

# See our Display of

# "HELI-PAK"

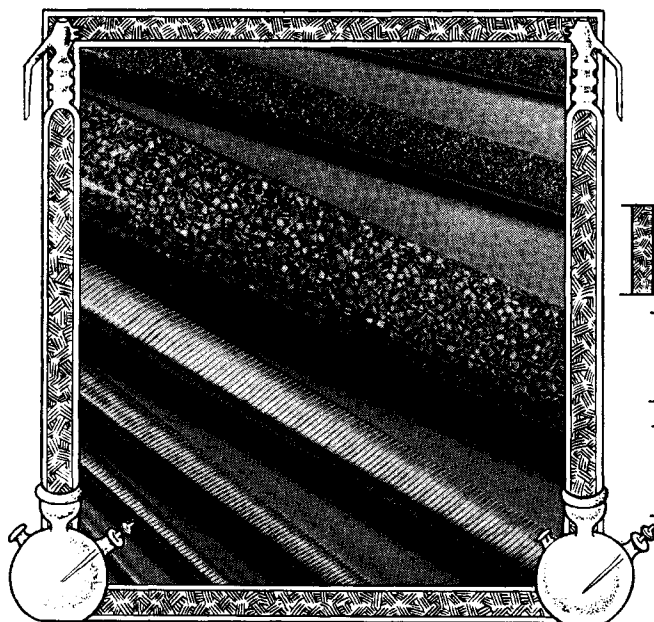
## HIGH EFFICIENCY RANDOM TYPE LABORATORY FRACTIONATING COLUMN PACKING

### MYRIAD Mechanical Spongelets that pour like sugar!

**BOOTH 281**  
**23rd EXPOSITION**  
**CHEMICAL**  
**INDUSTRIES**

*Grand Central Palace*  
**New York**

**Nov. 26 to Dec. 1,**  
**1951**



"Heli-Pak" and "Heli-Grid" Packings

# HELI

"HELI-PAK" is a scientifically engineered wire coil packing, precision die-formed on automatic machines, based on capillary liquid film distribution like our well-known "HELI-GRID" packing, but of the "random" type to "pour" into any laboratory column from about 5 mm. to 100 mm. and more in diameter.



**H.E.T.P.**, the lowest reported for random packings.

**EFFICIENCY FACTOR** (i.e. Holdup per plate per Distilling Rate) is high, for best all-around performance. Low pressure drop, less than 0.7 mm. H<sub>2</sub>O per plate, permits use of short columns of adequate plates and low pressure drop.

**LOW COST**, on a per plate and per distilling capacity basis.

**IN NICHROME, STAINLESS, Monel, Hastelloy, and other metals.**

**P**OURS WITHOUT TANGLING, requires no laborious or critical filling for maximum effectiveness.

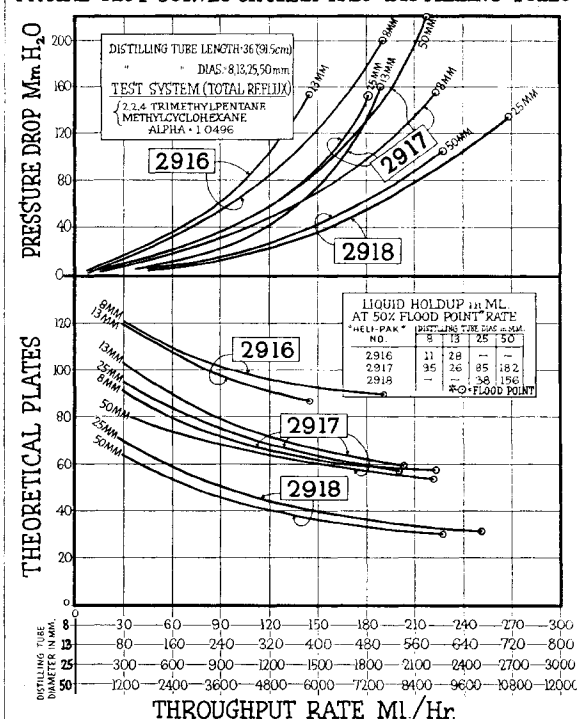
**A**AVAILABLE AS PACKING ONLY, or in our standard vacuum-jacketed columns, and complete distillation apparatus, or in columns made to your specifications.

**K**NOT-CHANNELING in larger column diameters, due to capillary liquid redistributing action.

### AVAILABLE IN THREE SIZES

- No. 2916 (0.035" x 0.070" x 0.070"). Smallest packing physically possible without flooding, with an H.E.T.P. as low as 0.2". Recommended for columns from 5 to 15 mm. dia. at atmospheric pressure.
- No. 2917 (0.050" x 0.100" x 0.100"). A balanced all-purpose packing with H.E.T.P. as low as 0.3", with "Efficiency Factor" higher than any reported random packing; low holdup and pressure drop, economical. Recommended for columns from 10 to 50 mm. dia., atmospheric and reduced pressures.
- No. 2918 (0.092" x 0.175" x 0.175"). Larger size, strong, high capacity and low pressure drop packing, H.E.T.P. still as low as 0.5", specially designed for use in from 35 mm. to 100 mm. dia., and larger, atmospheric and reduced pressure.

TYPICAL TEST CURVES ON "HELI-PAK" DISTILLING TUBES



Typical "Heli-Pak" Test Data

\*Patents pending

Write for complete information

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