

Acid Piping Technology, Inc.

*High performance ceramics for the
chemical industry*



TOWER PACKING SADDLES

PACKING SUPPORTS

SELF-SUPPORTING DOME ARCH

***APT's experience and commitment
to quality assure you the most
cost-effective products***

TOP QUALITY, HIGH PERFORMANCE CERAMICS

**Chemical Porcelain
Means Top
Performance**

Acid Piping Technology's ceramic products are made of fine chemical porcelain to provide many years of superior performance. These products have good chemical resistance to most inorganic and organic acids and solvents, excellent mechanical strength, increased capacity, low

pressure drop, high efficiency and low porosity. Chemical porcelain ceramics are superior to those made of chemical stoneware.

Packed towers and scrubbers have wide application in liquid-gas contact systems for many chemical and petrochemical processes. These packing saddles provide the surface area needed for efficient liquid absorption,

desorption and chemical reactions. Cross partition rings, grid blocks and self-supporting dome arches support the packing saddles in the tower.

APT High Performance Ceramics are produced to our demanding specifications in China's leading ceramics factory. Raw materials and products are constantly monitored during manufacture to ensure you of the highest quality control. Typical chemical composition of our products is 76% SiO₂, 17% Al₂O₃, 0.9% Fe₂O₃ and 0.1% TiO₂.

Sulfuric acid producers have consistently selected APT ceramics for their superior quality, chemical resistance, mechanical strength, resistance to breakage and chipping. Our ceramic packing saddles are approved by Monsanto Enviro-Chem Systems and are used in many drying and absorbing towers worldwide.



3" saddles loaded in an Absorbing Tower



3", 2", and 1" size saddles

**Packing Saddles for
Long Service Life**

APT saddles of chemical porcelain are available in many sizes. Saddles are installed randomly in a tower or scrubber for efficient performance and good liquid distribution. The saddles have round edges to resist chipping and insure long service life.

PACKING SADDLES

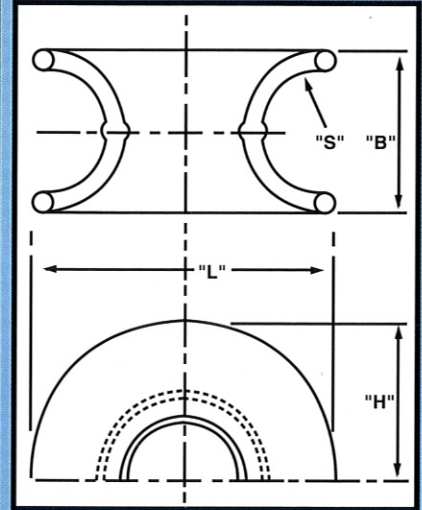
Packaging Protects Against Breakage

The saddles are hand stacked in rows and layers into cardboard shipping cartons. The saddles are nested in the rows. This nesting provides good protection against breakage and saves cost in shipping and storage.

Saddles are carefully nested in rows

Size	1 1/2"	2"	3"
"L" Inch	2.16	2.91	5.43
mm	55	74	138
"B" Inch	1.30	1.73	2.76
mm	33	44	70
"H" Inch	1.08	1.46	2.64
mm	27.5	37	67
"S" Inch	.20	.24	.36
mm	5	6	9
No. Pcs/ft ³	610	255	49
/m ³	21540	9004	1730
Weight lbs/ft ³	38.4	36	35
kg/m ³	615	577	561

Nominal dimensions for APT packing saddles. 1/2", 3/4" and 1" saddles are also available.



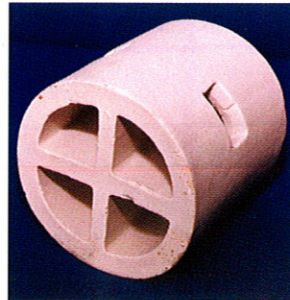
SADDLE PACKAGING

Size	No. Pieces/Carton
1-1/2"	700
2"	300
3"	54

Cross Partition Rings

Our cross partition rings of chemical porcelain are four cell and are used to support the packing saddles above the support bars self-supporting dome. These rings are 6" diameter (152 mm) by 6" high (152 mm).

For shipment, these rings are packed in cardboard cartons with 8 pieces per carton.

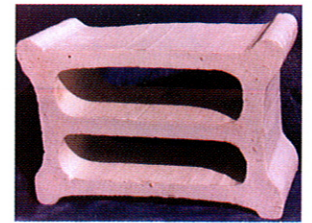


Cross Partition Rings are made with side holes or no side holes

Grid Blocks

APT grid blocks of chemical porcelain are two cell and used to support the packing saddles above the support bars. These blocks are 8 1/2" long X 5 3/4" wide X 3 1/2" high (216 mm X 146 mm X 89 mm).

For shipment, these blocks are packed in cardboard cartons with 8 pieces per carton.



Grid Blocks span support bars and hold the packing