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WATER SOFTENERS & SPARES



Authorised dealer / representative of the following reputed companies :



THERMAX
THERMAX LTD.



UNI KLINGER LTD.
PUNE-411 003



RAMAN INSTRUMENTS PVT. LTD.
MUMBAI - 400 050



Standard Products

Thermax green products help in conserving and recycling water. They mitigate water stress caused by urbanisation.

Sewage Treatment & Recycle Products



BioCask | BioCask: 50 to 300 KLD
BioCask Mini: 10 to 30KLD



FAB - Fluidized Aerobic Bioreactor Technology | 10 KLD & Above



Seqtreat - Sequential Batch Reactor Technology | 100 KLD & Above



MBR - Membrane Bioreactor Technology | 50 KLD & Above



Biofilter | Low sludge sewage treatment plant



Rice Mill ETP

Water Treatment Products



Containerised Plants



Filters & Softeners | 0.1 to 300 m3/hr



Deminerlization (DM) Plants | 0.1 to 300 m3/hr & above



Standard RO Plants- LoFlo RO, SMART RO | 200 LPH to 3000 LPH



SIRO & DIGILITE | 3 to 100 m3/hr



GenMax - Purified water Generation plant/Purified water Storage & distribution plant | 500 LPH & above

Other Products



Incinerator | Infections & hazardous waste treatment



Bioenergen | Kitchen waste to energy



PuriSmart | Sanitary water treatment

CHEMICALS

Ion Exchange Resins

- Softening • Dealkalisation • Demineralisation • Condensate Polisher • Nuclear Grade Resin • Chelating Resin • Pharmaceutical Formulation • Investment Casting - Polymer • Catalyst Grade Resin • Speciality resins for removal recovery, separation and purification

Cooling Water Chemicals

- Corrosion Inhibitors • Biocides - Oxidising and Non Oxidising • Biodispersants • Antiscalants • Polymeric Dispersants

Boiler Feed Water Chemicals

- Scale and Corrosion Inhibitors • Boiler Descaling chemicals • Sludge Conditioner / Antifoam Chemicals • Range of Amines • Range of Oxygen Scavengers

Fireside Chemicals

- Range of products for on-line cleaning of flue gas path of boiler / heater by removal of deposits (for Heavy Oils /Solid Fuels)

Fuel Oil Conditioning with Water Emulsification

- Range of fuel additives for liquid fuels as well as solid fuels (for Boilers / Heaters / Furnaces) • Additives for IC Engines

Polyelectrolytes

- For ETP water, raw water and colour removal application • Anion Powder form products • Cation Powder form products • Cation Liquid form products • Emulsion products

Reverse Osmosis Chemicals

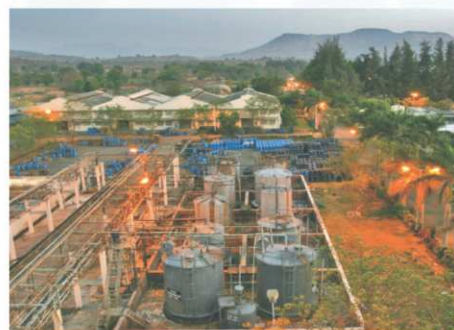
- Antiscalants • Antifoulants • Cleaning Chemicals (Inorganic & Organic) • Biocides

Oilfield Chemicals

- Pour point depressants • Corrosion and Scale Inhibitors • Biocides • Oxygen Scavengers • Deoiler • Demulsifiers

Paper Chemicals

- Coagulants and Flocculants • Sizing Chemicals • Microbiocides/ deposit control • Dry strength resins • Wet strength resins • Surface size • Antifoam • Deinking/ Bleaching additive • Coating



Resins

TULSION® IONEXCHANGERESINS

Tulsion®	Features	Applications
Tulsion®T-40/T -42Na/H Tulsion®Softmax	Highcapacitygelcationexchange resinofpolystyrenecopolymer	Industrial-domesticwatersof tening- demineralisationapplication
Tulsion®A-36,A-32	Polystyrenecopolymerstrongbasegellypell anionexchangeresin	Multiplebeddeionization Multiplebeddealkalization
Tulsion®A-8XMP	Weakbasepolystyrenecopolymer macroporouscatalystgradeweakbase exchangeresin	MEGpurification&deacidificationof aqueous&nonaqueousmedia
Tulsion®T-50/T -52	Highercross-linkedstrongacidcation exchangeresinhavingexcellentsistance tooxidizingagentsandtemperature	Multiple&mixedbeddemineralization operatingunderrigorousconditions (condensatepolishing)
Tulsion®A-330H	StrongbasegellT ypelanionexchangeresin withexcellentsizeandhand controlledparticlesizecut	Highflow,pressure,deepbedcondensate polishinginnuclearapplication (wastetreatment)
Tulsion®CH-95	Specialresinforselectiveremovalofmercury	Suitableformercuryremovalfromeffluent in chloroalkaliindustry,Nitrate,Fluorideremoval
Tulsion®A-72MP	MacroporousstrongbaseT ypelanionexchange resinwithcontrolledporesizeforcolorand organicsremoval	Usedforcolorremovalfromsugarsyr up
Tulsion®ADS-400/600/800	Highorganicremovalcapacity	Removalofhydrophilicorganicchemicals fromIndustrialwaters
Tulsion®T-62MP/T -63	Speciallydevelopedresinforphenolalkylation	Phenolalkylation,Isobor ylacetatesynthesis. Reactionofnon-polarmedia
Tulsion®MB-114	Intimate mixtureofstrongacidT -42H+for mand strongbaseT ypell(A-32)OH-for m	Forproductionofultrapurewater

*Refersummariseddatasheetfor completerangeofionexchangeresin.

Thermax,pioneeringresininindia,alwaysagenerationahead...

*Customisedsolutionsareavailable

SPECIALAPPLICATIONSIN...

Removalof

AromaticCompoundsPhenol/SubstitutedPhenol (AqueousandNon-AqueousStreams)
ChlorinatedSolvents
FulvicOrganicAcid
SurfactantsandChlorinatedP esticides,WasteTreatment
Aldehyde
HeavyMetals(Pb,As,Ag,Fe,Ni,Co...)

Recoveryof

HeterocyclicAmines
Polypeptides&Aminoacids
HeavyandPreciousMetals
Lysine

Adsorptionof

FattyAcids
VitaminB12
EnzymesandProteins

Purification-Separation | Decolourisation | UniqueApplications

Purification-Separationof...

AminoAcidsAndAlkanolamines
Chromatography,EnzymeSupport
Antibiotic
MEG
Alcohol,GlyoxylandOrganicAcids
CondensatePolishinginPowerPlants
CephalosporinC
ChelatingResinsforBrine
Decalcification

Decolourisationof...

Sugar
ProcessStreams
KraftPulpmillEffluent
FruitJuiceDebittering

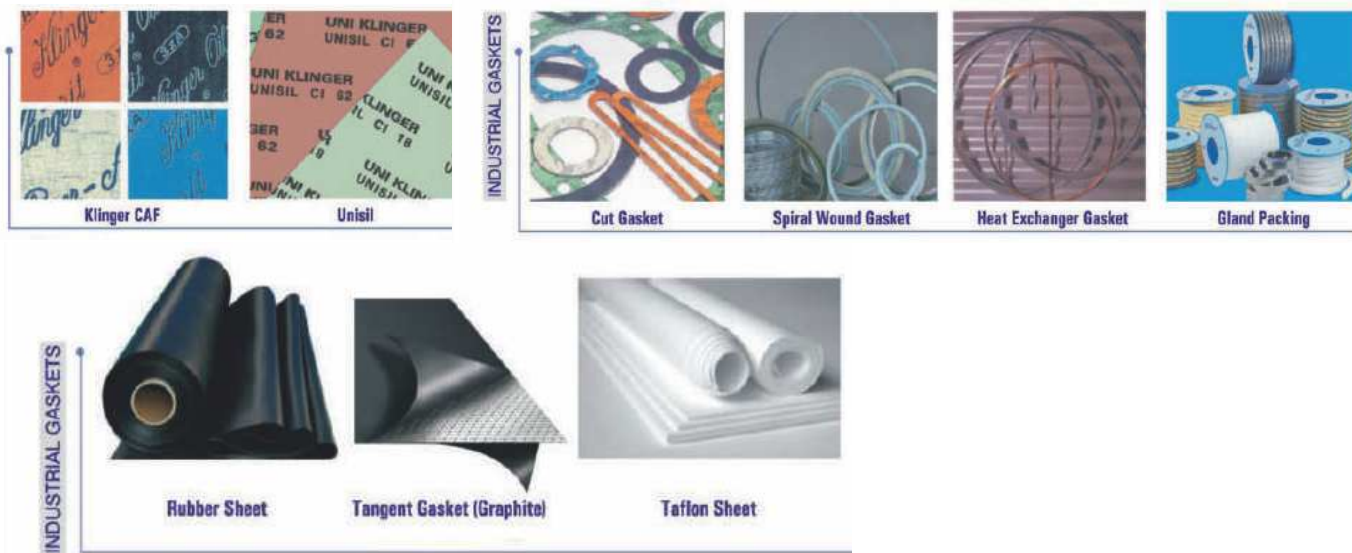
CustomisedApplications...



PrecisionCleaning
WireCutMachine
MBUnits
UltraPureWater-MB
Resins
UPSResins
InvestmentCasting
Catalysis
Pharmaceutical
NuclearGradeResins



KLINGER® - Compressed Gasket Materials

Fluid Sealing Products



KLINGER Grade	Material description	Operating Guidelines	
Klingerit® 1000 	High Pressure - Metallic Top grade material based on Klingerit, but reinforced with wire mesh for demanding and extreme services. Especially suitable and recommended for condition of fluctuating pressures and temperatures, i.e., when steam hammers might occur or in automotive applications. Composed of SBR binder and high grade chrysotile asbestos. Delivered with graphited surfaces. Colour: Graphite Black	Max. Temperature	550°C
		Max. Pressure	200 bar
Klinger® KLR - 232 	Low Pressure - Non Metallic A New Grade Medium Range General Purpose Gasket Jointing For Steam, Water and Gas Application. Colour : Red / Black	Max. Temperature	270°C
		Max. Pressure	25bar

Klinger Jointing Sheet comes with 3 x A finish :

UNI KLINGER make Non Asbestos Gland Packing

GLAND PACKING Pure Graphite:UKL 3222 (Non Metallic)



UKL 3222

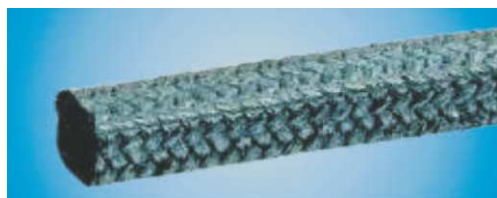
A high performance pure graphite packing manufactured from expanded graphite. This is a compression packing of square cross section that is fully flexible so that minimal gland pressure is required for effective seal in valve sealing although useful in pump applications. Widely used by OEM industry.

pH	Temp. °C	Pr. bar	Max. Speed M./Sec	
			Rotary	Reciprocating
0-14	650	100	15	2

Standard sizes and length per kg. :

[mm]	3	4	5	6	6.5	8	10	12	12.5	14	16	18	19	20	22	25	30
[meter]	55	36	32	22	21	12	9	6	5.6	5	4	3.7	3.5	2.5	2.2	2	1.25

GLAND PACKING - Pure Graphite : UKL 3222W (Metallic)



UKL 3222W

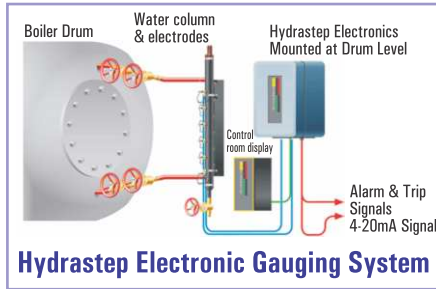
A graphite packing with inconel wire reinforcement for use at high pressure. The packing has excellent thermal conductivity and chemical resistance. Mainly used in valve applications.

pH	Temp. °C	Pr. bar	Max. Speed M./Sec	
			Rotary	Reciprocating
0-14	650	300	15	2

Standard sizes and length per kg. :

[mm]	3	4	5	6	6.5	8	10	12	12.5	14	16	18	19	20	22	25	30
[meter]	53	34	30	18	16	10	8	5.5	5	4.8	3.5	3.3	2.5	2.2	2	1.5	1.25

Boiler : Water / Steam Monitoring System



Standard Parts	Part No.
1. Body	-
2. Cover - 4 Bolt.	112925
3. Glass	*
4. Spring Cone	102875-01
5. Washer	917211-01
6. Cushion Gasket	*
7. Clip Ring	*
8. Retaining Ring	919051
9. Mica	*
10. Cap Screw	954181-09
11. Sealing Gasket	*

* Supplied in kit form. Kit number 923321
High pressure gauge (4-bolt covers).



Overall dimensions of Gauge Glass

SIZE	TYPE A			WEIGHT gm/piece	TYPE B			WEIGHT gm/piece	TYPE H			WEIGHT gm/piece	TYPE TA 28			WEIGHT gm/piece
	L	B	S		L	B	S		L	B	S		L	B	S	
0	95	30	17	96	95	34	17	110	-	-	-	-	-	-	-	
I	115	30	17	118	115	34	17	132	115	34	22	176	113	27.6	16.8	114
II	140	30	17	146	140	34	17	162	140	34	22	214	-	-	-	-
III	165	30	17	176	165	34	17	195	165	34	22	254	163	27.6	16.8	168
IV	190	30	17	200	190	34	17	228	190	34	22	294	188	17.6	16.8	194
V	220	30	17	237	220	34	17	264	220	34	22	344	218	17.6	16.8	226
VI	250	30	17	265	250	34	17	301	250	34	22	392	248	17.6	16.8	258
VII	280	30	17	303	280	34	17	338	280	34	22	445	278	17.6	16.8	290
VIII	320	30	17	334	320	34	17	387	320	34	22	503	318	17.6	16.8	334
IX	340	30	17	359	340	34	17	410	340	34	22	536	338	27.6	16.8	356
X	-	-	-	-	370	34	17	461	-	-	-	-	-	-	-	-



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