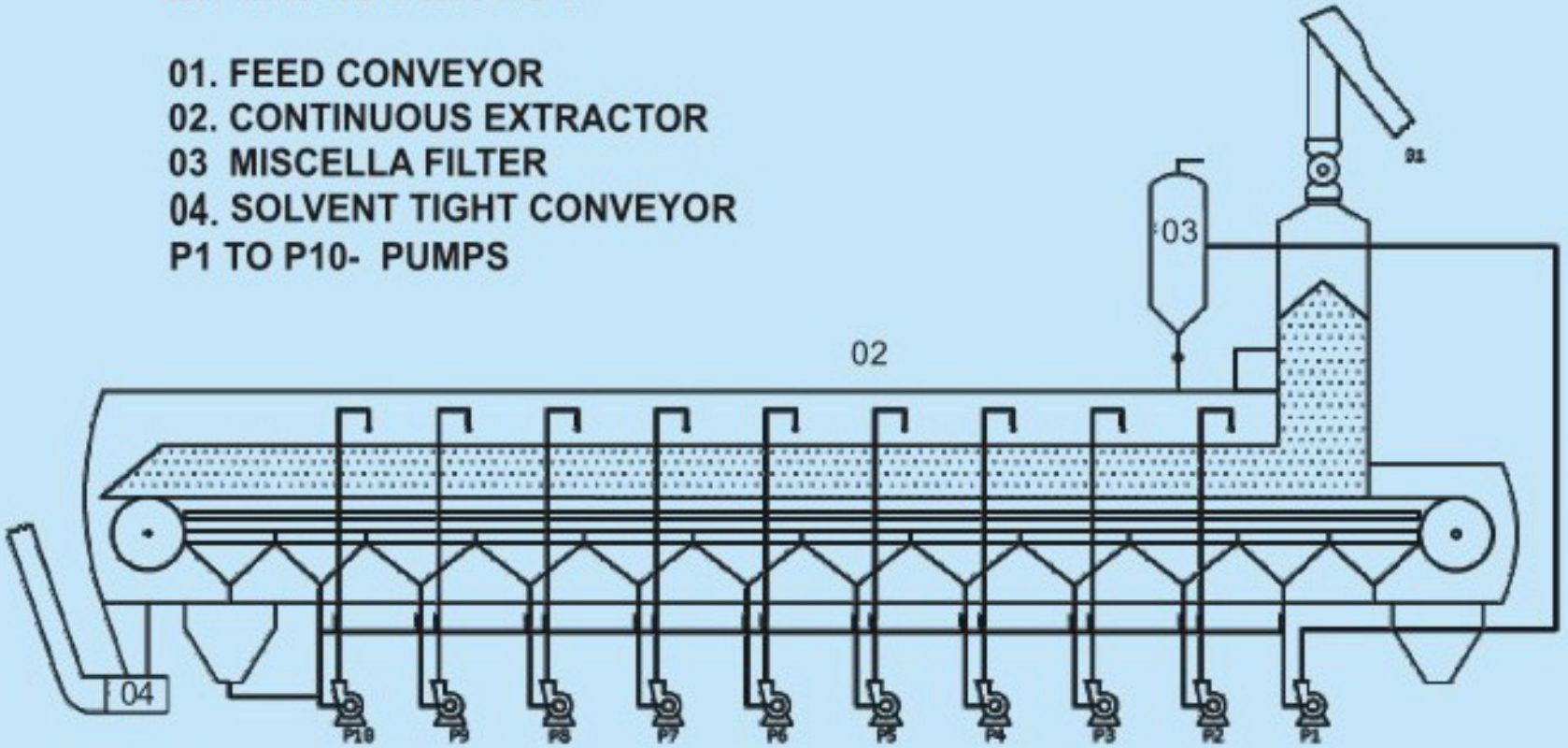
Oil cakes having thickness of 5mm to 6mm may be extracted without cake sizing. Oil cakes having higher thickness have to be sized into smaller bits for better extraction. Cake sizing helps in faster extraction thereby increasing the processing capacity.

(c) Oil seeds like mustard, soyabean, sun-flower etc. may be subjected to extruding with heat and moisture. Extrusion helps to break the cell wall of the seeds, reduces the formation of fines, increases the porosity and permeability, and also increases the extraction capacity upto 50%. Rice bran also can be treated in expander-extruder where the product in the form of pellets.

The prepared raw material in the form of pellets is dried and cooled in a current of air before conveying to the plant.

EXTRACTION SECTION

01. FEED CONVEYOR
02. CONTINUOUS EXTRACTOR
03 MISCELLA FILTER
04. SOLVENT TIGHT CONVEYOR
P1 TO P10- PUMPS



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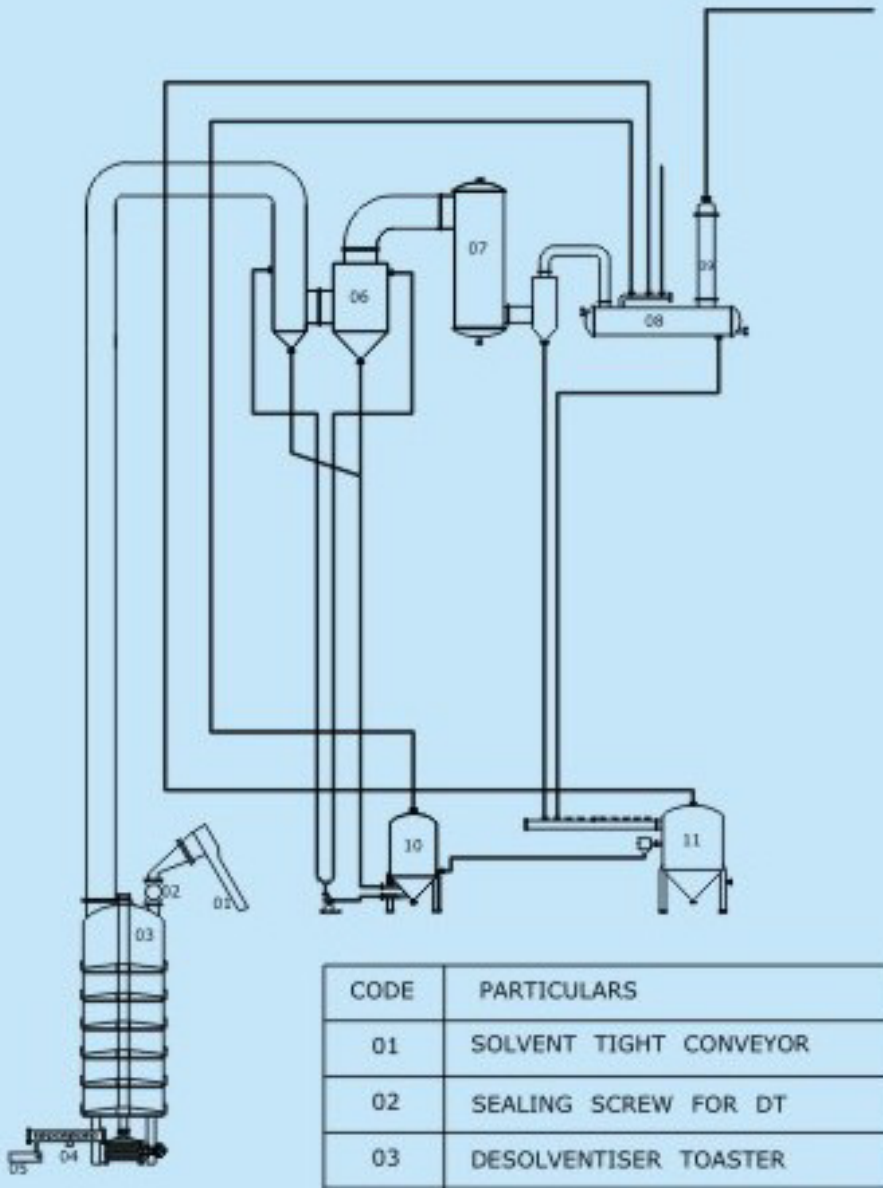
CONTINUOUS EXTRACTION

The extraction is done in a horizontal continuous percolation extractor having moving perforated endless belt without compartment which carries the flakes or pellets on its surface. The raw material is fed continuously from the preparatory section into the extractor at the feeding end by means of a redler conveyor through a rotary valve which acts as an air lock. The bed height of the raw material can be adjusted by means of level controller. The extractor belt is linked by means of cadre frame with perforated sheets and porous stainless steel wire cloth. The mass of raw material having a height varying from 900mm to 1800mm depending on the oil content, and moving at a slow speed along with the belt is washed continuously at various point with miscella of decreasing concentrations and finally with fresh and pure solvent in a counter current manner by means of sprayers. The miscella percolates through the meal and the perforated screen and collects in the various hoppers separated by ridges which serve as barriers for back flow of the miscella. Each hopper has its own pump, sprinkling solvent on the material bed with miscella collected in it by percolation through the material and belt.

The outgoing material receives fresh solvent in front of the last hopper. The last hopper receives the entrained solvent which is pumped back to the previous section spraying over the incoming material. The bed of material acts as a natural filter for clarifying the full miscella with very little sediments.

The deoiled meal falls into a discharge hopper which feeds the solvent tight conveyor to be taken into Desolventiser-Toaster. The deoiled meal at the discharge end of extractor will have a solvent content ranging from 20% to 30% depending upon the raw material used and its oil content will be below 0.5% on solvent/moisture free basis.

MEAL DESOLVENTISATION SECTION



CODE	PARTICULARS
01	SOLVENT TIGHT CONVEYOR
02	SEALING SCREW FOR DT
03	DESOLVENTISER TOASTER
04	DISCHARGE SEALING SCREW
05	DOC CONVEYOR
06	DUST COLLECTOR
07	HEAT EXCHANGER
08	D.T. CONDENSOR
09	VENT CONDENSOR
10	WASTE WATER HEATER
11	SOLVENT WATER SEPARATOR

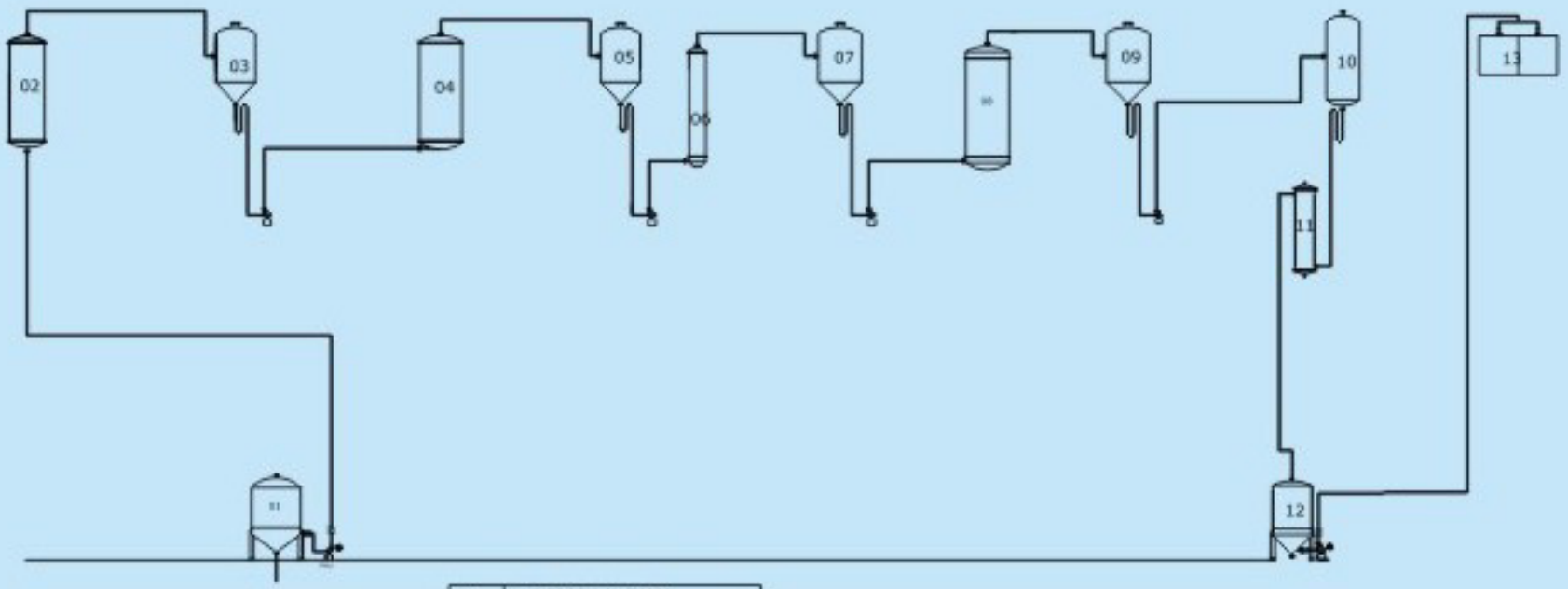
DESOLVENTISATION OF EXTRACTED MEAL

After complete extraction, the extracted meal having absorbed solvent.20%to30%by weight, is fed into the Desolventiser Toaster for removal of solvent. In this Desolventiser, the material is heated up to 110 Deg. C. by jacket steam as well as live steam and the absorbed solvent is evaporated under reduced pressure.

Seeds like soyabean and cotton seed require toasting after desolventisation and therefore are desolventised and toasted in Desolventiser Toaster (D.T.).The D.T. consists of a vertical cylindrical vessel with horizontal jacketed compartment and a central rotating vertical shaft fitted with sweeping blades in each compartment. The diameter of the DT and the number of compartment depend on the processing capacity of the plant. The diameter varies from 1.5 meter to 5 meter and the stages from 4 to 8. The material to be desolventised is fed into the top compartment where it is subjected to open stream for heating. Plant of open steam is absorbed in the meal at the time of evaporating the solvent. The meal may be subjected to further heating in the second and third compartment also for efficient desolventisation.

In the lower compartment the material is slowly heated to 100Deg. C to 110 Deg, C., thus cooking the material to drive out the extra moisture and toasting the material before it leaves the DT. The extracted meal continuously fed into the top compartment moves to the second compartment and from this to third and so on to the last compartment. The solvent and water vapour from various compartments are led to the surface condensers for condensation through vapour ducting via a dust catcher and a heat exchanger

DISTILLATION SECTION



01	MISCELLA TANK
02	HEAT EXCHANGER
03	FLASHER
04	HEAT EXCHANGER
05	FLASHER
06	FLASH STEAM HEATER
07	FLASHER
08	HEATER
09	FLASHER
10	STRIPPER
11	OIL COOLER
12	OIL RECEIVER
13	FINAL OIL TANK

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DISTILLATION OF MISCELLA

The final (full) miscella from the extractor is taken into a miscella tank from where it is pumped to shell and tube evaporator columns for recovery of solvent from miscella. The miscella first enters a heat exchanger where it is preheated by means of hot solvent and water vapours emanating from Desolventiser to save heat energy. This reduces the requirement of heat energy by 50% for the separation of solvent from miscella. From the heat exchanger, the concentrated miscella enters the evaporator columns (Distillation unit) where the miscella is subjected to surface heating by steam.

The solvent vapourises in the flasher (Cyclone separators) at the top of evaporator and the vapours are led to the condensers for condensing through the vapour duct. The rich concentrated miscella from the first evaporator, then enters into the similar second evaporator having lesser heat transfer area are through the bottom and is further heated by surface heating to raise the temperature to about 80 Deg. C and to bring down the solvent content in the oil below 5%.

DESOLVENTISATION OF OIL

The oil from the distillation unit enters the final high vacuum stripper from the top. The oil is splashed down over the top S.S.tray fixed inside the stripper and trickles down to bottom trays in a zig zag movement and is desolventised by live steam entering at the bottom by counter current flow of oil and steam. The oil completely desolventised and free of moisture collects at the bottom and falls into oil receiver from where it is pumped out to oil batching tank kept at the top, from where it flows to oil storage tanks by gravity.

CONDENSATION OF SOLVENT VAPOURS

The condensers are of shell and tube type with multiple pass for coolant water. The hot solvent vapours enter the condensers and are cooled and condensed by cooling water (Temperature below 30 Deg.C) through the tubes. The cooled and condensed liquid solvent with traces of water enters the hexane receiver from where it is pumped to the solvent water separator. Solvent separated from water flows to the hexane chamber from where it is reused for extraction. Water separated at the bottom is continuously drained out into the safety water boiler for recovery of traces of solvent before the water is let out.

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Solvent Extraction Plant
Capacity 200 TPD,

View of Pump Section
Solvent Extraction Plant

View of Water Header
Solvent Extraction Plant

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Solvent Extraction Plant
Capacity 500 TPD,

Internal View
Solvent Extraction Plant

Internal View
Solvent Extraction Plant

OUR PRESTIGIOUS CUSTOMERS

Competing on extreme customer services, we have became a trusted partners of our valuable clients spread across the globe. Ever since our inception, we have been earnestly working to offer maximum client satisfaction with our quality range and turnkey solutions. Our in-house design unit is constantly involved in conceptualizing innovative ideas for our Refinery Plant and Solvent Extraction Plant in compliance with the international quality and safety standards.

Some of the prestigious clients we been associated with are enlisted below:

A. G. Fats Ltd., Nakodar Road, Kapurthala , Punjab
A.G.Fats Limited, (Unit No.II) Nakodar Road,Kapurthala (Pb)
A.G.Fats Limited, (Unit No.III) Nakodar Road,Kapurthala (Pb)
A.P.Solvex Ltd., Village Mannwala, Saron Road, DHURI (Pb).
A.P.Solvex Ltd.(Unit-II), Village Mannwala, Saron Road, DHURI (Pb).
A.P.SOLVEX LTD (UNIT-III), Jakhal Road,Sunam (Pb).
A.P.Refinery (P) Limited, Jalandhar Road, Jagraon (Pb)
A.S.Solvent Extractions (P) Ltd.,Tanda Badli, RAMPUR (U.P)
Aar Kay Chemicals (P) Ltd., Ludhiana Road, Malerkotla (Pb)
Aarti Extractions (P) Ltd, G.T.Road, Chandauli (UP).
Aarti Extractions (P) Ltd.(UNIT-II), Chandauli (U.P)
Advaita Developers and Promoters Pvt. Ltd., Nagpur Raod, Jabalpur.
ABM Solvex, Bathinda Road, RAMPURA PHUL (Pb)
Aditi Edible oil (P) Ltd, 40 Weston Sreet, KOLKATA.
ADITI OIL EXTRACTION (P) LTD, Kuchut, Distt. Burdwan (WB).
Aggarwal Solvent Extractions,Bisalpur Road,PILIBHIT (U.P).
Anandamayee Solvent Extraction P. Ltd. Gushkara, Burdwan (W.B).
Arohul Foods Pvt.Ltd Assam Road, Bahraich.(UP)
Arohul Foods Pvt.Ltd (UNIT-II), Assam Road, Bahraich.(UP)
Astha Industries (P) Ltd, Raebareli (U.P).
Avadh Solvex (P) Ltd. Bishunpur Rahu, BAHRAICH (U.P)
Avadh Solvex (P) Ltd.(UNIT-II), Bishunpur Rahu,BAHRAICH (U.P)
Ayusman Refinery Pvt/ Ltd, Nazrapur, Kannauj (UP)
Bala Sundari Agro Industries, Nissing, Distt.Karnal(HR).
B.T INDUSTRIES (P) LTD,Sitapur Road,Lucknow (UP)
Beni Agro Products (P) Ltd. Khambhat, Gujarat.
Beni Agro Products (P) Ltd., Sirhind, Distt.Fatehgarh (Pb).
Bharati Tel Udyog,Sainthia, Distt.Birbhum, (W.B)
Bhaskar Oil Industries, Distt. Kutch,Gujarat.
Cethar Food Oil Ltd.,Tiruchi, Tamilnadu.
Chaudhary Edibles (P) Ltd, Hindpur, Distt.Ananthapur (AP)
Chaudhary Solvex (P) Ltd.,Chandigrh Road,TOHANA (Haryana)
Cheeka Solvent (P) Ltd., Cheeka, Distt.Kaithal (HR).
CLRK Industries (P) Ltd, Kakinada Andhrapradesh.
D.M.Agro Industries, Baghapurana, Distt. Moga (Pb)
Dashmesh Oil & Vanaspati Allied Industries, MAKHU (Pb).
DATAJI FOOD PRODUCTS P.LTD. Distt. Burdwan (W.B.)
Deep Solvents (P) Ltd.,Village Daula, Barnala (Pb)
Deva Rice Mills, Village Chappar, AHMEDGARH (Pb)
Devgan Solvex (P) Ltd., Sangrana Sahib, AMRITSAR (Pb)

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Dhanlaxmi Agro Pvt. Ltd, Beria Road, Bazpur, Uttarakhand.
Dhillon Oils & Fats Pvt. Ltd, Phul Road, Rampuraphul (Pb).
Dhillon Oils & Fats Pvt. Ltd,(Unit-II), Phul Road, Rampuraphul (Pb).
Diamond Solvex (P) Ltd., JANDIALA GURU, Distt.Amritsar (Pb).
Enn Emm Associates (Formerly Aman Solvex) Batala Road, AMRITSAR (Pb).
Faithfull Commercial Ltd, GIDA, Gorakhpur (UP)
Galaxy Foods (Regd.) Village Kutail, Karnal.(Haryana)
Ganesh Solvex Oil Mills, Ludhiana Road, MALERKOTLA (Pb).
Ganga Solvent (P) Ltd.,(Formerly Shivalik Oils & Foods) Kichha, (U.K).
Garg Agrifoods Pvt. Ltd,Puranpur, Pilibhit (UP).
Geol International Pvt,. Ltd. Tarori Haryana
Goyal Solvents Ltd., Village Cheeka, Distt.Kaithal.
Goyal Solvents, Bhedpuri Road, Samana, Distt.Patiala (Pb).
Hari Kewal (P) Ltd., Sunam,Punjab.
HCS Foods Limited,Ludhiana Road,Machhiwara-Punjab.
J. J. Solvex Pvt. Ltd. Grain Market road Samana Mandi (PB.)
J.P.Food Oil Company, Jundla, Karnal (Hr).
J.R.Agro Industries Pvt. Ltd ,Faizabad.(UP)
Jagdish Oil Industries Ltd, Ahmedabad.
Jai Durga Oil Extraction (P) Ltd Bilaspur (Chatisgarh)
Jai Durga Oil Extraction (P) Ltd (Unit-II),Bilaspur (CG)
Jai Parkash Solvents (P) Ltd., Madlauda, Distt.Panipat (Harynana)
Jai Shanker Solvex & Gen.Mills,Kaithal Road,Cheeka.(HR)
Jain Udyog, Jind Road, KAITHAL,
Jhunjhunwala Oil Mills Ltd., Saranath, VARANASI (U.P).
Jhunjhunwala Refineries, Saranath (U.P)
Jhunjhunwala Vanaspati Ltd., Village Nanpur, Distt.Junpur (U.P)
Jindal Refineries (P) Ltd., Kashipur (U.P.)
K.C.Edible Oils (P) Ltd,Shahjahanpur U.P.
K.L.Solvex (P) Ltd., Village Kakara, BHAWANIGARH,Distt.Sangrur (Pb).
Kaimith Solvex (P) Ltd.,Jangi Road, MIRZAPUR (U.P).
Kaithal Solvent (P) Ltd., Kaithal Road, CHEEKA (Har.)
Kalia Oils & Fats (P) Ltd., Malerkotla Road, KHANNA (Pb).
Kamdhenu Cattle Feed (P) Ltd (KAPILA- Pashu Aahar) Kanpur Dehat, U.P.
KAMLA OIL & FATS P.LTD. Vill-Saha, Distt. Ambala (HR)
Kohinoor Solvex (P) Ltd.,Vill. Satipura, HANUMANGARH (Raj.)
Krishna Rice Mills (P) Ltd., Unit No.II, Nakodar Road,KAPURTHALA (Pb)
Kundan Edible Products Ltd, Vill. Khushkheda, Bhiwadi, Distt. Alwar (Raj.).
Kurukshetra Foods (P) Ltd.,Barara Road, SHAHABAD-M (HR).
L.D.Solvex Pvt. Ltd., Bhawanigarh Road, SAMANA, (Pb).
Lakshmi Overseas Industries Ltd, Khamaon (Pb)
Luxmi Solvent Industries, G.T.Road, SHAHABAD MARKANDA (Hr)
Maa Mundeshwari Oil Pvt. Ltd, Chandauli (UP).
Madhavi Edible & Bran Oil Pvt. Ltd. Distt. East Godavari.
Mahabir Industries, G.T.Road,TARAORI, Distt.Karnal (HR).
Mahabir Solvents, Barara Road,SHAHABAD MARKANDA.(HR)
Mahabir Techno, Village Umri, Distt.Kurukshetra (HR)
Mahabir Veg. Oils Pvt. Ltd, G.T.Road, Taraori (Haryana).
MAHADEV SOLVENT P. LTD., Masana, Distt. Kurukshetra (HR).
Majumder Bran Oil Mills Ltd. , Jessore, Bangladesh.
Mangla Solvex (P) Ltd., Kakarwal Road, DHURI (Pb).
Marigold Allied Corporation, Jagraon, Punjab
Markfed Vanaspati & Allied Ind.G.T.Road, KHANNA (Pb).
Narendra Agro Oils (P) Ltd., Ajnala Road, AMRITSAR (Pb).
Nath Solvent Extractions (P) Ltd,Village Mohra, G.T.Road, Ambala (HR)
Parkash Solvex Ltd., Ahmedabad.
Parkash Solvex Ltd., Nakodar Road,KAPURTHALA (Pb)
Partap Furane (P) Ltd., Village Mohra,AMBALA CITY.
Parvati Industries (P) Ltd, Dholka Road, Bavla (Gujarat)
Pee Pee Agro Industries (P) Ltd.,Hissar Road, AMBALA CITY.
Pee Pee Agro Oils (P) Ltd.,Village Dhurkera,AMBALA CITY.
Pratap Cashew Co.Kochupilamoodu,QUILON-1(Kerala)
R.S. Solvent Extraction Ltd, Jind Road, Kaithal, Haryana.
Rajnee Agroils Ltd. Pipli Road, LADWA (Hr.)
Ram Niwas Flour Mills (P) Ltd., Mishripur, LUCKNOW.
Rama Oil & General Mills Ltd, KOTTA. (Raj).
Rama Pashu Aahar (P) Ltd,Siyana Road,Bulandshahar (UP).
Ritish Agro Pvt. Ltd, Malerkotla Road, Khanna, Punjab
Rose Merry Solvent Extraction Ltd,Durgawati, Kaimur,Bihar
Ruchi Soya Industries Ltd,P.O.Durgawati,Bihar.
Rudrapur Solvents (P) Ltd,Kichha road,Rudrapur.(Uttarakhand)
Rudrapur Solvents (P) Ltd,(Unit-II),Kichha road,Rudrapur.(Uttarakhand)
Rungta Industries (P) Ltd, Gorakhpur (U. P.)
S. N. G. AGRO P. LTD.Rania Industries Area, Kanpur Dehat, U.P.
S. P. Solvent,Kashipur Road, RUDRAPUR (U.P).
Sai Shakti Agrotech Pvt. Ltd, Industrial Area, Pithampur, Distt.Dhar (M.P).
Sameer Extractions (P) Ltd., Puranpur, Distt.Pilibhit (U.P)
Sanjay Solvex (P) Ltd., Focal Point, KHANNA (Pb).
Sanjay Solvex (P) Ltd.,(Unit-II), Focal Point, KHANNA (Pb).
Saraswati Solvex (P) Ltd., BHIKHI, Distt.Mansa (Pb)
Sardar Solvex Pvt. Ltd., Malerkotla Road, Nabha (Pb).
Satnam Oils (P) Ltd.,Patran, Distt.Patiala (Pb)
Savitri Solvent, Hissar Road, Ambala City (Hr.)
Sawaria Food & fats. Karnal Road, Nissing, Haryana.
Shakti Agric Foods (P) Ltd, Moti Chirai, Distt. Kuchchh (Guj)
Shakti Food Oil (P) Ltd, Safidon Road, Assandh (Hr.)
Sheel Chand Agro (P) Ltd Kichha Road, Rudrapur, UK.
Shiva Proteins Product Pvt. Ltd, (Unit of A.P.S Ltd) Mansa (Pb)
Shiva Solvex & General Mills, Beni Road, Amloh. (Pb)
Shree Ganesh Edible (P) Ltd Village Shahpur, Khanna (Pb)
Shree Ganesh Edibles (P) Ltd(UNIT-II), Vill. Shahpur,Khanna (Punjab)
Shree Ganesh Solvex (P) Ltd Village Shahpur, Distt.Fatehgarh Sahib (Pb)
Shree Jagdamba Solvent, Gharaunda, Distt.Karnal (HR).
Shree Markanda Metal India (P) Ltd., Village Saha, Distt.Ambala.
Shri Ganesh Ji Udyog, Focal Point, Khanna (Pb)
Shri Krishna Agro Industries, Agondh Road, Nissing Distt. Karnal, HR.
Shri Shri Niwas Ji Oil Refiners(P) Ltd., Rae Barely (U.P)
Shri Vitrag Extractions, Pehowa Road, Dhand. Haryana.
Shrishti Agro Products (P) Ltd., Karnal Road, NISSING,Distt.Karnal.
Shyam Solvent Industries, Nayi Mandi, KARNAL.
Solvex Edibles (P) Ltd,Kemri Road,Bilaspur (UP)
Solvex Oils & Extractions, Nagla Chowk, Meerut Road,KARNAL.
Sri Durga Agro Oils (P) Ltd, Varanasi (U.P.)
Sri Lakshmi Narasimha Exports Industries, Korrapad, , Distt.Cuddapha (A.P)
Star Solvent, Shivpuri Road, KARNAL.
Sukhbir Agro Energy Ltd, Gazipur (UP)
Sukhbir Agr oils (P) Ltd, Faridkot Road, Guruharsahai (Pb).
Superior Air Products Ltd. Tanda Badli, Distt.Rampur (U.P)
Suryansh Agro, Naini, Allahabad (UP).
Sushil Kumar Vijay Kumar,Islampur Road, RAJPURA (Pb).
Swastik Solvent Products (India) Ltd., RUDRAPUR (U.P)
T.C.Agro (P) Ltd., Ismilabad, Pehowa (Hr)
T.R.Solvent Oils (P) Ltd., Village Dundsa,Faridabad.
Tilak Oils (P) Ltd., Village Allawalpur,JALANDHAR CITY (Pb.)
TIRUPATI SOLVENT EXTRACTION & REFINERY P.LTD. HARDOI-U.P.
Triveni Agrocon (P) Ltd.,Gannaur,Haryana
Universal Agro Food Industries,Dholka, Ahmedabad, Gujatrat
Universal Infra & Agri Oils (P.) Ltd. Sarua Industrial Estate, Bhubaneswar.
Vasavi Solvents, Gooty Road, GUNTAKAL (A.P)
Vohra Solvex Pvt. Ltd,Sadiq Road,Faridkot (Punjab)
VPS Agro Oils (P) Ltd.,Village Khanpur Kolian, Distt.Kurukshetra.
Yash Laxmi Solvent (P) Ltd,Durgawati, Kaimur, Bihar