

# Ceilmate Air Pollution Control

Air-Cure Dynamics, Inc.

## A Wide Range of Industries



### How the Tellerette® works

*Its unique and patented shape takes advantage of inertial impact.*

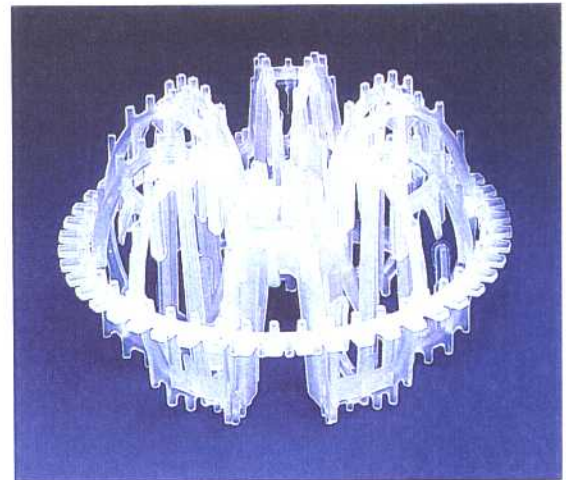
*Inertial impact enhances particulate collection.*

*Surface area equal to other packings but with much greater liquid surface availability.*

*Many times more interstitial holdup points than other packings.*

*Non-wetting surface.*

*Removes more than 99.9% of droplets 10 to 1500 microns in size.*



# Tellerette® Tower Packing

*Performance Products Tellerette tower packing is available in wide range of materials including Polypropylene, Polyethylene, PVC, CPVC, PVDF and Tefzel.*



*Old way: collection on ring or saddle packing by cyclonic or centrifugal action.*



*Our way: collection on filamentous Tellerette packing by inertial impaction.*

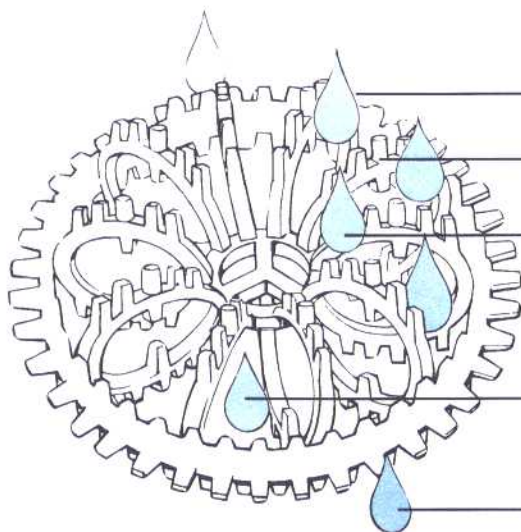
### Performance Products

Tellerette® tower packings are proven to be more efficient than other packings in wet scrubbers, cooling towers, entrainment separators, absorption columns, stripping columns, and air washers.

They regularly reduce operating costs and increase process capacities in such industries as primary metals, metal finishing, chemical processing, food processing, rendering, caustic chlorine, pulp and paper, and phosphate fertilizer manufacturing.

## Benefits/Features

- Surface area equal to other packings but with much greater liquid surface availability.
- Many times more interstitial holdup points than other packings
- Non-wetting surface



- Liquid is collected by inertial impaction.
- Droplets form at countless interstitial holdup points.
- As each droplet falls, it strikes the next packing filament and bursts, exposing fresh surface to gas.
- This agglomeration/dispersion cycle repeats continuously with no additional energy requirement.
- Contaminant molecules are absorbed with unique efficiency.

## PACKING COMPARISONS

	Tri-Pack*			Lanpac**			Tellerettes		
	Tri-Pack*	Lanpac**	Tellerettes	Tri-Pack*	Lanpac**	Tellerettes	Tri-Pack*	Lanpac**	Tellerettes
Type	#1/2	NA	#1	#1	#2.3	#2-K	#2	#3.5	#3K
Size(in.)	1	NA	1.81	2	2.3	3.25	3.5	2.3	4.125
Surface (ft2/ft3)	85	NA	55	48	68	28	38	45	31
Free Vol. (%)	90	NA	87	93	89	95	95	92.5	96
Packing Factor	28	NA	36	16	21	11	12	14	9
Weight (lbs/ft3)	6.2	NA	5.5	4.2	6.2	3.0	3.3	4.2	3.1
Pieces/ft3	1728	NA	1000	216	200	165	40	50	54

\*Registered Trademark of Jaeger \*\*Registered Trademark of Lantec

## TELLERETTE® MATERIALS OF CONSTRUCTION

Property	P/E			P/P			PVC	CPVC	KYNAR*	NORYL**	TEFZEL***					
Operating Temperature†	180°F			200°F			130°F	200°F	275°F	180°F	300°F					
Tellerette Number	1	2	3	1	2	3	1	2	1	2	1	2				
Pounds Per Ft <sup>3</sup>	Type K	2.8	2.9	2.8	2.9	4.6	5.0	4.9	3.9	6.1						
	Type R	5.5	3.8	4.7	5.5	3.8	4.7	8.5	6.2	9.3	6.8	10.4	6.6	7.1	5.2	11.9

\*Kynar is a registered trademark of the Pennwalt Corporation

\*\*Noryl is a registered trademark of the General Electric Company

\*\*\*Tefzel is a registered trademark of E.I. Dupont

† Maximum operating temperature will vary depending on operating conditions

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