



Purity Beyond
EXPECTATION



COMPANY Profile

LEXCRU Water Tech Pvt. Ltd. is one of the most recognized and trusted brand globally for manufacturing, distribution, supply and trading of Water Purifiers such as Reverse Osmosis (RO), Ultra Filtration, NANO Filtration and Water Purification components including RO Booster Pumps, RO membranes, RO Systems, Ionizer and filters. It is an ISO 9001:2008 certified company.

LEXCRU has grown from a small domestic company in 2006 to a giant in the global water industry, proving to be a strong competitor in the import markets. With a growing market monopoly in RO component production, like 4040 , 8040 , 4021 membranes and dosing pumps. We were the first Indian company to adopt the principle of 'Make in India'.

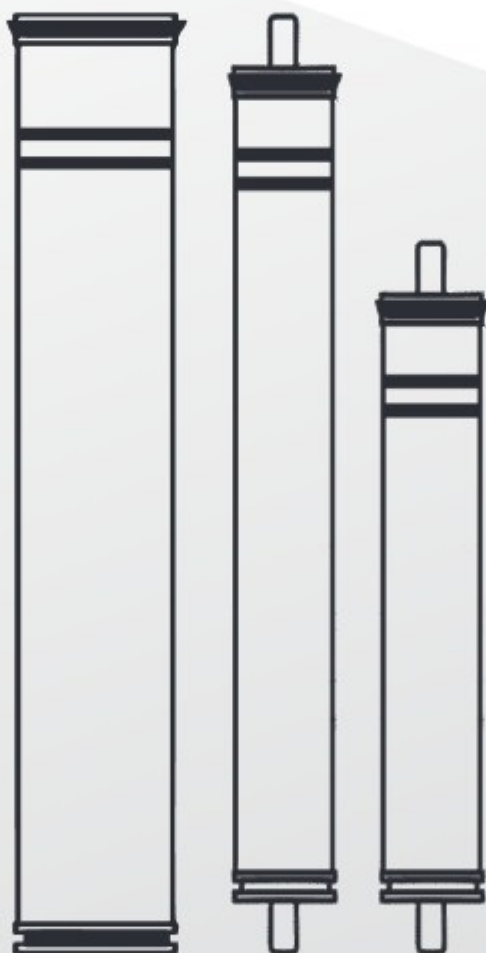
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Purity Beyond”
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A Product From the house of
India's 
Largest Membrane Manufacturer

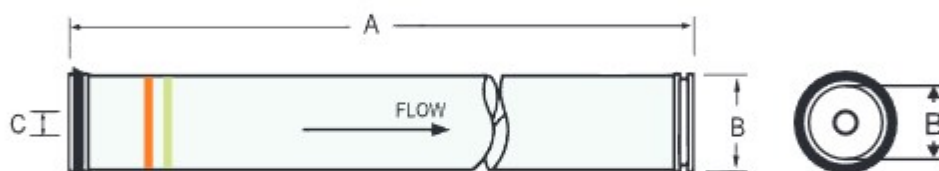


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**INDUSTRIAL
MEMBRANES**

LCM-8" SERIES



MODEL	A MM	B MM	C MM	D MM
LCM-8040	1016	200	28.7	0



MODEL	Active Membrane Area ft ² (m ²)	Average Permeate Ltrs. (Per/Hr)	Stable Rejection Rate %	Min. Rejection Rate %	Max. TDS
STEAM-8040	366(34.0)	1000	95-96	95	1500
L SERIES - 8040	420(40.0)	1100	96-97	96	2500
HS-TFC - 8040	462(44.0)	1000	97-99	97	3000
LCM-ES - 8040	366(34.0)	950	98-99	97	4000
LCM-BW-8040	400(37.2)	950	99	98	6000
LCM -SW-8040	440(40.9)	900	99.8	99	15000

Testing Conditions	Testing Pressure	225 psi (1.55Mpa)
	Testing Solution Temperature	25°C
Operation Limits & Conditions	Concentration of Testing Solution (NaCl)	2000ppm
	pH value of Testing Solution	7.5
	Recovery Rate of Single Element	15%
	Max. Working Pressure	600psi(4.14Mpa)
	Max. Temperature of Feed water	45°C
	Max. Volume of Feed water	75gpm(17 m3/h)
	Max. Feed water SDI 15	5
	pH Range of Feed water during Continuous Operation	2~11
	pH Range of Feed Water during Chemical Cleaning	1~13
	Residual Chlorine Concentration of Feed Water	<0.1ppm
	Max. Pressure Drop of Single Membrane Element	15 psi (0.1Mpa)
	Max. Pressure Drop of Single Pressure Vessel with Six RO Membranes	50 psi (0.34Mpa)

MODEL	A MM	B MM	C MM	D MM
LCM-4040	1016	100	19	32
LCM-4021	533	100	19	32



MODEL	Active Membrane Area ft ² (m ²)	Average Permeate GPD(m ³ /d)	Stable Rejection Rate %	Min. Rejection Rate %	Max. TDS
STEAM-4040	84 (8)	2100 (8.0)	97-98	96.5	1500
L SERIES-4040	84 (8)	2400 (9.1)	99-99.5	98.5	2500
HS-TFC-4040	110.2 (10.5)	2600 (9.9)	95-97	94.5	3000
LCM-ES-4040	101 (9.4)	2700 (10.2)	97-98.5	96.5	4000
L SERIES-4025	50 (4.65)	900 (3.41)	97-98.5	96.5	2500
L SERIES - 4021	33 (3.0)	900 (3.41)	97-98.5	96.5	2500
LCM-BW-4040	125 (12.0)	1500 (6.0)	99-99.5	99.0	5000

Testing Conditions

Testing Pressure	150 psi (1.03Mpa)
Testing Solution Temperature	25°C
Concentration of Testing Solution (NaCl)	1500ppm
pH value of Testing Solution	7.5
Recovery Rate of Single Element	15%
Max. Working Pressure	600psi (4.14Mpa)
Max. Temperature of Feed water	45°C
Max. Volume of Feed water	16gpm(3.6 m ³ /h)- 8gpm

Operation Limits & Conditions

Max. Feed water SDI15	5
pH Range of Feed water during Continuous Operation	3~10
pH Range of Feed Water during Chemical Cleaning	2~12
Residual Chlorine Concentration of Feed Water	<0.1ppm
Max. Pressure Drop of Single Membrane Element	15 psi (0.1Mpa)
Max. Pressure Drop of Single Pressure Vessel with Six RO Membranes	50 psi (0.34Mpa)



LCM-2.5" SERIES



MODEL	A MM	B MM	C MM	D MM
LCM-2540	1016	61	19	32
LCM-2521	533	61	19	32



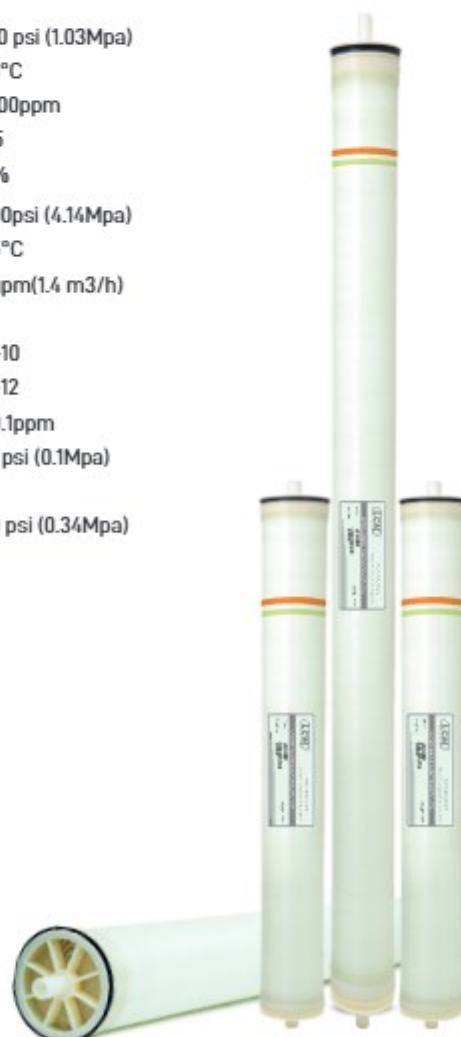
MODEL	Active Membrane Area ft ² (m ²)	Average Permeate GPD(m ³ /d)	Stable Rejection Rate %	Min. Rejection Rate %	Max. TDS
LCM - 2540	33 (3.0)	760 (2.9)	97-99	96.5	3000
LCM-BW-2540	41 (3.8)	745 (2.8)	99.0	98	5000
LCM-2521	16(1.5)	310 (1.15)	97-99	96.5	3000
LCM-BW-2521	21 (1.9)	290 (1.1)	99.0	98	5000

Testing Conditions

Testing Pressure	150 psi (1.03Mpa)
Testing Solution Temperature	25°C
Concentration of Testing Solution (NaCl)	1500ppm
pH value of Testing Solution	7.5
Recovery Rate of Single Element	8%

Operation Limits & Conditions

Max. Working Pressure	600psi (4.14Mpa)
Max. Temperature of Feed water	45°C
Max. Volume of Feed water	6gpm(1.4 m ³ /h)
Max. Feed water SDI15	5
pH Range of Feed water during Continuous Operation	3~10
pH Range of Feed Water during Chemical Cleaning	2~12
Residual Chlorine Concentration of Feed Water	<0.1ppm
Max. Pressure Drop of Single Membrane Element	15 psi (0.1Mpa)
Max. Pressure Drop of Single Pressure Vessel with Six RO Membranes	50 psi (0.34Mpa)



Flow Reading

Sr. No.	Speed SPM(%)	Pressure (Kg/Cm2)	Flow (Ltr/hr)
1	100	10	15
2	90	10	14.1
3	80	9	12.6
4	70	9	10.8
5	60	8	8.1
6	50	7	3
7	40	7	2.58
8	30	7	2.25
9	20	7	2.04
10	10	7	1.98

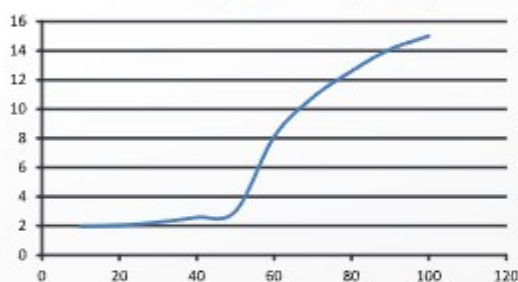
Standard Accessories

Sr. No.	Parts	Quantity
1	Suction & Discharge Pipe	3 meter
2	Filter Cum Foot Valve	1
3	Injection Valve	1

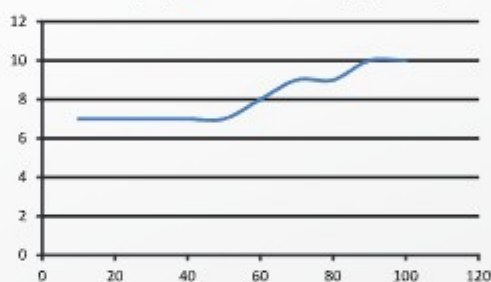
Technical Specification

Type	Solenoid Operated
Input Power Supply	230V, 50Hz, 1 Phase
Power Consumption	30 Watt
Flow Adjustment	Manual 0-400 SPM
Suction Discharge Pipe	4/6 mm
Suction	1 Mtr.

SPEED (%) vs FLOW (Ltr/hr)



SPEED (%) vs PRESSURE(Kg/cm2)

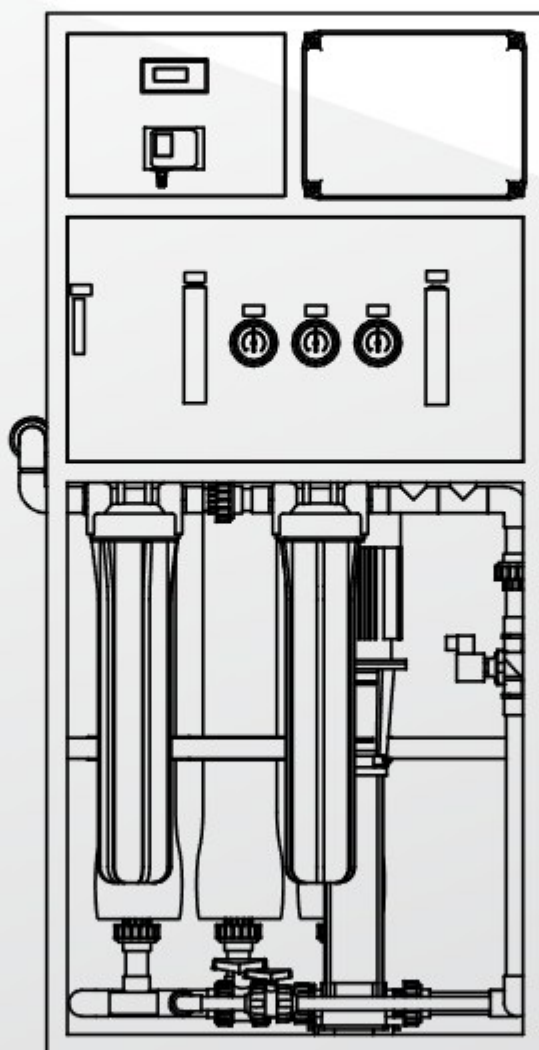


FEATURES

- Double ball NRV
- Built in air release valve
- PTFE diaphragm for long life
- Splash Proof enclosure
- Compact Model



Innovation. Engineering. Quality.



**“
INDUSTRIAL
PLANTS**



60 LPH PLANT

- Pump High Pressure
- 2521 Pressure Tube FRP/SS
- 2521 membrane LCM
- 20" Big Blue Jumbo Housing
- 20" 2 Dia CTO
- 20" 2 Dia PP
- 20" 2 Dia GAC
- Pressure Gauge
- Roto Meter
- LCM RO controller
- Solenoid Valve

COMPACT PLANT | FULLY AUTOMATIC | PLUG & USE

120 LPH PLANT

- RAW WATER PUMP
- 4021 PRESSURE TUBE - FRP / SS
- 4021 MEMBRANE LCM
- 20" BIG BLUE JUMBO HOUSING 1"
- HIGH PRESSURE PUMP
- 20" 4" CTO FILTER
- 20" 4.5" PP FILTER
- PRESSURE GAUGE
- ROTA METERS LCM
- RO CONTROL PANEL
- LCM RO CONTROLLER
- SOLENOID VALVE





250 LPH PLANT

- RAW WATER PUMP
- VESSEL 1248 LCM
- MULTIPORT VALVE 25NB 1"
- 20" BIG BLUE JUMBO HOUSING 1"
- 20" 4.5" PP FILTER
- SAND MEDIA
- CARBON MEDIA
- HIGH PRESSURE PUMP
- PRESSURE TUBE 4040 LCM - FRP/SS
- 4040 MEMBRANE LCM
- LOW PRESSURE SWITCH
- ROTA METER 50-500 LPH
- PRESSURE GAUGE LCM
- LCM RO DOSING PUMP PREMIUM
- LCM RO CONTROLLER WITH TDS
- HI PRESSURE SWITCH
- SOLENOID VALVE

BEST IN CLASS | COMMERCIAL PRODUCT | LONG LIFE

500 LPH PLANT

- VESSEL 1054 LCM
- MULTIPORT VALVE 25NB 1"
- RAW WATER PUMP
- 20" BIG BLUE JUMBO HOUSING 1"
- 20" 4.5" PP FILTER
- PRESSURE TUBE 4040 LCM - FRP/SS
- LCM RO DOSING PUMP PREMIUM
- LCM RO CONTROLLER
- LCM ROTA METER 100-1200
- PRESSURE GAUGE LCM
- PRESSURE GAUGE BOTTOM CONNECTION
- LOW PRESSURE SWITCH
- HIGH PRESSURE PUMP
- SAND MEDIA
- CARBON MEDIA
- LOW PRESSURE SWITCH
- HIGH PRESSURE SWITCH
- SOLENOID VALVE





1000 LPH PLANT

- RAW WATER PUMP
- VESSEL 1354 LCM
- MULTI PORT VALVE 25NB 1"
- 20" BIG BLUE JUMBO HOUSING 1"
- 20" 4.5" PP FILTER
- SAND MEDIA
- CARBON MEDIA
- HIGH PRESSURE PUMP
- PRESSURE TUBE 4080 / 4040 / 8040 LCM - FRP / SS
- 4040 / 8040 MEMBRANE LCM
- LCM ROTA METER 200-2400
- PRESSURE GAUGE 21KG LCM
- LCM RO DOSING PUMP PREMIUM
- LCM RO CONTROLLER 1-1 PREMIUM
- LOW PRESSURE SWITCH
- HIGH PRESSURE SWITCH
- SOLENIOD VALVE

COMPACT SIZE | BETTER SALT REJECTION | LONG LIFE

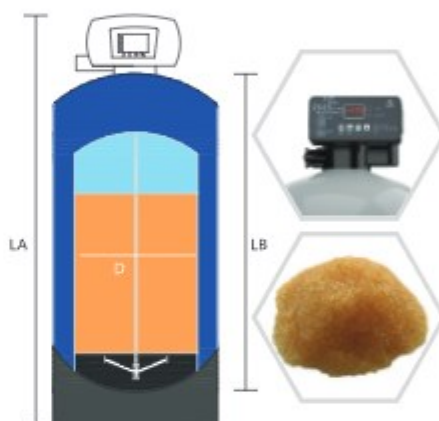
ABOVE 1m³ PLANTS (CUSTOMISATION AVAILABLE AS PER SITE)



WATER SOFTENER



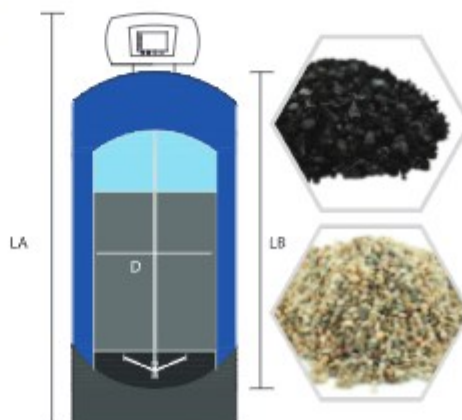
- > Mineral density 0,85 kg/Lt Mineral blistering share of 40% was.
- > Integration cable provides multiple tanks application and high capacity of water treatment.
- > In Multiple Tanks applications, when the first valve entering to wash, other valves wait ranking. The valves providing a continuous stream of purified water and it is not enter the washing at the same time.
- > LCM resins works best when it comes for softening.



SOFTENING | FILTRATIONS | MEDIA

MULTIMEDIA SAND/CARBON FILTERS

- > Mineral density 1.5kg./Lt
- > Integration cable provides multiple tanks application and treatment in high capacity
- > Whe 1st. valve washer, other valves wait ranking in multiple tank application. The valves providing a continuous stream of purified water and it is not enter the washing at the same time.



INDUSTRIAL WATER SOFTENING SYSTEMS

WORKING PRINCIPLE

Calcium & Magnesium ions, which stay as cations in the water, create lime by combining negative charged carbonate ions and settle. During the process we call regeneration, sodium ions, which come from salt, are taken back on the resin again, the hardness are thrown away.

FEATURES

- Upside-down collecting is octopuf diffuse
- Fittings by PVC-U
- Fully Automatic Control Valf
- Time controller fully back flush
- Max pressure 6 bar
- 220V/50Hz



DM PLANTS

- Upside-down collecting is octopuf diffuse
- Fittings by PVC-U
- Fully Automatic Control Valf
- Time controller fully back flush
- Max pressure 6 bar
- 220V/50Hz
- Epoxy Coated carbon steel tanks
- Diameter 1600 upside-down collection is octopus diffuser
- For diameter 2000 and over, stopper diffusion over mirror
- Fittings by PVC-U
- Elektricity valve
- PLC Control Panel
- Time controller fully back flush
- Max pressure 6 bar
- 220V/50Hz
- Optionally galvanized pipe



FRP VESSELS (All Size Available)



• 844 • 1054 • 1248 • 1354 • 1465 • 1665 • 1865 • 2162 • 2472 • 3072 • 3672 • 4872
(All Size Available in Multi Colours , Top & Bottom Opening)



SS PRESSURE TUBE
2.5" / 4" / 8" (All Size Available)



FILTER HOUSING
10" / 20" SLIM & JUMBO SIZES



FRP PRESSURE TUBE
2.5" / 4" / 8" (All Size Available in Multi Colours)

CONTROL PANELS



1/1 • 1/3 • 3/3 • Time based Single & Multi Coin & Card



SOLENOID VALVE (1/2, 1, 3/8 Range")



LOW & HIGH
PRESSURE SWITCHES



FLOAT LEVEL CONTROLLER



RAW WATER & HIGH PRESSURE
PUMPS

CARBON

RANGE

Iodine number : 600-1200

Mesh size: 4×8 to 80×325 (4 mesh to 200 mesh)

Powder carbon with mesh size: Below 325 mesh

Water washed grade

Acid washed grade

Silver impregnated

APPLICATIONS

Color removal in bottled water, Brewery, Juice & Soft drink industries

Bacteriostatic (Bacteria removal)

Gas treatment

Effluent water treatment

Gold recovery

Dechlorination

Color & odor removal



Coconut Based Activated Carbon



Coal Based Activated Carbon



Wood Based Activated Carbon

ION EXCHANGE RESIN



RANGE

Selective Ion Removal resins

Food Grade

Polyacrylic resins

Mixed Bed resins

Uniform Particle Size

Black Cation resins

Chelating resins

APPLICATIONS

Industrial Demineralization

Ultrapure - Semiconductor Industry

Removal of Radioactive Isotopes from Aqueous Solutions

Domestic & Industrial Water Softening

Condensate Polishing

Brine Purification

Nitrate, Arsenic & Boron Removal

Organic Scavenger

CHEMICALS

Packaging Size	5 KG, 10 KG, 30 KG
Grade Standard	Industrial Grade
Application	Desalination
Categories	RO Membrane Treatment Chemicals
Form	Liquid
Type	Normal/ CVD



MULTI PORT VALVES



15 NB • 25 NB • 40 NB • 65 NB
Filters & Softner Range



PRESSURE GAUGE



ROTA METER



MICRON FILTER

A Product From the house of
India's 
Largest Membrane Manufacturer



MADE IN INDIA
BEST MEMBRANE MANUFACTURER
AWARDED BY **WATER DIGEST**
IN ASSOCIATION WITH
UNESCO & ASSOCHAM



2016 - 2017



2021 - 2022

TRUST OUR
MEMBRANES SUPPORT
INDIAN
MANUFACTURING

CONTRIBUTE
IN NATION
BUILDING



INDIAN INDUSTRIAL RO COMPONENT & SYSTEMS

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