

# APT

**Acid Piping Technology, Inc.**



**Ceramic Products  
For the Chemical Industry**

## ***High performance ceramic products for the chemical industry***

**Acid Piping Technology (APT)** has been supplying engineered products to the chemical industry since 1991 and ceramic products since 1994.

APT personnel have countless years of experience with several chemical processes.

Our ceramic products were developed to offer top performance over a long period of time. These products have excellent chemical resistance and mechanical integrity. They provide the pressure drop and mass transfer efficiency required by the chemical industry for over 50 years.

APT's value of both quality and performance is well recognized in the chemical industry.

**APT** is one of the leading tower packing suppliers in the chemical industry. APT has supplied its ceramics to numerous operating plants and major projects worldwide, involving hundreds of packed towers.

### ***Reliability:***

### ***Long service life***

### **APT Saddles**

Saddle shaped packing has been the primary ceramic tower packing for over 50 years. APT's saddle was developed to match the size standard established by ASTM 515 in the 1960's.

**NOTE:** Many size variations of saddles, both domestic and foreign sources, exist in the marketplace. All 3" Saddles are not created equal. If a saddle does not meet the sizing standards of ASTM 515, the product may not perform as expected. An undersized saddle will add pressure drop thereby increasing energy costs or a reduced production capacity. An oversized saddle may have reduced mass transfer efficiency which may be insufficient to produce desired results.

APT's vitrified aluminosilicate material used for its ceramic products, meets ASTM C-279 chemical porcelain designation.



Courtesy of St. Louis Testing Laboratories

### **Typical Applications**

- Sulfuric Acid
- Chlorine
- Pulp & Paper
- Sulfonation
- Specialty Chemicals
- Regenerative Thermal Oxidizers

### **Value:**

### **Quality & Performance**



**APT's Ceramic Products** come in several shapes and sizes including Raschig Rings. Please contact APT for availability of other sizes or products not listed.

#### **APT Standard Saddle**

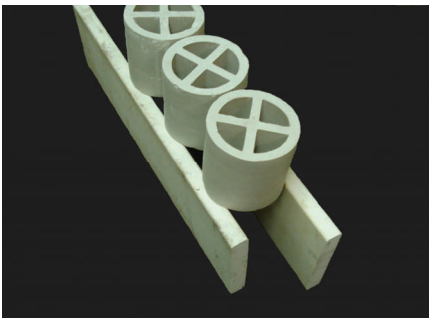
- 1/2", 3/4", 1", 1 1/2", 2", 3"



**APT's Cross Partition Rings** are used as an intermediate support system to interface between Saddle packing and the primary support system; Grid Bars on 6" centers or a Dome.

#### **Cross Partition Rings**

- 6"x 6" and 6"x 4"
- Also 3"x 3", 4"x 4"



**Product Packaging** is designed for ease of handling at the plant site; Contact APT for packaging type, weights and dimensions, etc. for specific products.

**APT's Super Saddle** is available in the traditional two sizes.

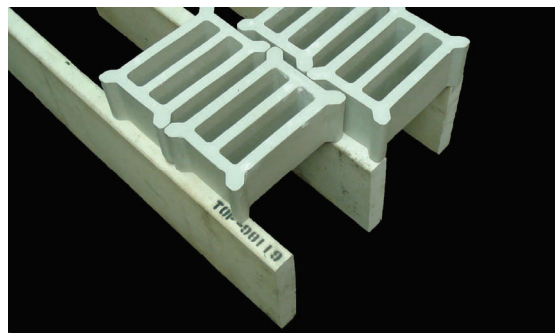
#### **APT Super Saddle**

- #1 & #2



**APT's Grid Block** are used as an intermediate support system to interface between the Saddle packing and the primary support system; Grid Bars on 8" centers.

- **Grid Block**



**APT's Ceramic Balls** are used as a hold down media in a Sulfuric Acid Catalyst Converter but can also be used as a catalyst support media. Ball sizes available range from 1/4" to 4" diameter.



## ***Customer Service:***

***APT is known for our 24/7/365 customer service.***

***We maintain an extensive inventory for routine or emergency requirements. These inventories are in North America and Asia.***



***Products available for immediate shipment***



***24/7/365 Service***

### **APT engineered products also include**

- MONDI™ Piping Systems
- Valves & Dampers
  - \* Manual & Actuated
- Gaskets
- Alloy and Lined Piping
- Instrumentation
- Tower Internals
- Converter Internals

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