

EXCEL PRESSURE SAND FILTER



Palm Oil Mill Equipment Specialist

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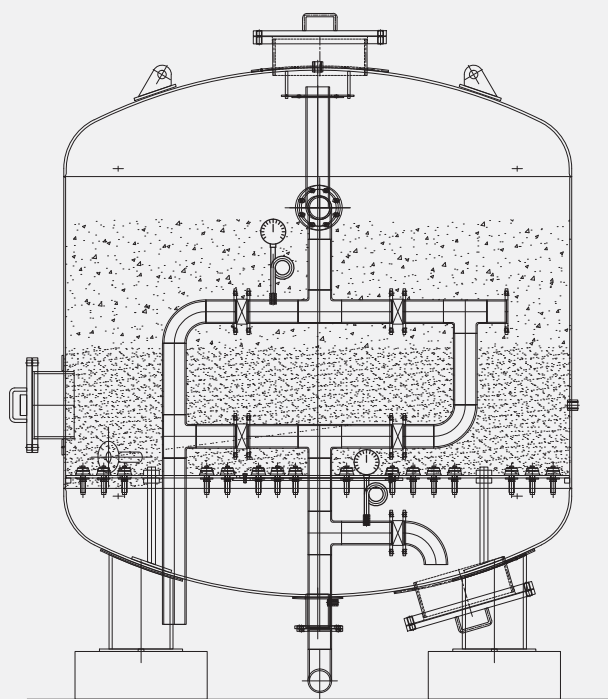


PRESSURE SAND FILTER

MAIN FEATURES

Pressure Sand filters are used for water purification at water treatment plant in Palm Oil Mill and also for others industry.

SPECIFICATION



- Designed and fabricated to ASME code for Unfired Pressure Vessel.
- Mild Steel or Stainless Steel for shell and dished end.
- Complete with frontal piping and butterfly valves, filter nozzles, multi media sand and gravel.
- Internal surface to be sand blasted to SA2 ½ and painted with 2 coats Epoxy food grade paint.
- Working pressure: 350 kPa to 500 kPa.
- All flanged nozzles to be provided with matching flanges and bolt and nuts.
- Design drawing to be approved by D.O.S.H. Malaysia.
- Well design bottom distribution system c/w quality PP nozzles ensures uniform distribution flow of water through.

For further information, please contact sales office, or:



Excelmech Engineering Sdn. Bhd. (Company No. 862039-X)

Lot 2828, Jln Kelkati 32/168, Off Jln. Sri Gambut Bukit Naga,
Seksyen 32, 40460 Shah Alam, Selangor Darul Ehsan, Malaysia.
Tel: 603-5167 1589 Fax: 603-5167 2588
E-mail: contact@excelmech.com.my



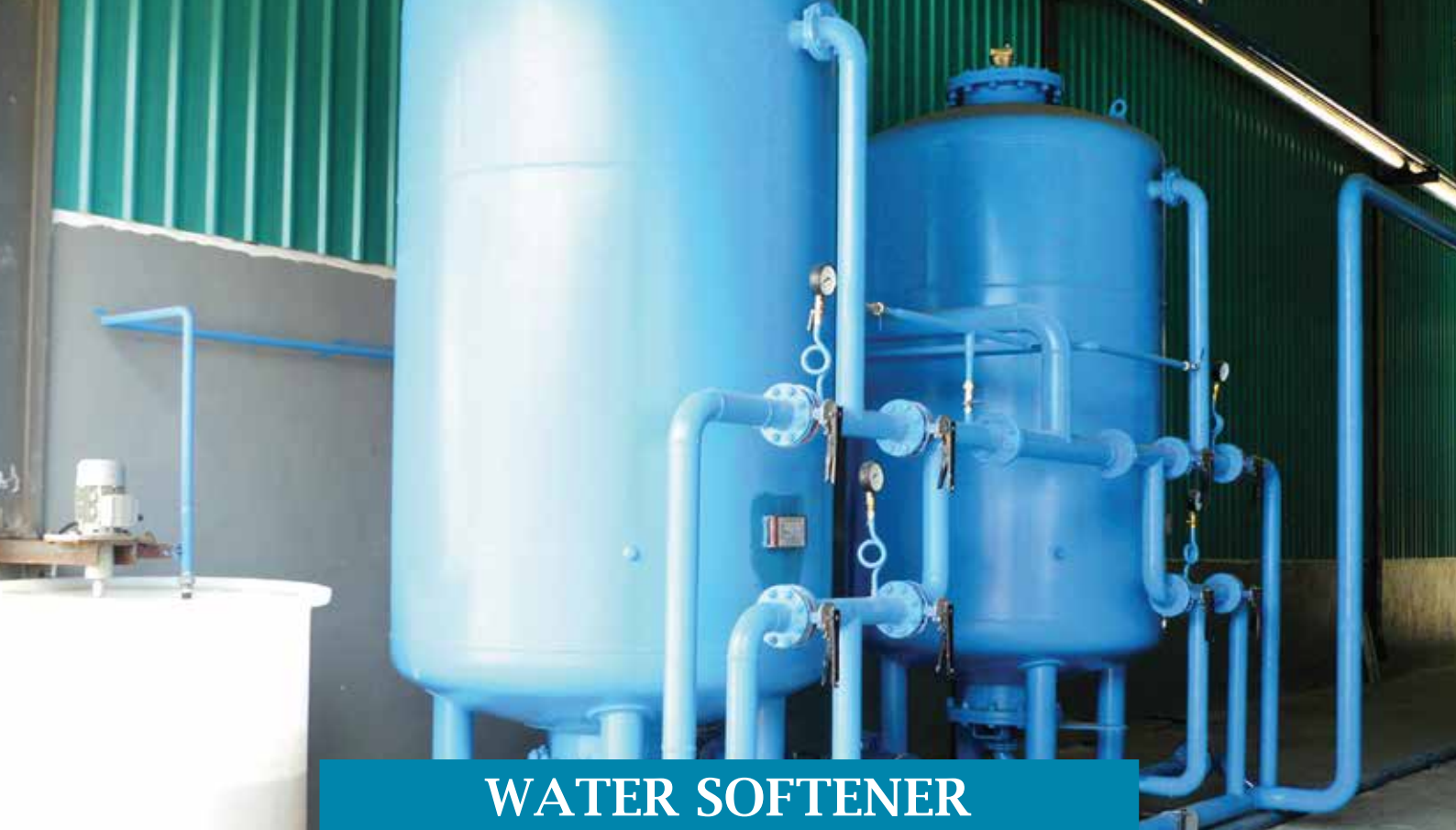
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EXCEL WATER SOFTENER



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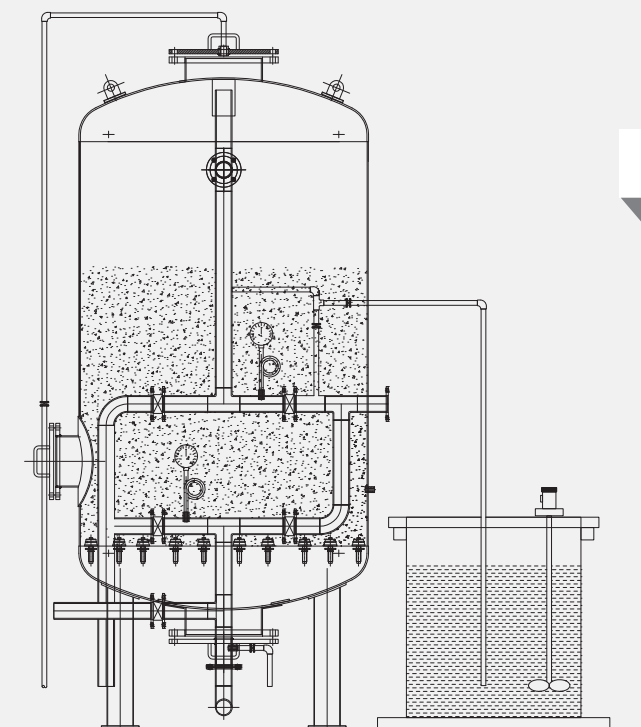
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WATER SOFTENER

Water Softener is used to remove minerals such as calcium, magnesium, and certain other metal cations in hard water. Reducing the tendency of scale being formed in equipment such as Boiler, pipelines, and engine jackets.

DESCRIPTION



- Designed and fabricated to ASME code for Unfired Pressure Vessel.
- Mild steel and stainless steel for shell and dished end.
- Complete with frontal piping and butterfly valves, filter nozzles, resin.
- Internal surface to be sand blasted to SA2 ½ and painted with 2 coats Epoxy food grade paint.
- Working pressure: 350 kPa to 500 kPa.
- All flanged nozzles to be provided with matching Flanges and bolt and nuts.
- Design drawing to be approved by D.O.S.H. Malaysia.
- Well design bottom distribution system c/w quality PP nozzles ensures uniform distribution flow of water through the resin bed.

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SCAN ME

EXCEL VACUUM DEAERATOR



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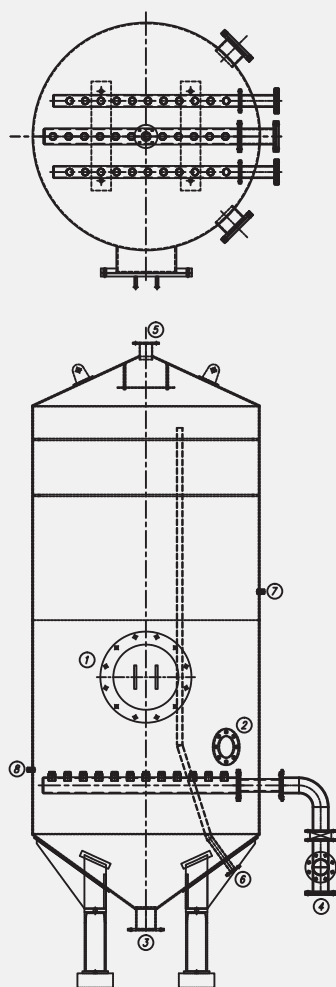


VACUUM DEAERATOR

SPECIFICATION

Design Code	: ASME SECT. VIII DIV 1
Working Pressure	: Vacuum
Design Pressure	: Vacuum
HT Pressure	: 130 kPa
Medium of Service	: Hot Water
Joint Efficiency	: Shell 0.7 (Table UW-12) Conical Head 0.7 (Table UW-12)
Capacity	: Range from 5 tons to 40 tons

DESCRIPTION



Nozzles:

1. Manhole	5. Ejector connection
2. Sight glass	6. Vapour Outlet
3. Water outlet	7. Vacuum Gauge
4. Water inlet	8. Level Gauge

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SCAN ME

EXCEL THERMAL DEAERATOR



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THERMAL DEAERATOR

SPECIFICATION

Design Code	: ASME Section VIII Div. 1
Design Pressure	: 350 kPaG
Design Temperature	: 150 °C
Medium of Service	: Hot Water and Steam
Construction Material	: Stainless Steel & Mild Steel
Capacity	: Range from 10 tons/hr to 60 tons/hr

PACKAGE INCLUDES

- Modulating Water Control Valve Station
- Thermal Deaerator Feed Pump Station
- Pressure Reducing Valve (PRV) Station
- Thermal Deaerator Control Systems c/w TAIE PID Controller, Electric Motor Starter, MCB, Relays, Terminal Blocks Push Buttons, Selector Switches, Indicator Light, AVR, Beacon Light and Siren.
- Water Level Chamber c/w level indicator and probe type Level Transmitter
- Temperature Gauge, Pressure Gauge, Vacuum Breaker and Safety Relief Valve
- Thermal Deaerator support structure and platform.

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SCAN ME

EXCEL REVERSE OSMOSIS SYSTEM



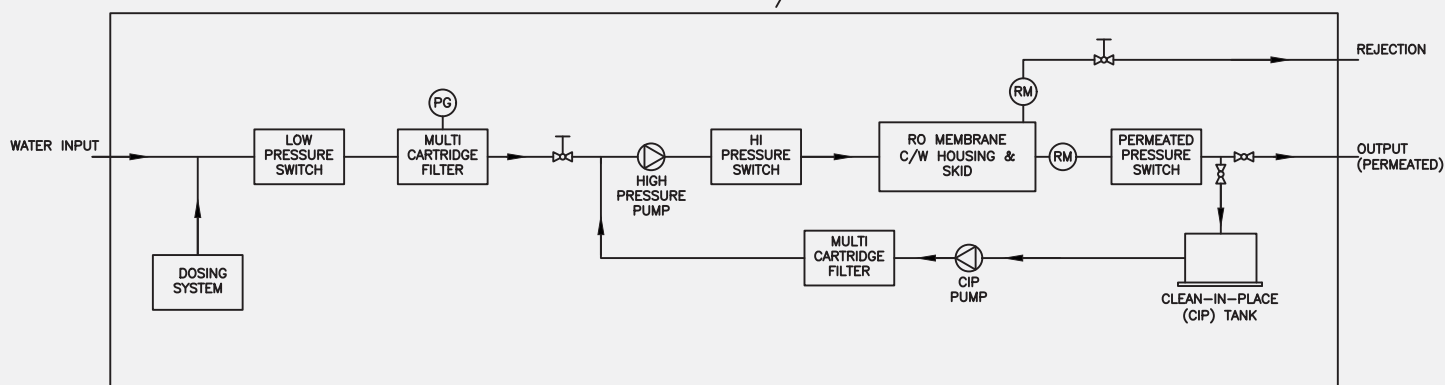
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REVERSE OSMOSIS SYSTEM

RO SYSTEM C/W CIP SYSTEM



RO APPLICATION AREA

Food, beverage, drinking water, textile, marine, mining, oil
 Chemical & pharmaceutical industry
 Electronic industry, semiconductor industry requiring
 ultrapure water treatment
 Waste water treatment
 Brackish water desalination, sea water desalination,
 metallurgy, and light industry pure water treatment.
 Cosmetic products, car battery, liquid fertilizer production
 pure water treatment
 Boiler water treatment
 School, hotel, hospital, laboratory, surface treatment,
 hydraulic test, industrial boiler, power station boiler, high
 pressure boiler water treatment

STANDARD FEATURE

Range: 5,000 LPH to 100,000 LPH
 3 RO Pre-Treatment Dosing System
 Multi Cartridge Filter
 High Pressure Feed Pump
 Thin Film Nanocomposite (TFN) RO Membrane
 FRP RO Membrane Housing
 High & Low Pressure Switches
 Rotameter & Pressure Gauges
 RO Program Controller c/w Conductivity / TDS Meter
 Clean In Place (CIP) System, which consist of Multistage Pump,
 Multi Cartridge Filter & CIP Tank
 May also include chemical & test kit

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