

AMISTCO®

Product Bulletin – AIPR



AMISTCO® Improved Pall Ring

AMISTCO® AIPR tower packing is basically a more finely tuned and better performing Pall ring. This AMISTCO® improved Pall ring design allows greater capacity and lower pressure drop. Although similar in outward appearance to Pall rings, AIPR packing offers more interior surface area due to more twists and bends in the internal geometry. The AIPR geometric configuration creates enhanced gas/liquid contacting and 25 to 30% more drip points per cubic foot than standard Pall ring designs. In addition to improved vapor/liquid contacting, test results show 10% or greater capacity advantage over standard Pall rings.

The AIPR provides superior distribution and avoids channeling towards the vessel walls. AMISTCO® AIPR Tower packing can improve performance in a wide range of applications including:

- Gas dehydration
- Demethanizing
- Tall oil fractionating
- CO₂ removal
- Vacuum crude stills
- H₂S contacting
- Liquid/liquid contacting

Packing Data

Name	Size mm.	Bulk Density (SS MTL)		Number of Pieces		Free Space %	Packing Factor "F"
		lbs/ft ³	kg/m ³	ft ³	m ³		
#1	30	12.6	202	847	29,900	97	43
# 1 1/2	45	11.0	176	266	9,390	97	26
# 2	60	10.4	166	104	3,670	98	18
# 3	90	11.0	176	31	1,090	98	15



The AMISTCO® AIPR tower packing high strength geometry makes them well suited for deep beds. AIPR tower packings are available in a wide range of metal and alloy materials. For availability and lead times consult the factory. AMISTCO® Separation Products Inc. manufactures a full line of tower internals, mist eliminators and other components critical to effective mass transfer and separation. For more details regarding these products, visit our website or consult with an AMISTCO® Separations representative.

Mist Eliminators | Liquid/Liquid Coalescers | Trays, Packing & Internals | Wedge Wire Screens

23147 Hwy. 6 Alvin, Texas 77511 • Ph: (281) 331-5956 • Fax: (281) 585-1780 • www.amistco.com • amistco@amistco.com

24 Hour Emergency Service Available



Emergency Phone: 1-800-839-6374