



## APPLICATIONS

- Amines & Glycols
- Essential Oils & Perfumery
- Pharmaceutical Intermediates
- Fatty Acids & Alcohols
- Dyestuff Intermediates
- Speciality Chemicals

## ADVANTAGES

### Higher Efficiency

#### *In Existing Equipment*

- Improved Product Quality
- Higher Production Capacity
- Increased Recovery
- Energy Savings

#### *In New Construction*

- Reduce Cost substantially through reduction in column weight, structural, foundation, piping, insulation and installation

### Low Pressure Drop

- Increase relative volatility for vacuum distillation of isomers
- Distillation of temperature sensitive materials
- Drop in polymerization due to reduced bottom temperature

### Smaller Hold up

- Reduces the time required for total reflux
- Reduction in polymerization due to short resident time

### Higher Turn down Ratio

- High efficiency at low liquid rates
- Wide gas throughput range

### Scale up

- Predictable performance as HETP is almost independent of diameter

## STYLE

- Common styles are illustrated
- Other styles are engineered to needs



**PACKINGS - KC**

PACE Packing - KC & KF are assembled from multi filament knitted mesh in coiled / layered form. capillary action ensures even distribution and good mixing of both the phases.

**Typical specifications:**  
 Bulk Density: 432 kg/m<sup>3</sup>  
 Surface Area: 1960 m<sup>2</sup>  
 Free Volume: 94.6 %.



**PACKINGS - KF**

A typical case of Pace KC & KF Packing in comparison with Pall ring is:	Pace KC/KF	Pall Ring
F Factor (kg 1/2 /sec. m 1/2)	1.8	2.0 - 4.0
PDTS (Pressure Drop per theoretical stage, mm Hg)	0.5	1.7
HETS (Mtr)	0.14	0.44
Hold up Fraction	0.07	0.1
<b>Materials: Stainless Steel, other metals and alloys.</b>		



# PACE ENGINEERING INDUSTRIES PVT. LTD.

STRUCTURED COLUMN PACKINGS Wx5 & WY7  
Wire Mesh Type - High Efficiency and Low HETP



## INSTALLATION - SHUTDOWN

- Installation procedure / manual will be provided against Order
- Before shutdown, column in hot state should be flooded with inert gas

## COLUMN HYDRAULICS - HETS

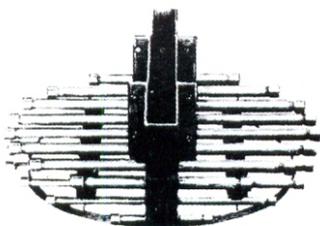
- We can carry out column hydraulics for boil-up capacity and pressure drop
- HETS data is available with us for a number of systems

## COLUMN HYDRAULICS - HETS

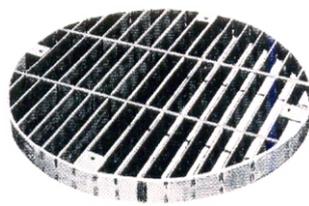
- Satisfactory performance in (57 t/d) vacuum fractionating column for alpha-beta pinene operated at 200 mm Hg
- Successful scale-up (60:1) of fractionating column for high purity. Camphene operated at 100 mmHg

## COLUMN INTERNALS

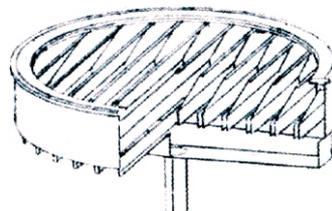
We can extend assistance in designing the Column with Internals viz. Condenser, Reboiler, Kettle, Distributor, Bed Support, Bed Limiter, etc. for your particular application.



DISTRIBUTOR



SUPPORT PLATE



COLLECTOR



COLLECTOR

## PROFILE

- Launched to manufacture specialized wire products in the year 1985
- Our product range also includes Screens-Mesh, Conveyor Belts, Mist Eliminators-Coalescers, Compressed Knitted Wire Mesh / Products
- We offer emergency rush deliveries at reasonable prices
- Our esteemed clients include a large number of leading industries and E&C companies
- We believe in constant updating of knowledge and training
- We have broad experience in handling innovative designs and engineering
- We have machinery-equipment and skills to offer international specifications
- Reputed inspection agencies and engineering consultants have approved our shop
- We have customer oriented long term approach with emphasis on superior service and quality

Manufacturer  
&  
Exporters



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