



Pall Rings | Tower Packing

Effective distribution of liquids and gases

Over the last 40 years, Pall Rings have been known to be the oldest and most common type of packing. Pall Rings are essentially an advanced form of Raschig rings, with two rows of punched-out holes with fingers or webs turned into the center of a cylinder. Its cylindrical shape lowers its friction, thus improving packing area distribution, wetting, and liquid distribution. The internal cross structure of the Pall Ring makes it robust and suitable for use in deep-packed beds.

Nominal Size (in)	5/8 (15mm)	1 (25mm)	1 1/2 (40mm)	2 (50mm)	3 1/2 (90mm)
Void Fraction (%)	86	90	91	92	93
Geometric Surface Area (ft ² /ft ³)	108	64	44	33	26
Weight-PP (lb/ft ³)	7.75	5.9	4.8	4.3	3.8
Packing Factor (1/ft)	97	52	32	25	16

Standard Features:

- Excellent strength and stability when exposed to high temperatures and/or harsh chemicals
- High levels of separation efficiency and operational flexibility
- Higher capacity, efficiency, and lower pressure drops compared to saddle-shaped packing

Materials Available:

- PP, PE, PVC, CPVC, PVDF (Kynar®), PFA (Teflon®)

Applications:

- Scrubbing and absorption for odor control
- Stripping and degassing for water treatment
- Particulate removal from gases
- Aeration, ozonation, and mixing
- Cooling tower
- Mist elimination

For Rental or Purchase Inquiries:

MACH Engineering, LLC

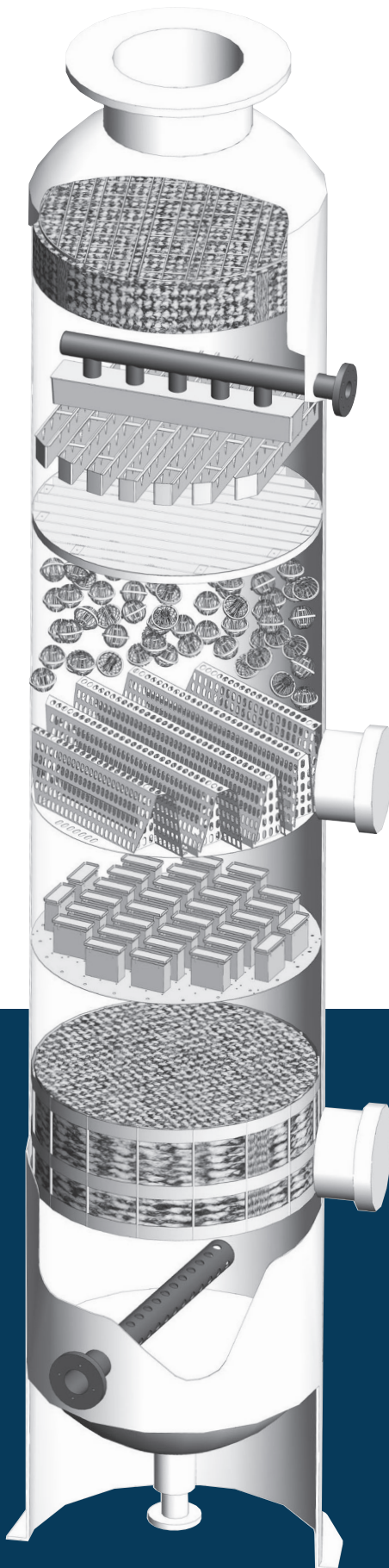
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SPECIALIZED IN DESIGN AND MANUFACTURING AIR & WATER POLLUTION CONTROL EQUIPMENT

Tower Packing, Column Internals, Custom Wet Scrubbers,
Rental Scrubbers & Engineering Support



Tower Internals

Available in Metal, Plastics, Ceramic and FRP (Fiberglass)



PACKING SUPPORT



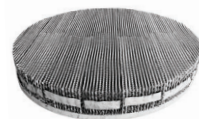
LIQUID REDISTRIBUTOR



MIST ELIMINATOR

Tower Packing

Available in Metal, Plastics, and Ceramics



STRUCTURED SUPPORT



PLASTIC PACKING



CERAMIC PACKING

Custom Fabrication

We design and fabricate custom equipment to meet your specific needs. MACH has the capability to fabricate utilizing various metals and plastic materials such as stainless steel, aluminum, hastelloy, inconel, polypropylene, fiberglass, PVDF, CPVC, and others.

Consulting and Installation Services

For customers looking for assistance in developing a plan, MACH can help customers develop an action plan for a new project or troubleshooting an existing system. Our team of engineers can also provide experienced supervision of your installation to ensure proper installation procedures are followed.

Engineering Design

MACH performs rigorous mass and energy balance calculations for a wide range of industrial steady state processes with HETP calculations. Moreover, with the aid of Aspen Plus, we can optimize your current process in the plant, troubleshoot or debottleneck, and revamp your plant to increase productivity.

