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Generalized Pressure Drop Correlation .....	12-10.00
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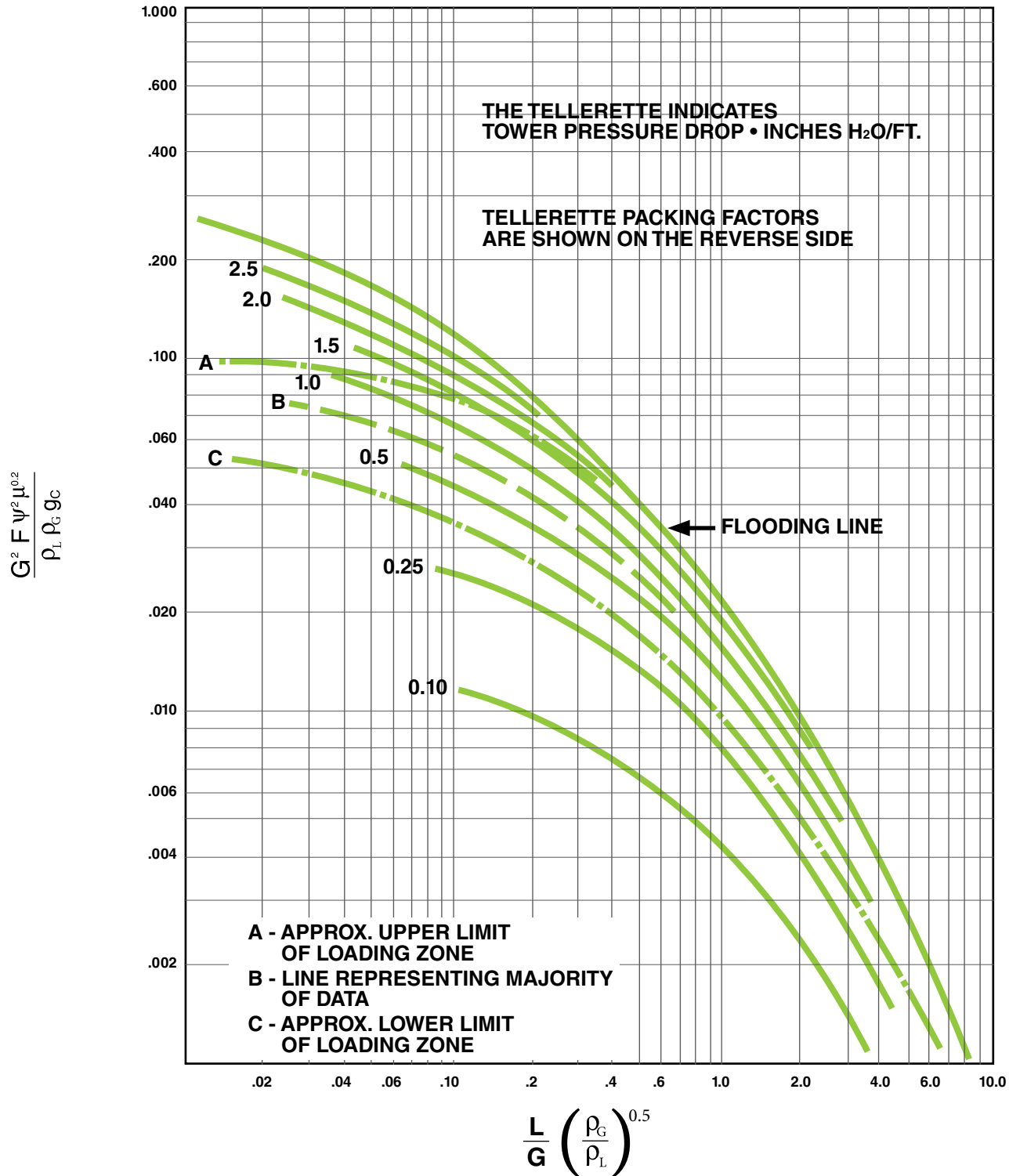
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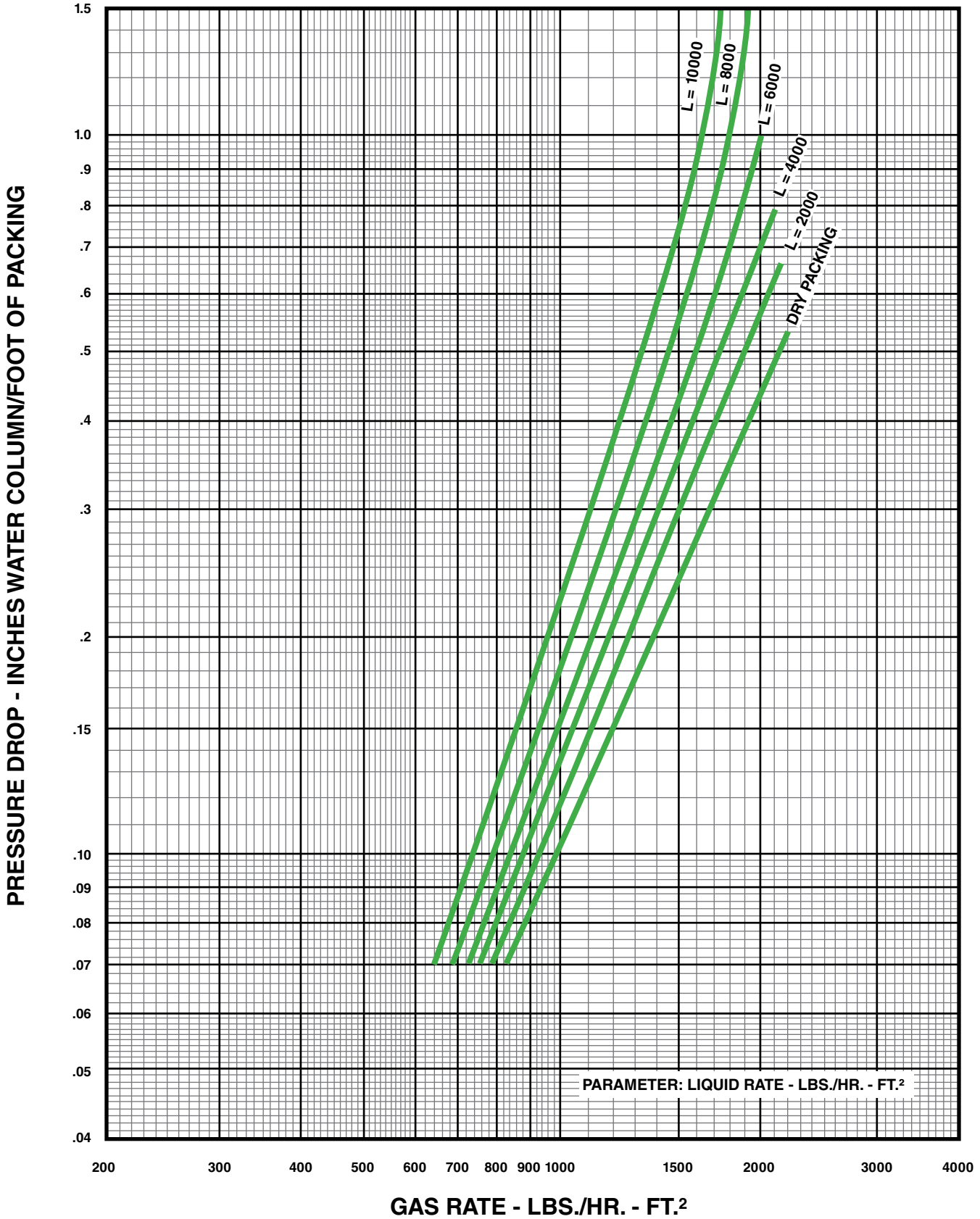
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### GENERALIZED PRESSURE DROP CORRELATION

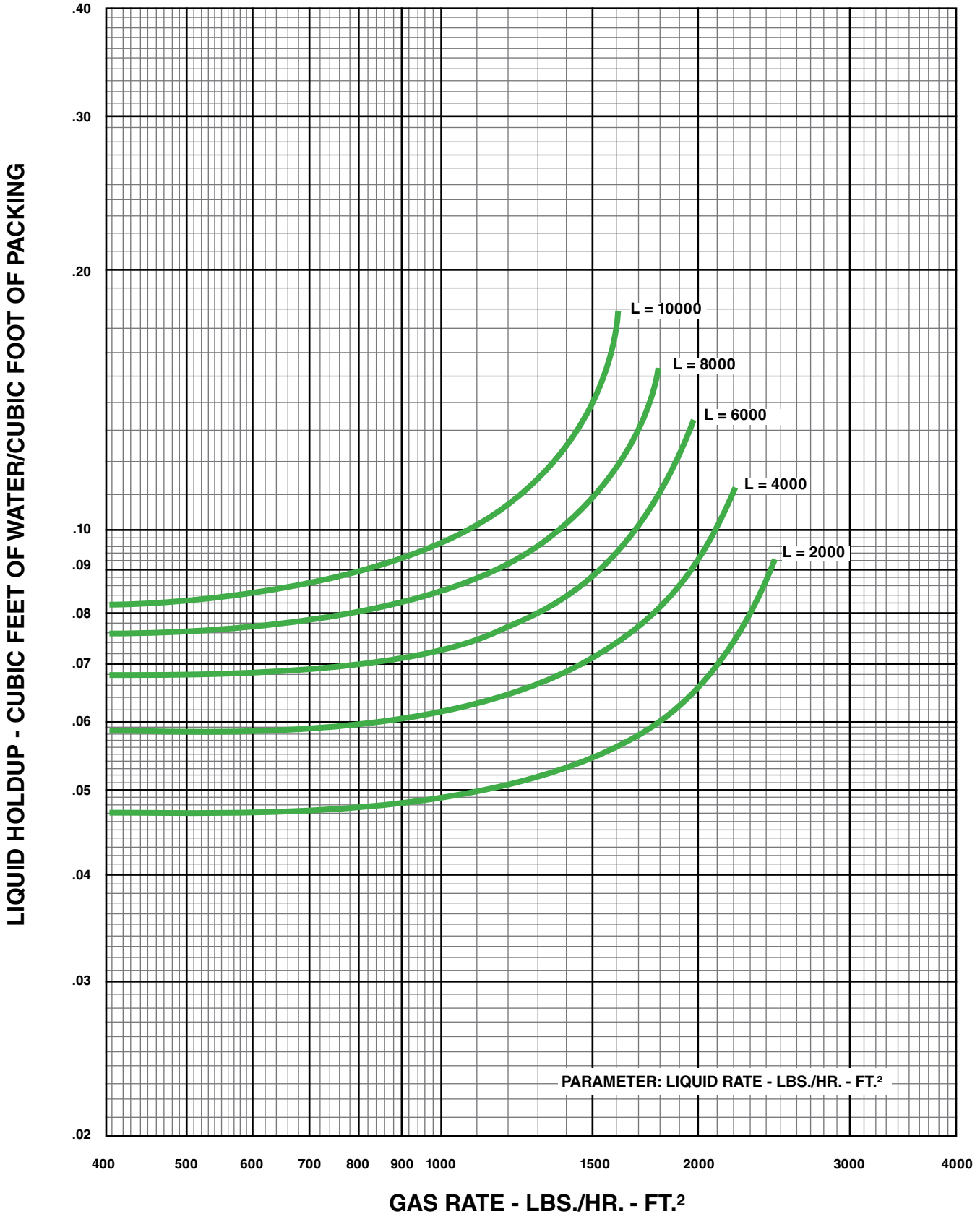


- L = liquid mass velocity, lb./(hr) (sq. ft.)
- G = gas mass velocity, lb./(hr) (sq. ft.)
- $\rho_L$  = liquid density, lb./cu. ft.
- $\rho_G$  = gas density, lb./cu. ft.
- $g_c$  = gravitational conversion factor,  $4.17 \times 10^8$  (lb. mass) (ft.)/(lb. force) (hr.<sup>2</sup>)
- $\mu$  = viscosity of liquid, centipoise
- $\psi$  = ratio density of water to density of new liquid (dimensionless)
- F = packing factor

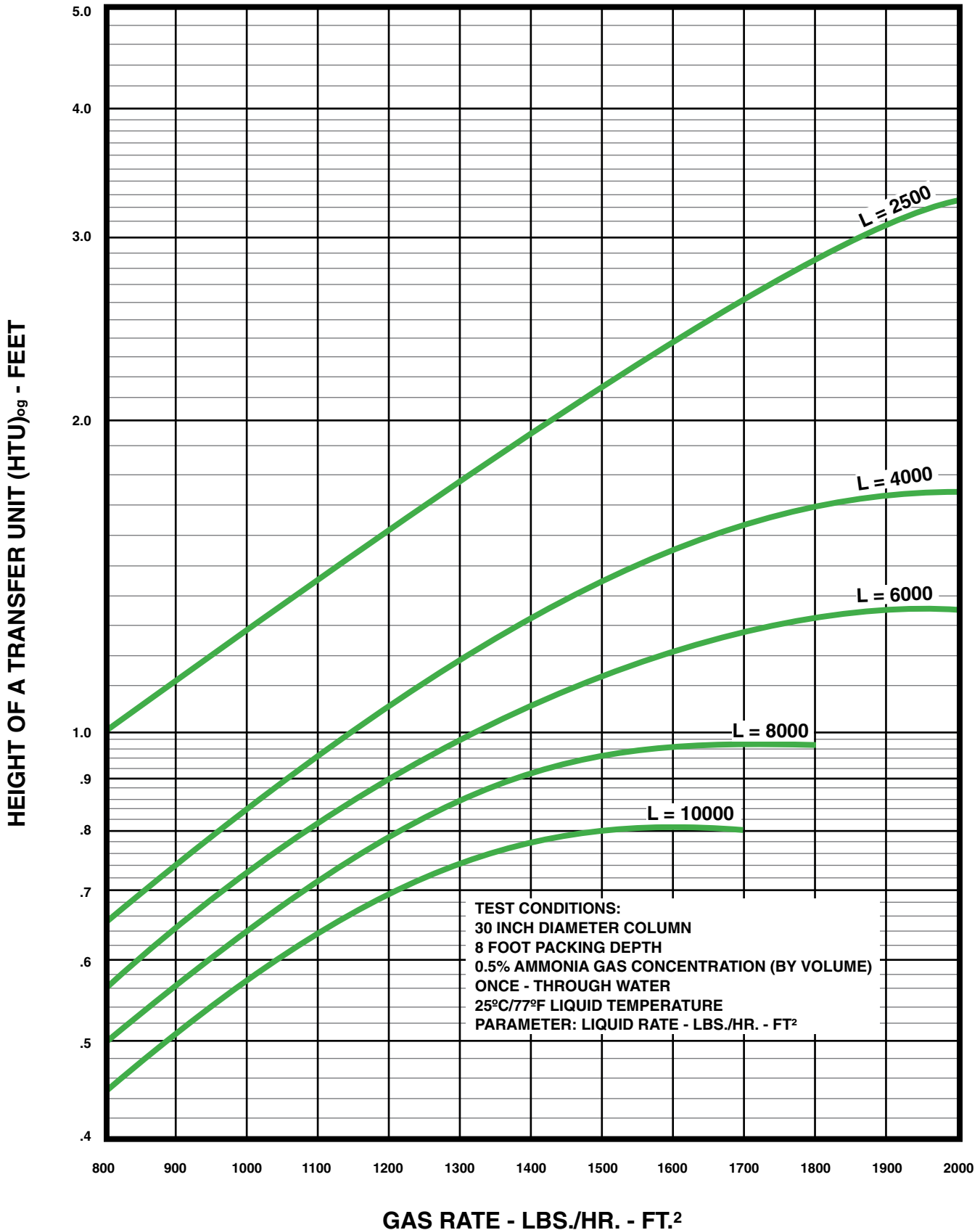
**PRESSURE DROP vs. GAS RATE**  
**#1 TELLERETTE® TOWER PACKING**  
**AIR-WATER SYSTEM**  
**COUNTERCURRENT FLOW**



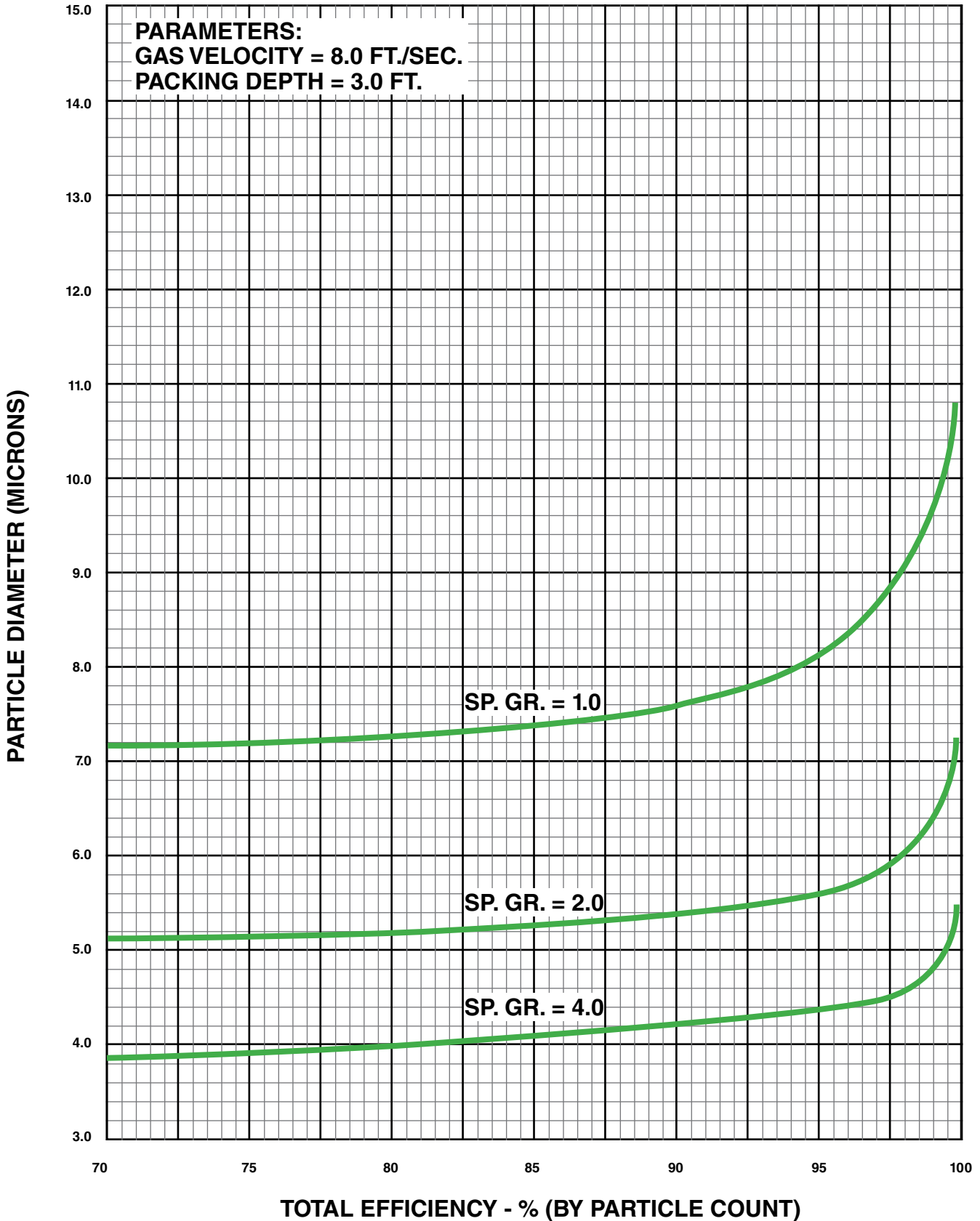
**LIQUID HOLDUP vs. GAS RATE**  
**#1 TELLERETTE® TOWER PACKING**  
**AIR-WATER SYSTEM**  
**COUNTERCURRENT FLOW**



**HTU vs. GAS RATE**  
**#1 TELLERETTE® TOWER PACKING**  
**AMMONIA-AIR-WATER SYSTEM**  
**COUNTERCURRENT FLOW**

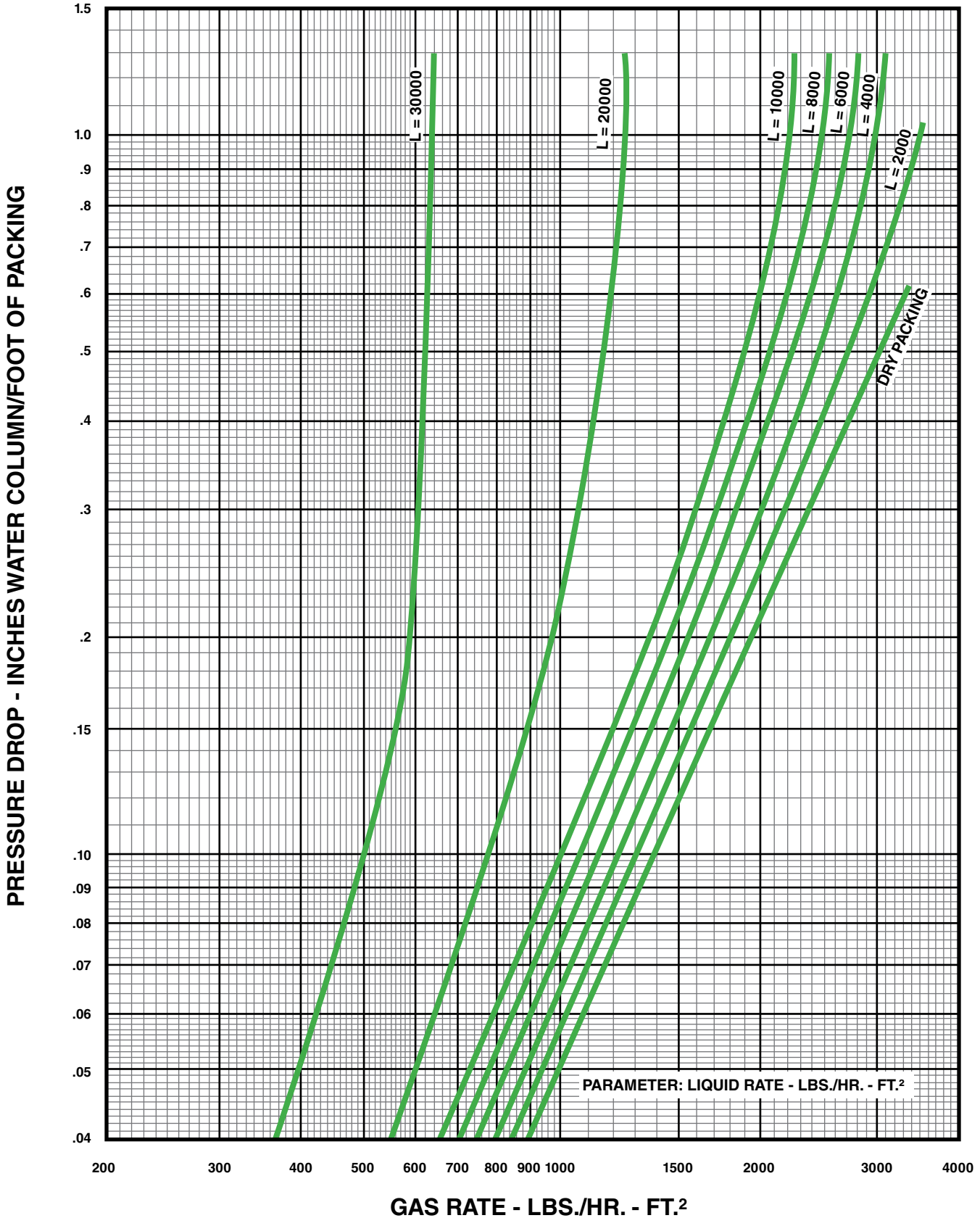


**TELLERETTE® PERFORMANCE  
PARTICLE DIAMETER VS. COLLECTION EFFICIENCY  
#1 TELLERETTE®**

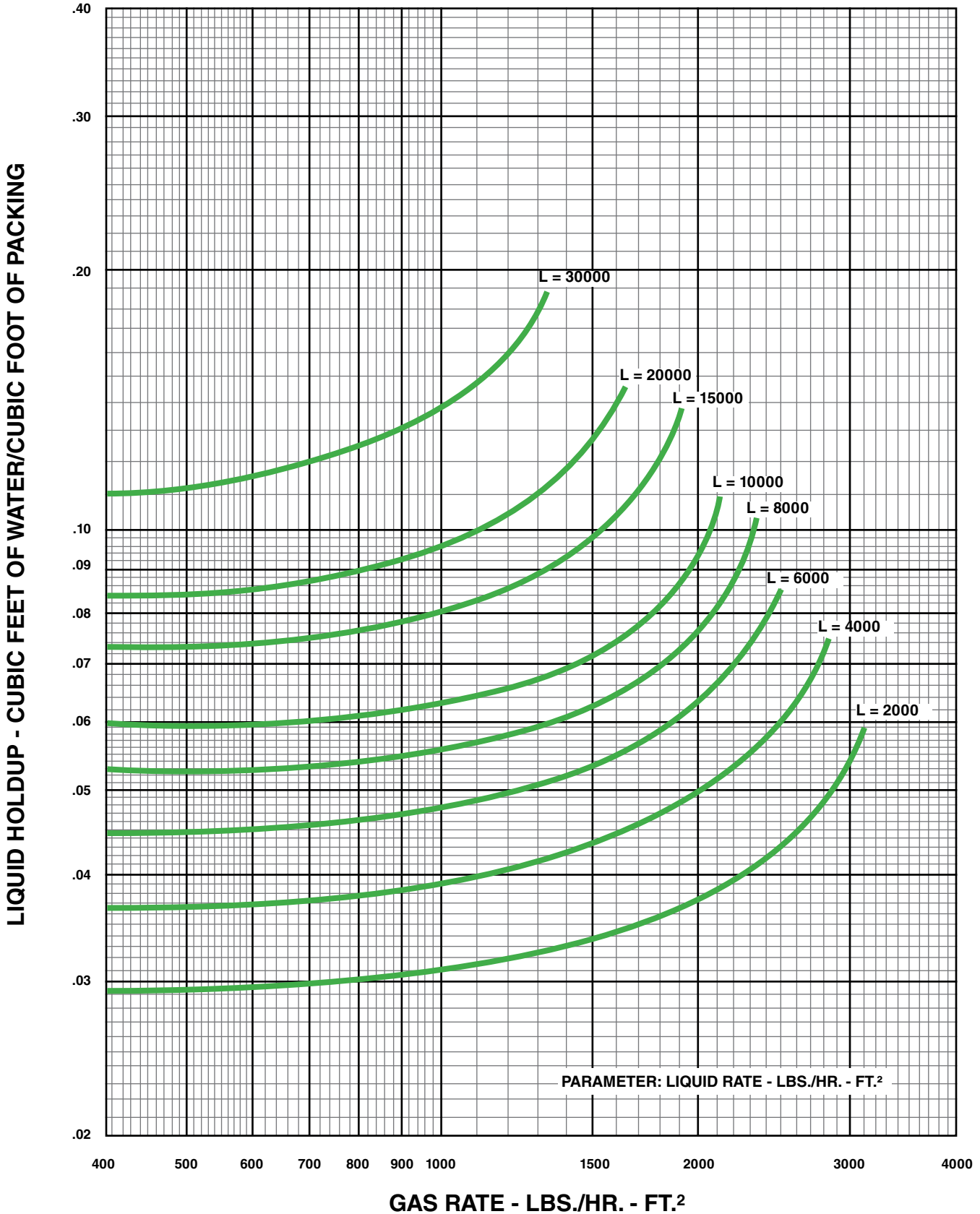


12-10.70

**PRESSURE DROP vs. GAS RATE**  
**#2 TYPE-R TELLERETTE® TOWER PACKING**  
**AIR-WATER SYSTEM**  
**COUNTERCURRENT FLOW**

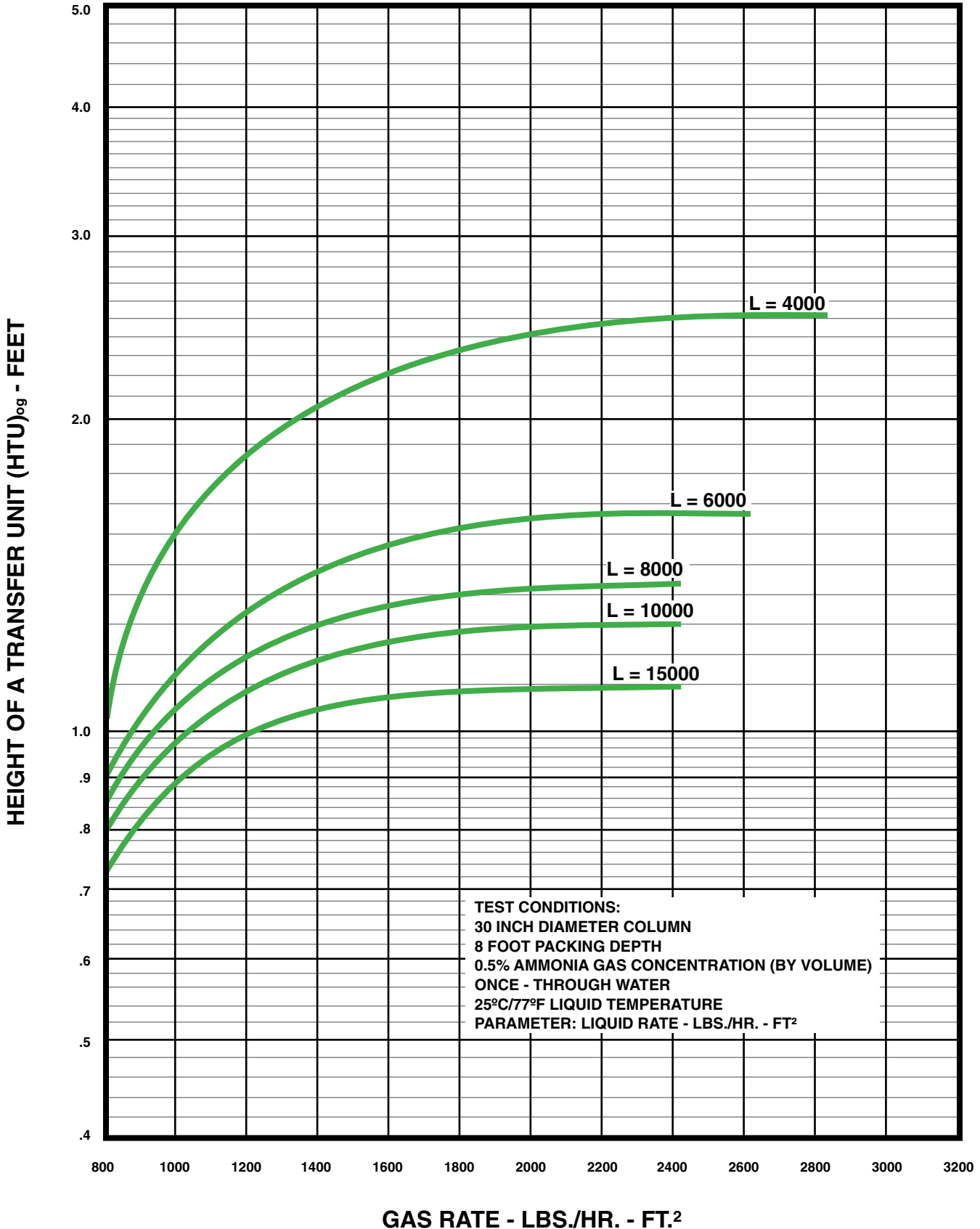


**LIQUID HOLDUP vs. GAS RATE**  
**#2 TYPE-R TELLERETTE® TOWER PACKING**  
**AIR-WATER SYSTEM**  
**COUNTERCURRENT FLOW**

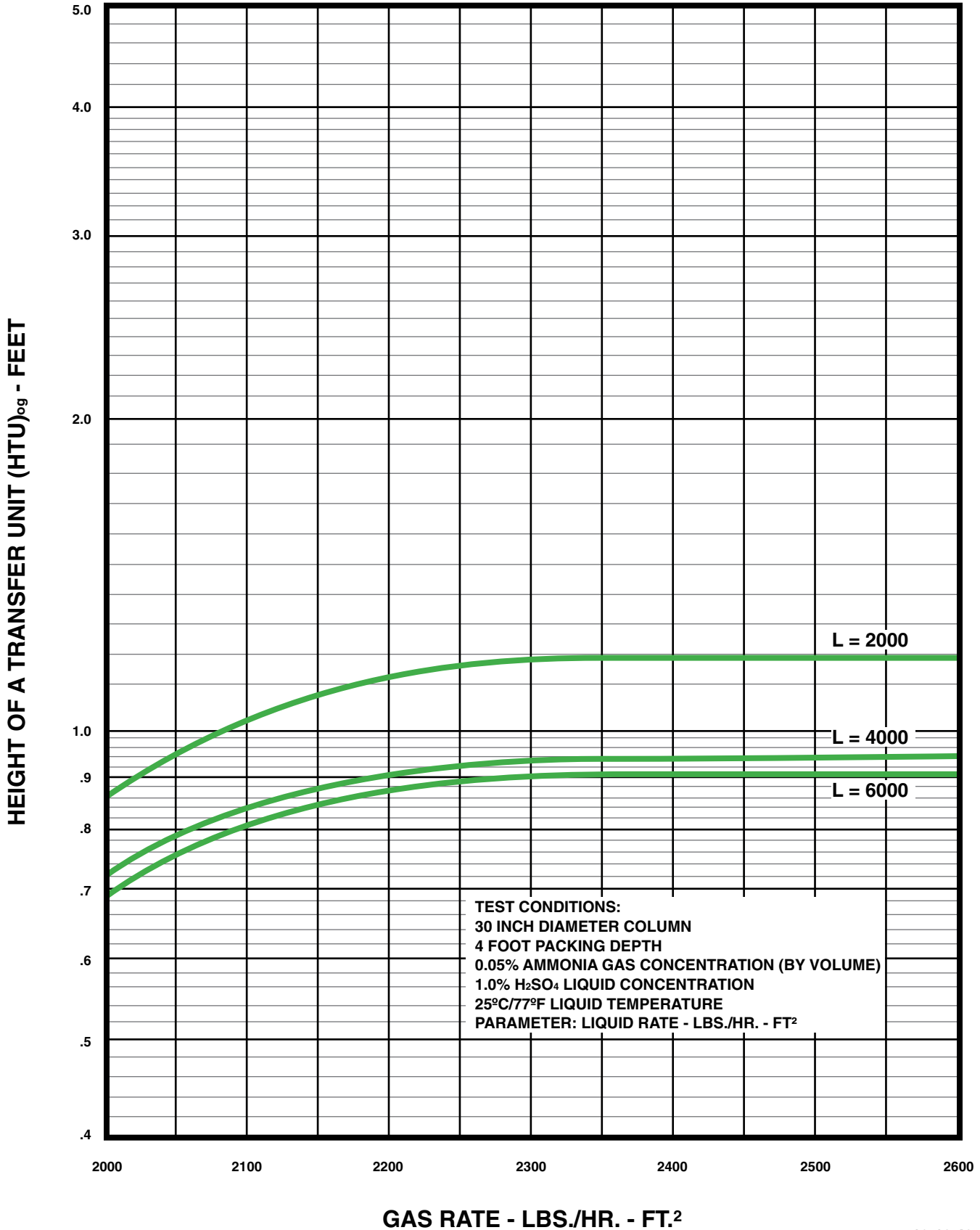




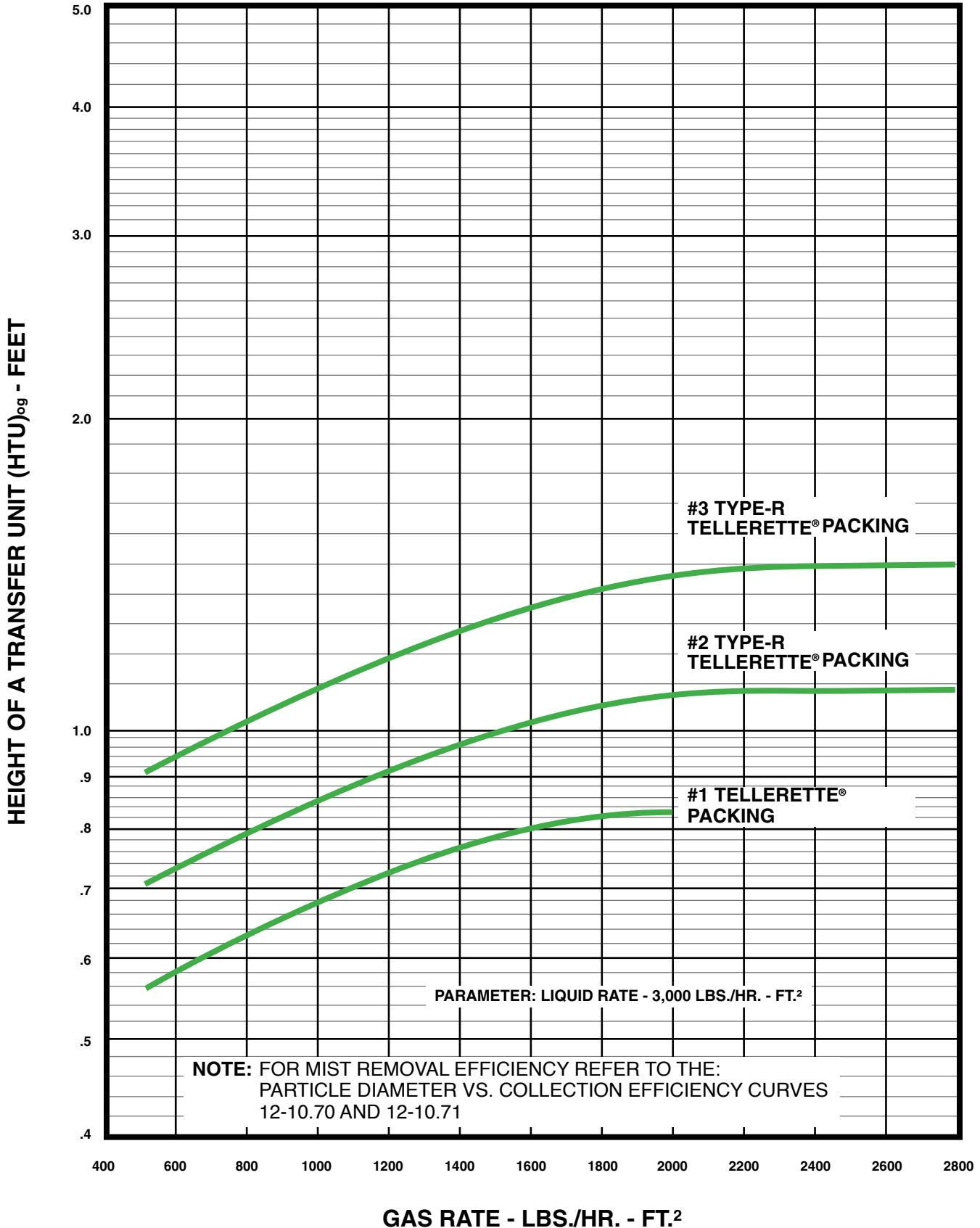
**HTU vs. GAS RATE  
#2 TYPE-R TELLERETTE® TOWER PACKING  
AMMONIA-AIR-WATER SYSTEM  
COUNTERCURRENT FLOW**



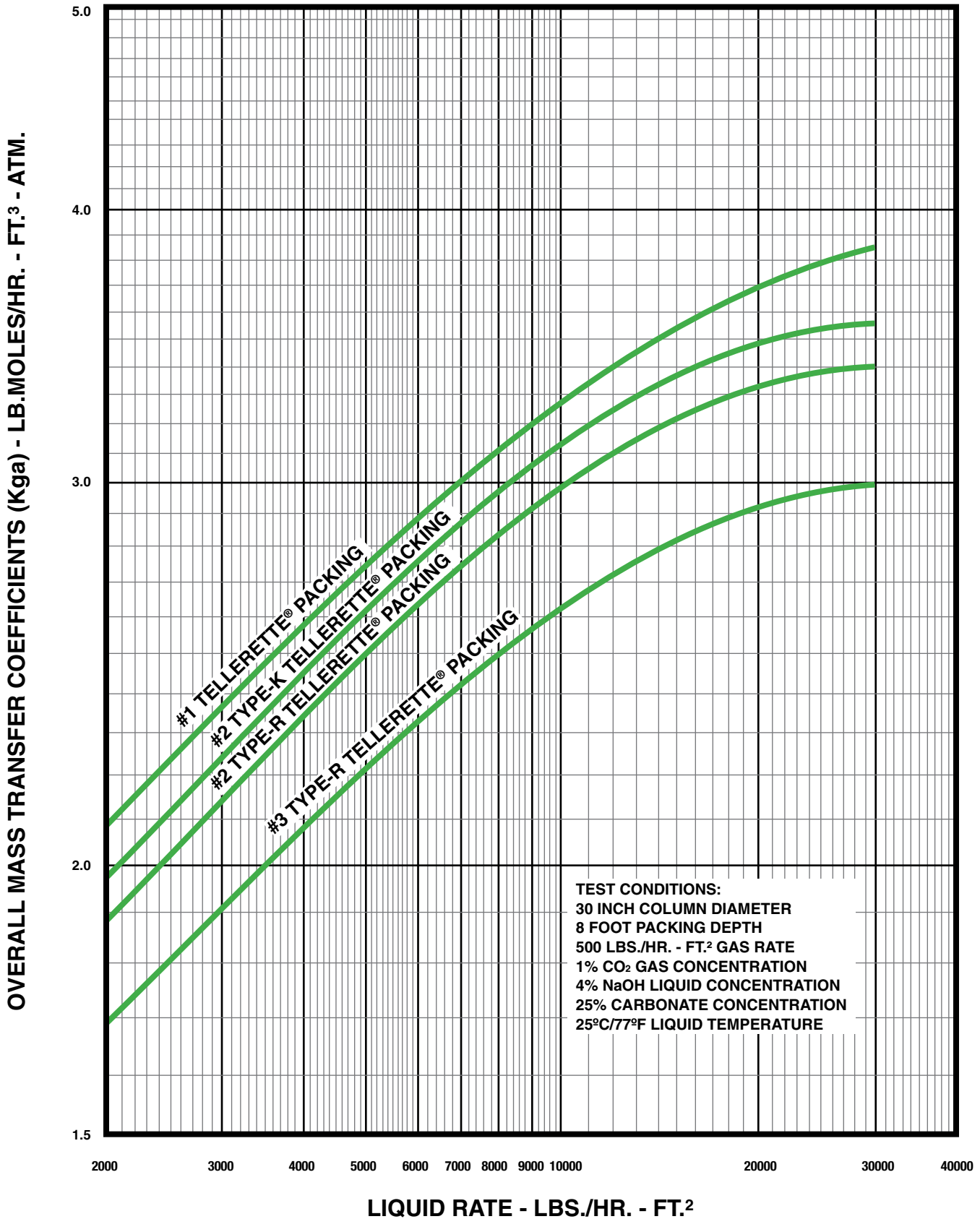
**HTU vs. GAS RATE**  
**#2 TYPE-R TELLERETTE® PACKING**  
**AMMONIA-AIR-SULFURIC ACID SYSTEM**  
**COUNTERCURRENT FLOW**



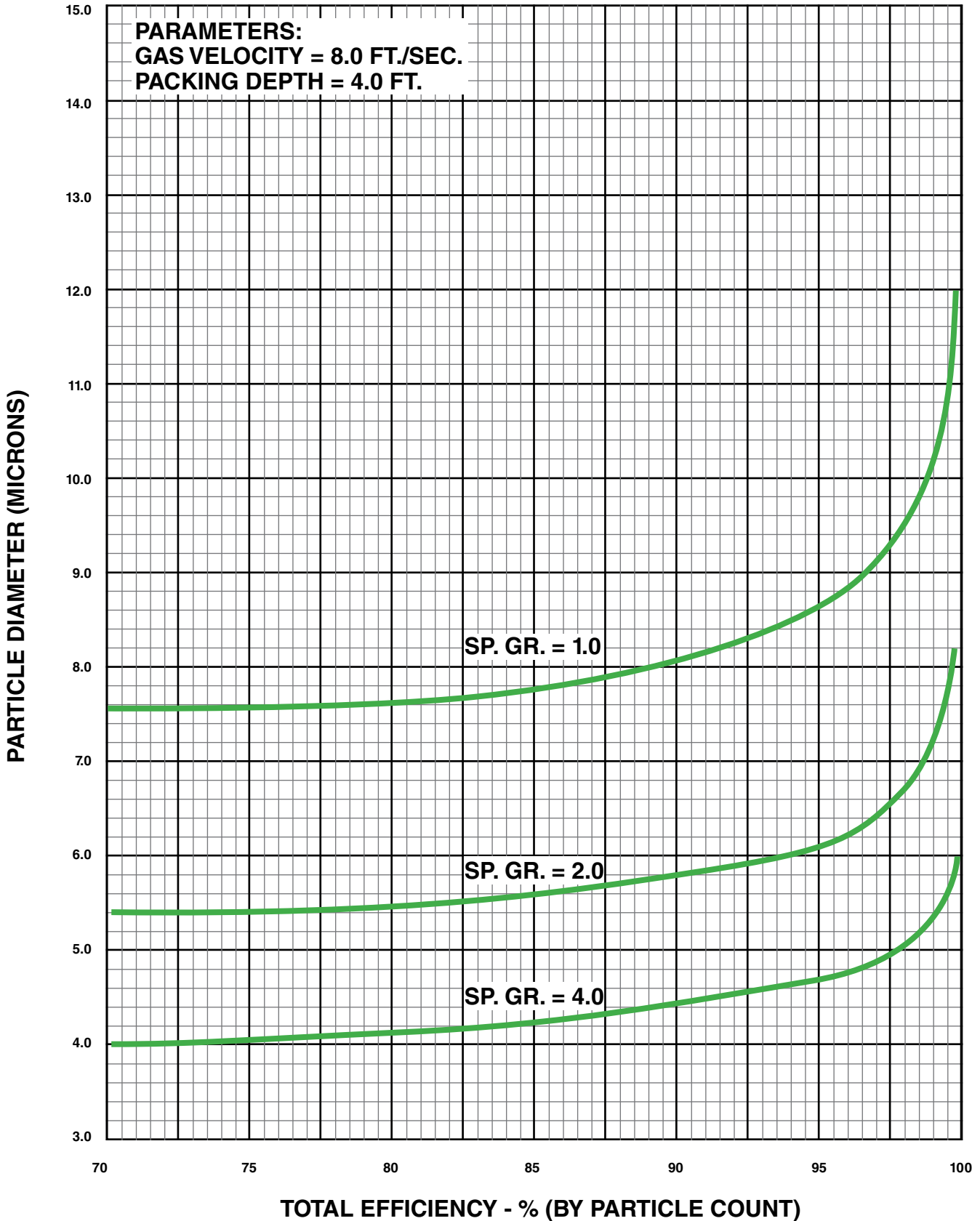
**HTU vs. GAS RATE  
 TELLERETTE® TOWER PACKING  
 GASEOUS HYDROCHLORIC ACID-AIR-WATER SYSTEM  
 COUNTERCURRENT FLOW**



**Kga vs. LIQUID RATE**  
**TELLERETTE® TOWER PACKING**  
**CARBON DIOXIDE-AIR-CAUSTIC SYSTEM**  
**COUNTERCURRENT FLOW**

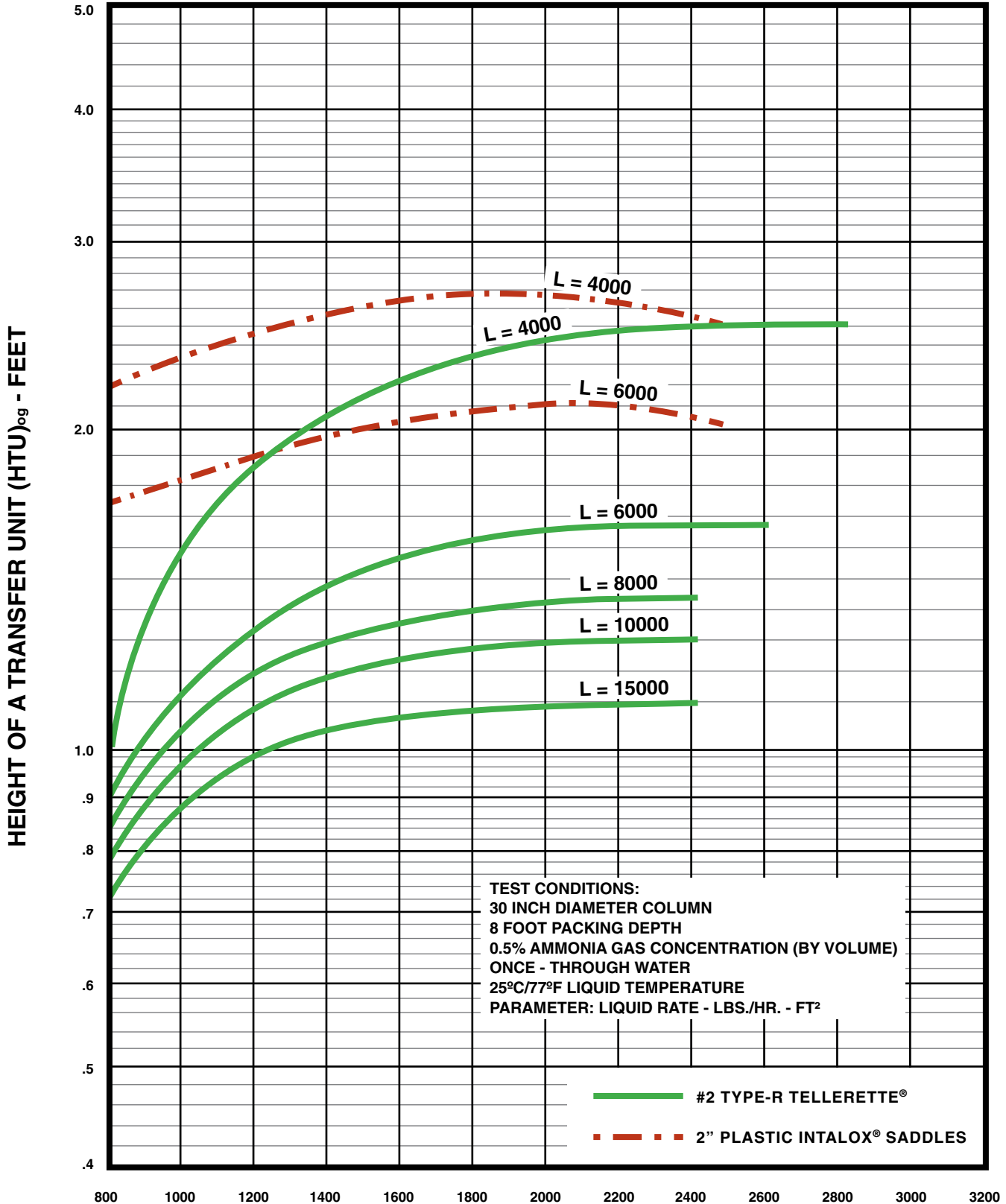


**TELLERETTE® PERFORMANCE  
PARTICLE DIAMETER VS. COLLECTION EFFICIENCY  
#2 TYPE-R TELLERETTE® TOWER PACKING**



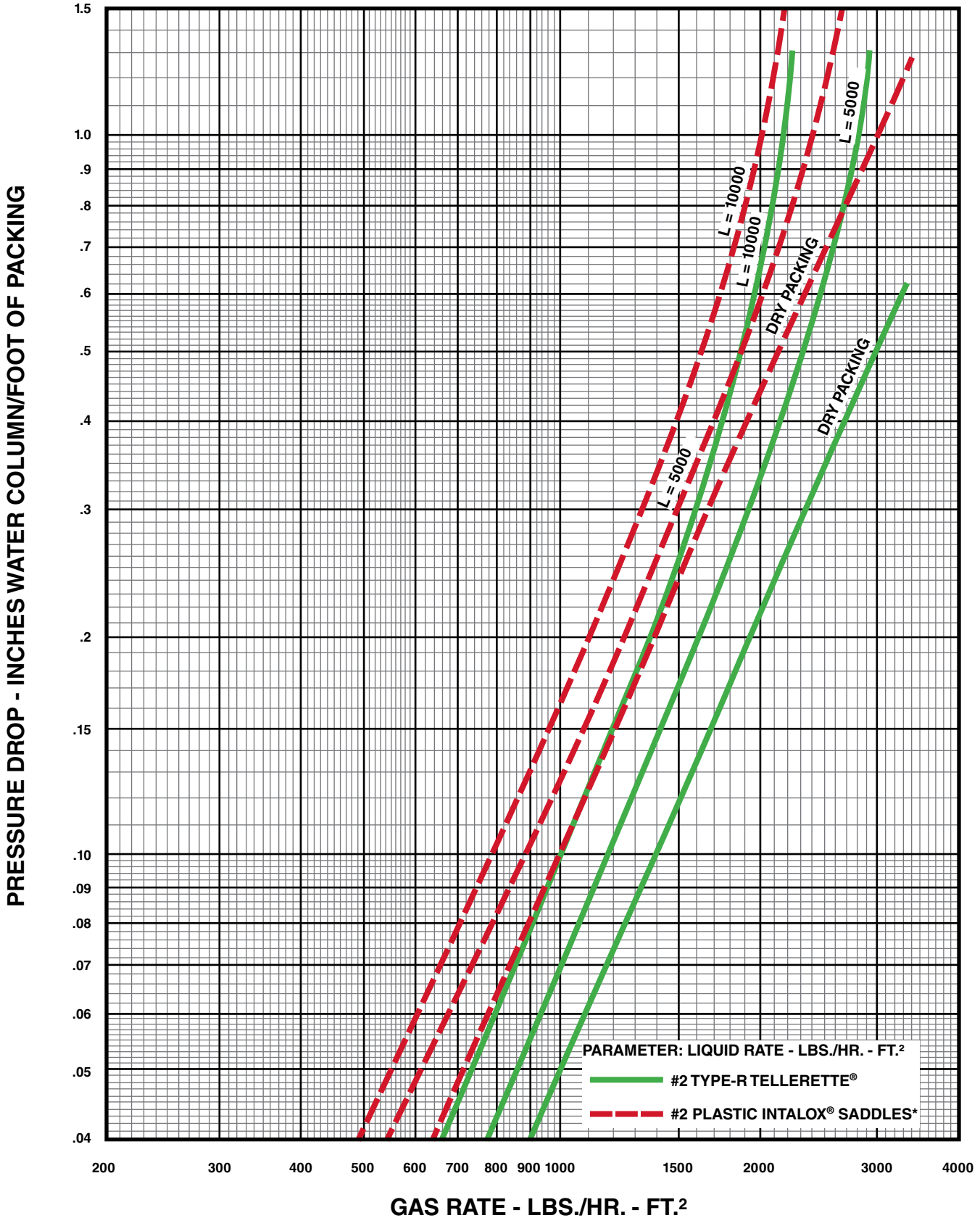
12-10.71

**HTU vs. GAS RATE  
 #2 TYPE-R TELLERETTE® vs.  
 2" INTALOX® SADDLE PACKING\*  
 AMMONIA-AIR-WATER SYSTEM  
 COUNTERCURRENT FLOW**



\* REGISTERED TRADEMARK OF KOCH-GLITSCH. **GAS RATE - LBS./HR. - FT.<sup>2</sup>**

**PRESSURE DROP vs. GAS RATE  
#2 TYPE-R TELLERETTE® vs.  
2" INTALOX® SADDLE PACKING\*  
AIR-WATER SYSTEM  
COUNTERCURRENT FLOW**



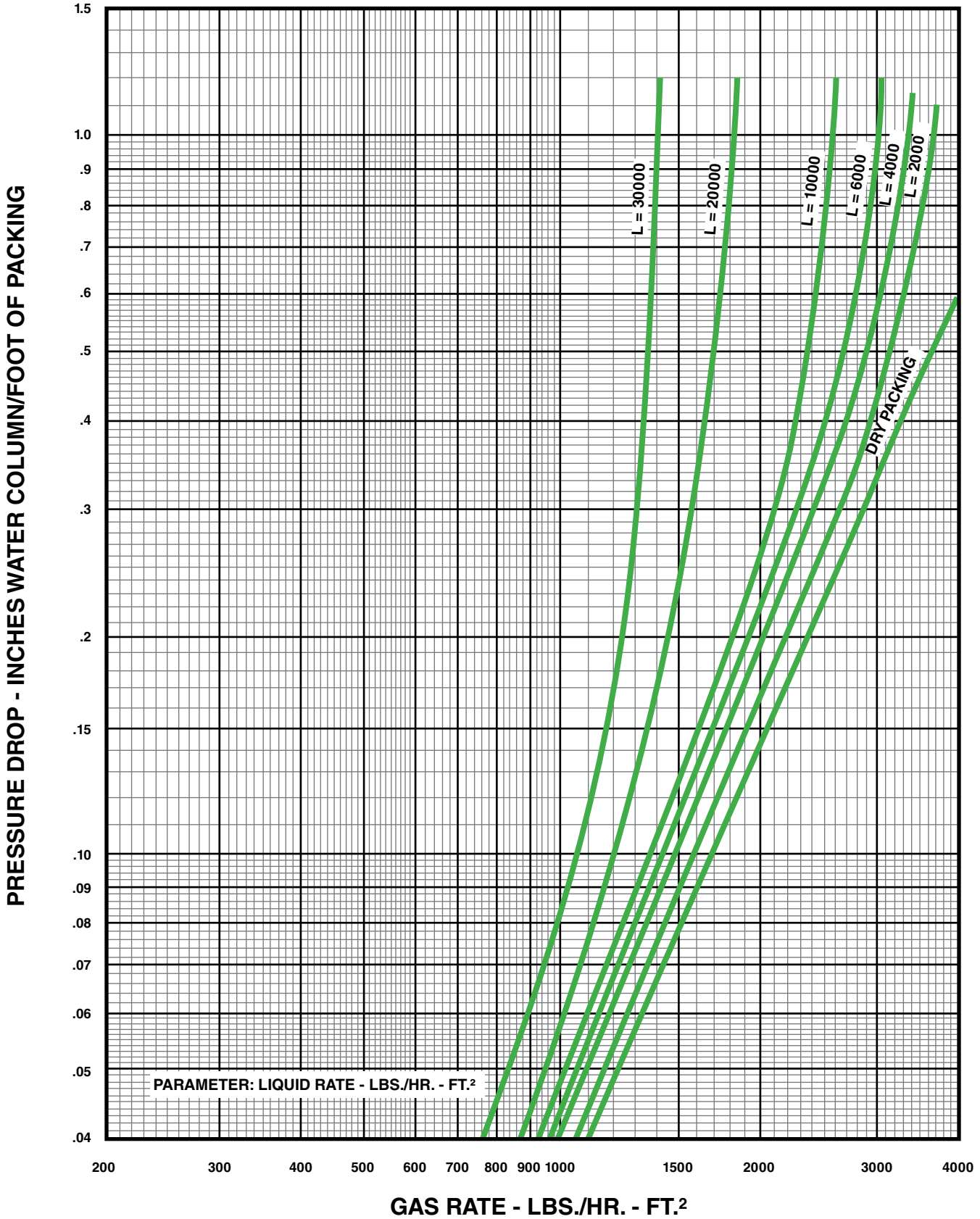
\*REGISTERED TRADEMARK OF KOCH - GLITSCH

12-10.83

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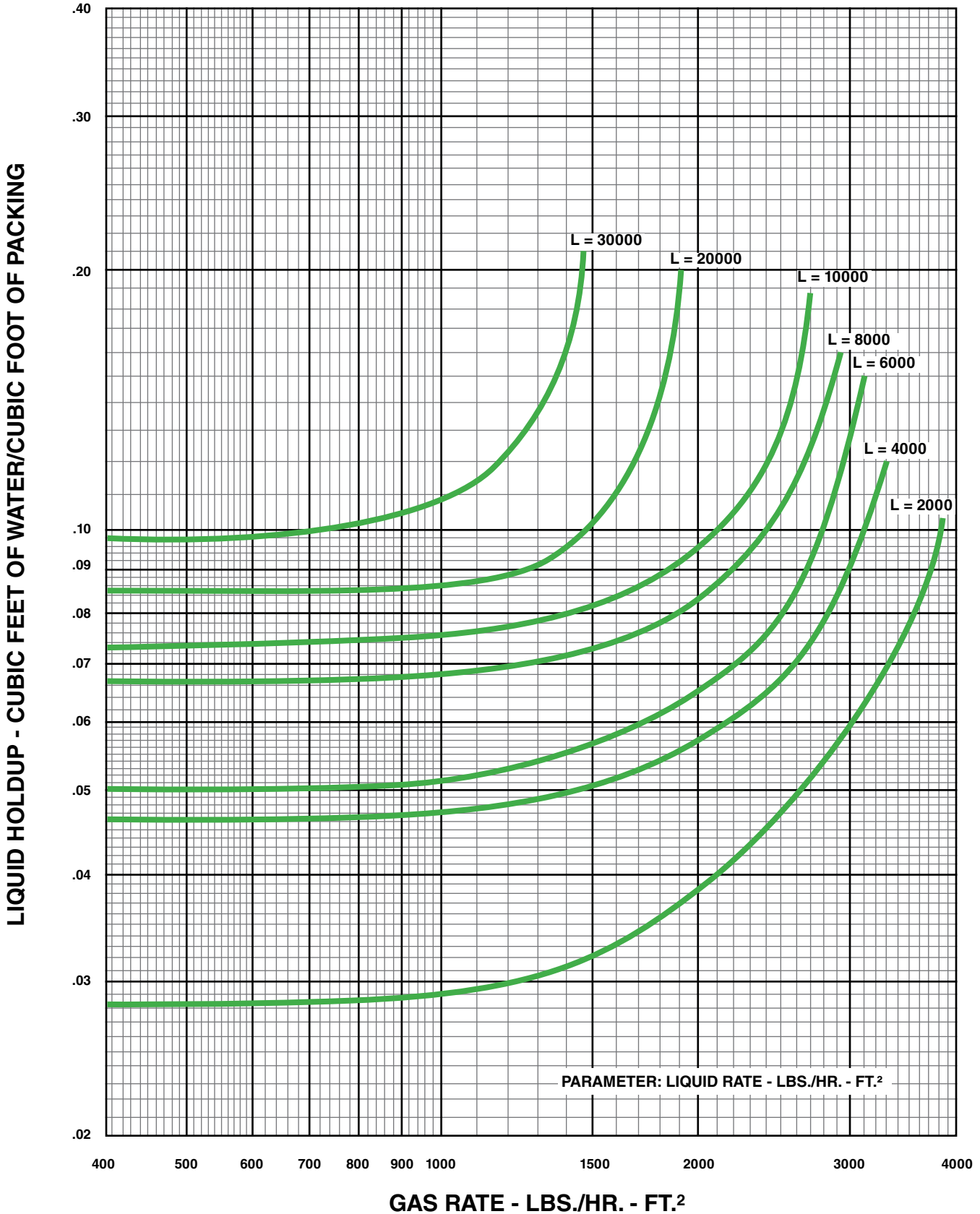
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**PRESSURE DROP vs. GAS RATE**  
**#2 TYPE-K TELLERETTE® TOWER PACKING**  
**AIR-WATER SYSTEM**  
**COUNTERCURRENT FLOW**

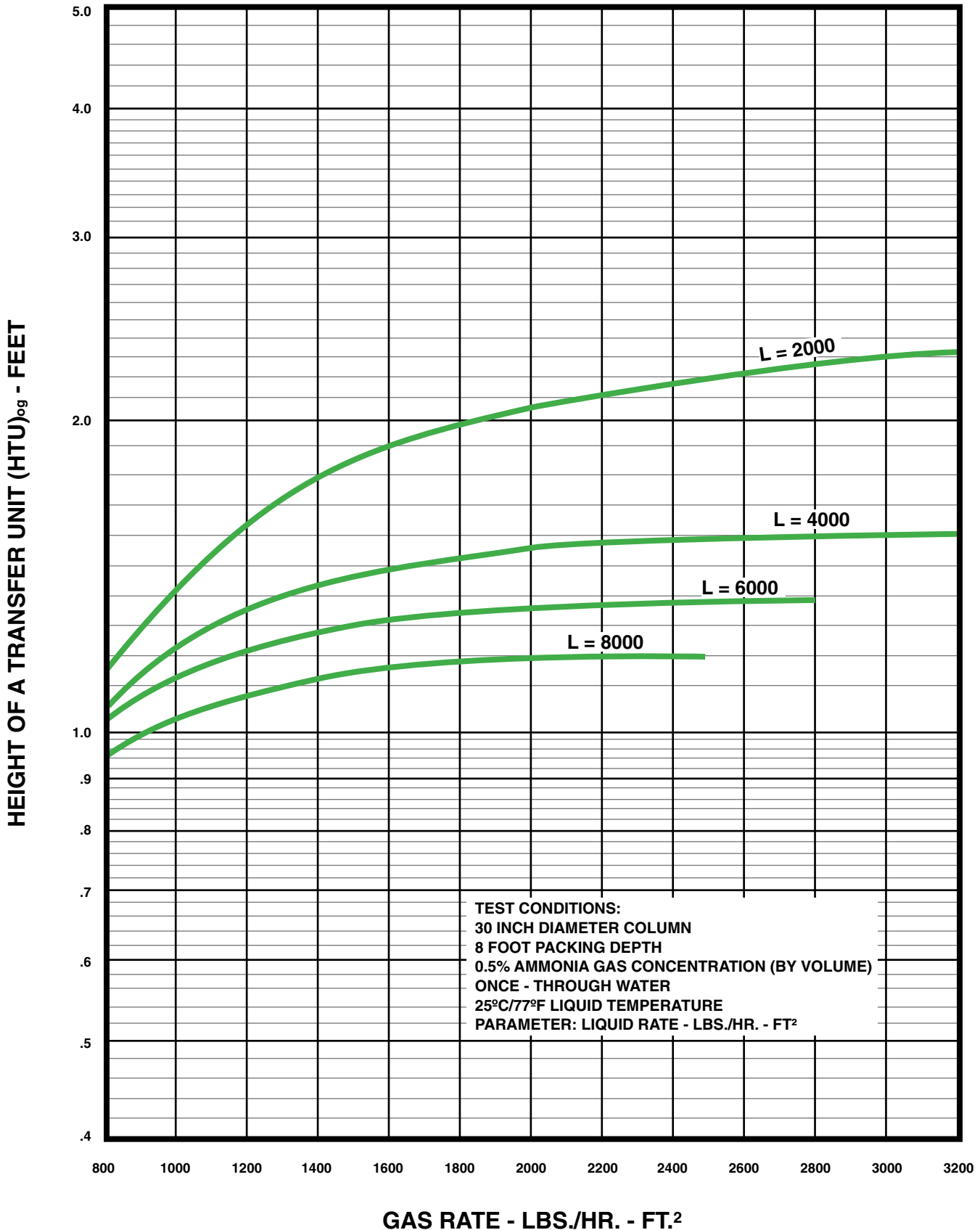




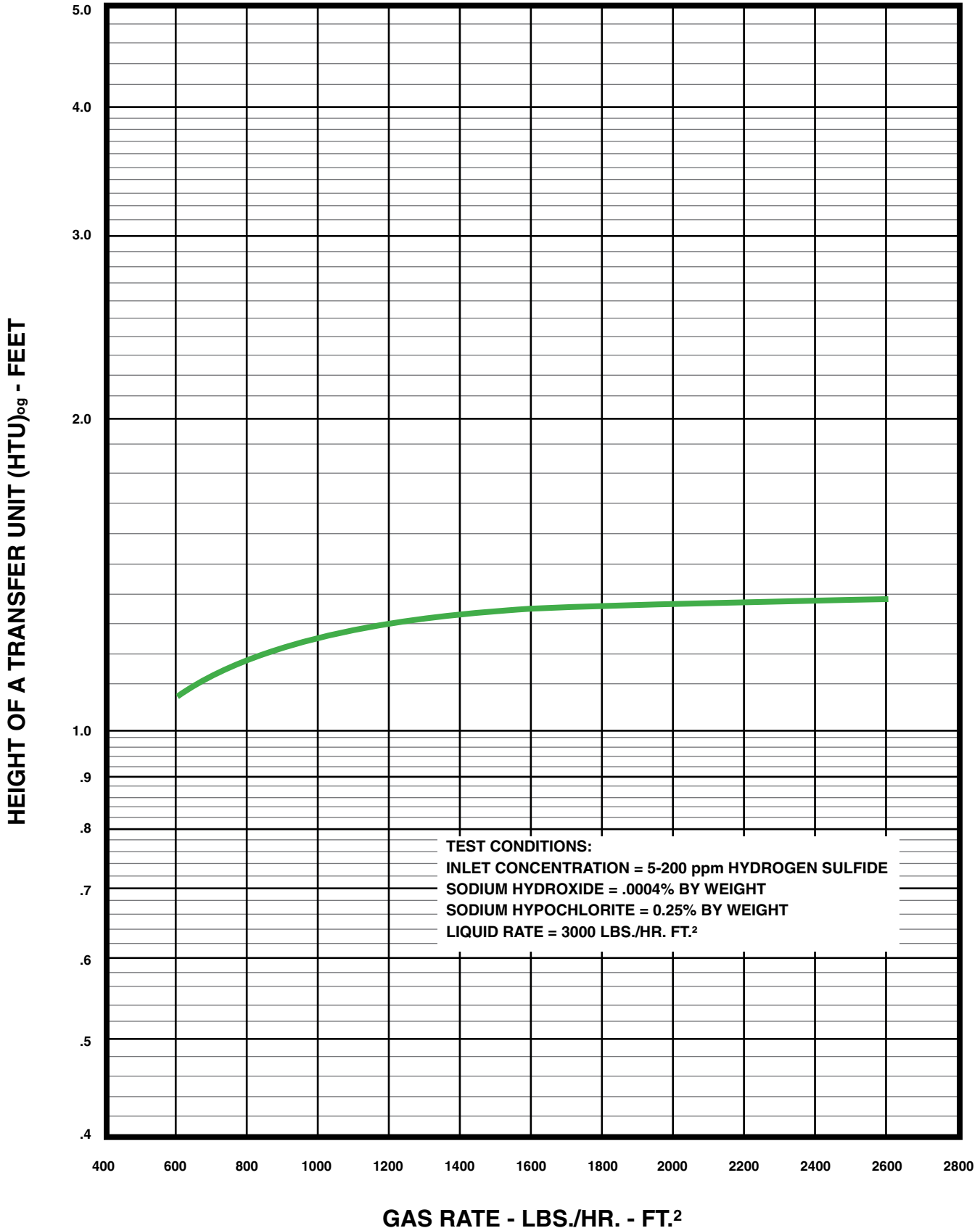
**LIQUID HOLDUP vs. GAS RATE**  
**#2 TYPE-K TELLERETTE® TOWER PACKING**  
**AIR-WATER SYSTEM**  
**COUNTERCURRENT FLOW**



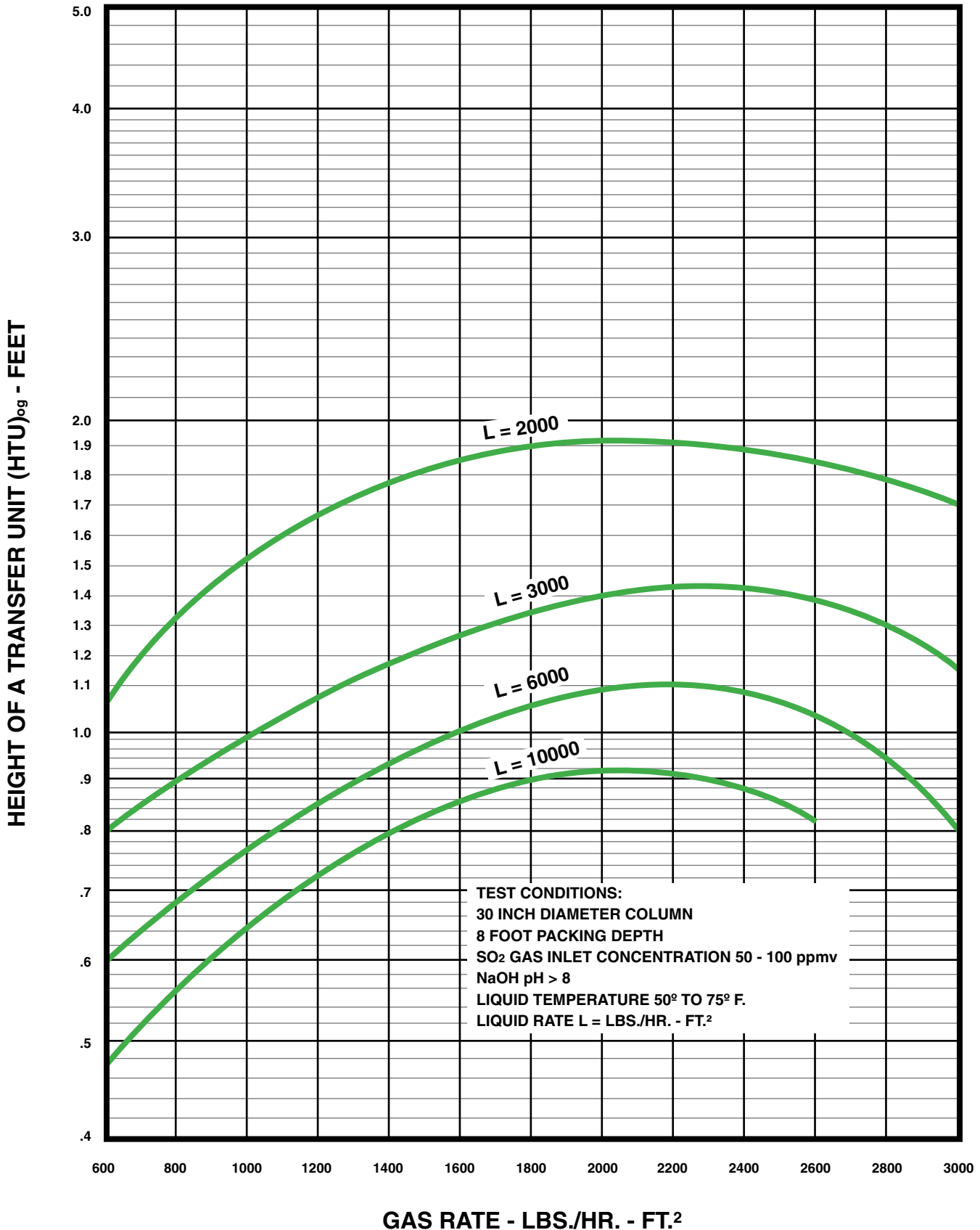
**HTU vs. GAS RATE**  
**#2 TYPE-K TELLERETTE® TOWER PACKING**  
**AMMONIA-AIR-WATER SYSTEM**  
**COUNTERCURRENT FLOW**



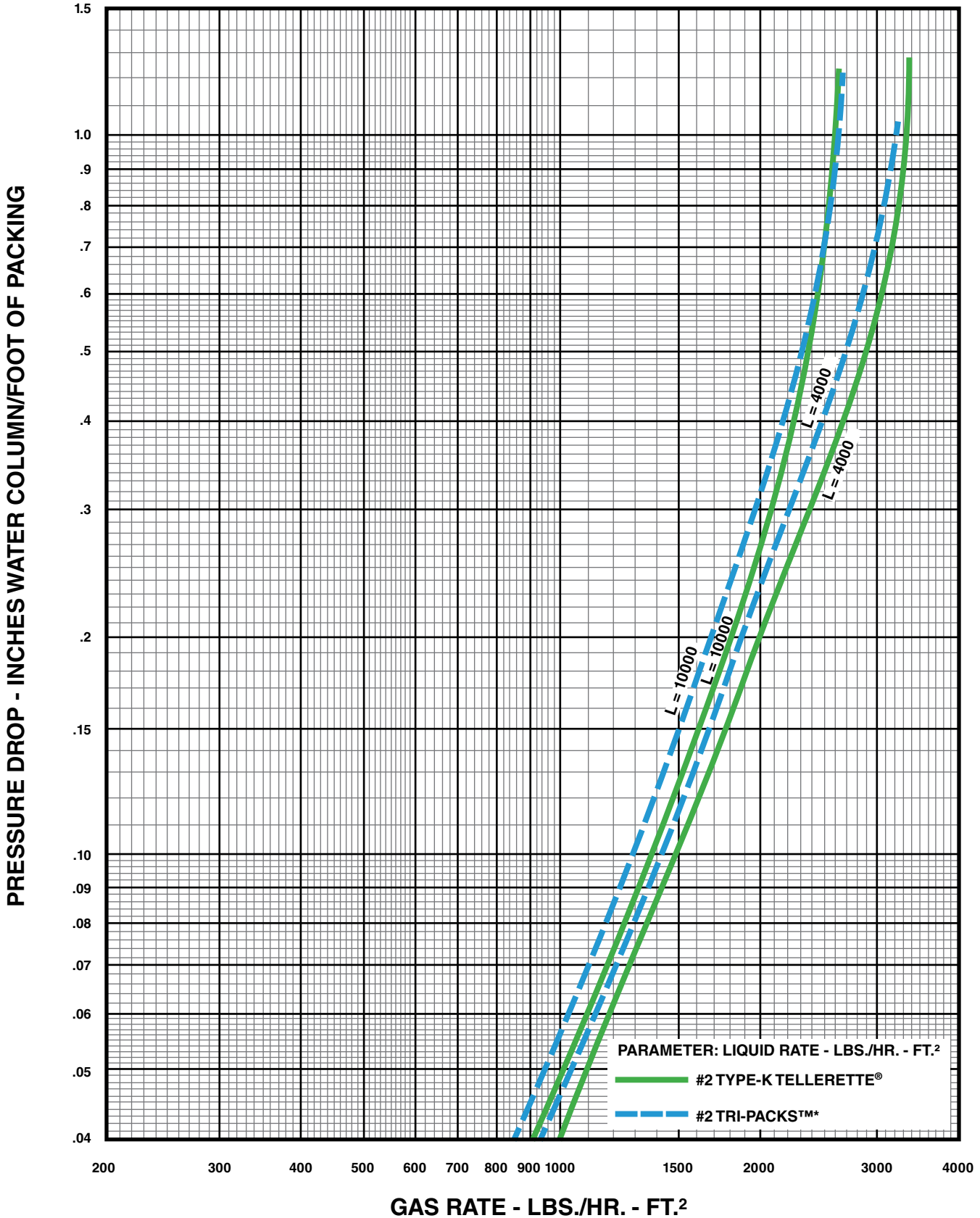
**HTU vs. GAS RATE**  
**#2 TYPE-K TELLERETTE® TOWER PACKING**  
**HYDROGEN SULFIDE-AIR-CAUSTIC/HYPO**  
**COUNTERCURRENT FLOW**



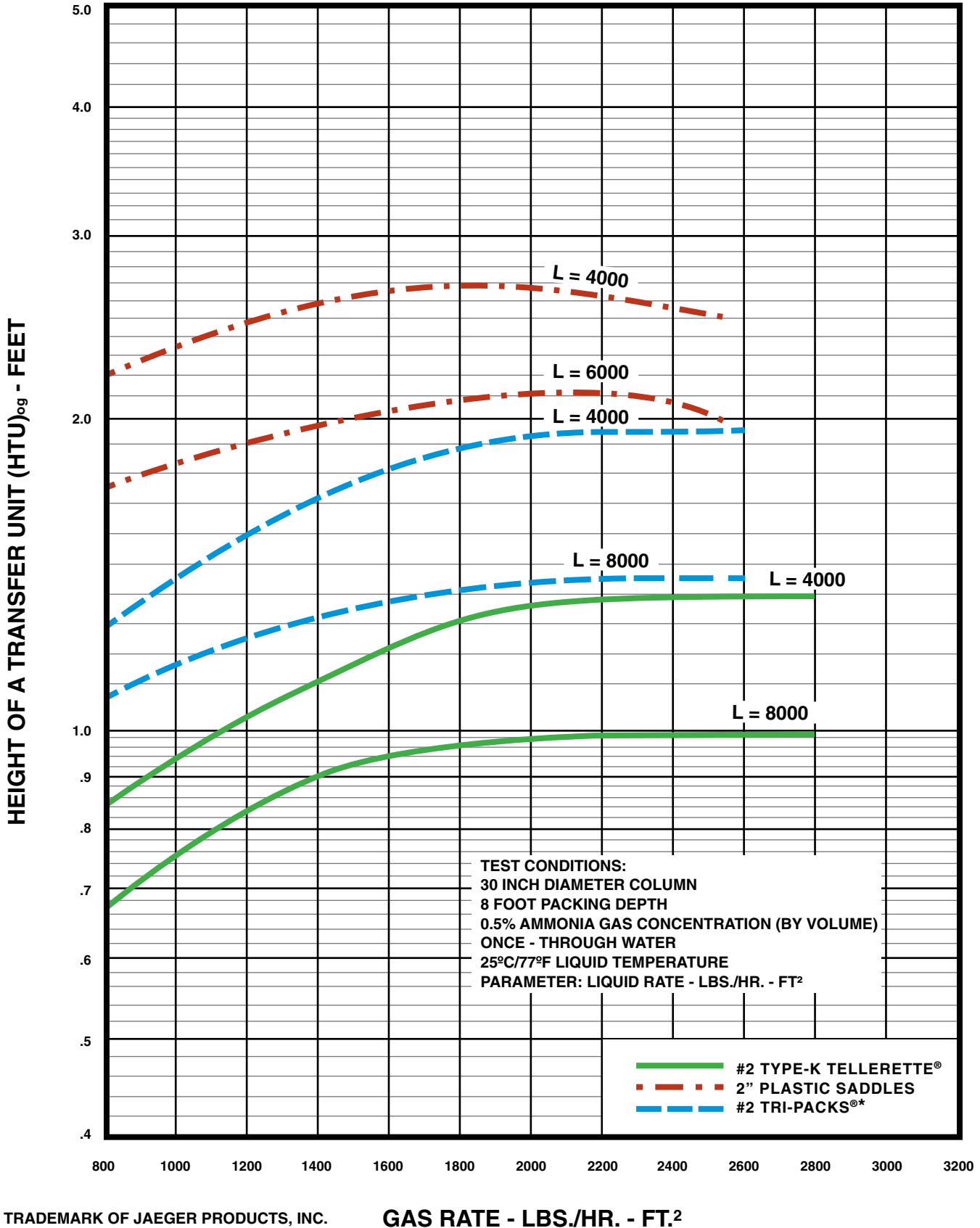
**HTU vs. GAS RATE**  
**#2 TYPE-K TELLERETTE® PACKING**  
**SULFUR DIOXIDE-AIR-CAUSTIC**  
**COUNTERCURRENT FLOW**



**PRESSURE DROP vs. GAS RATE**  
**#2 TYPE-K TELLERETTE® vs. #2 TRI-PACKS®\***  
**AIR-WATER SYSTEM**  
**COUNTERCURRENT FLOW**



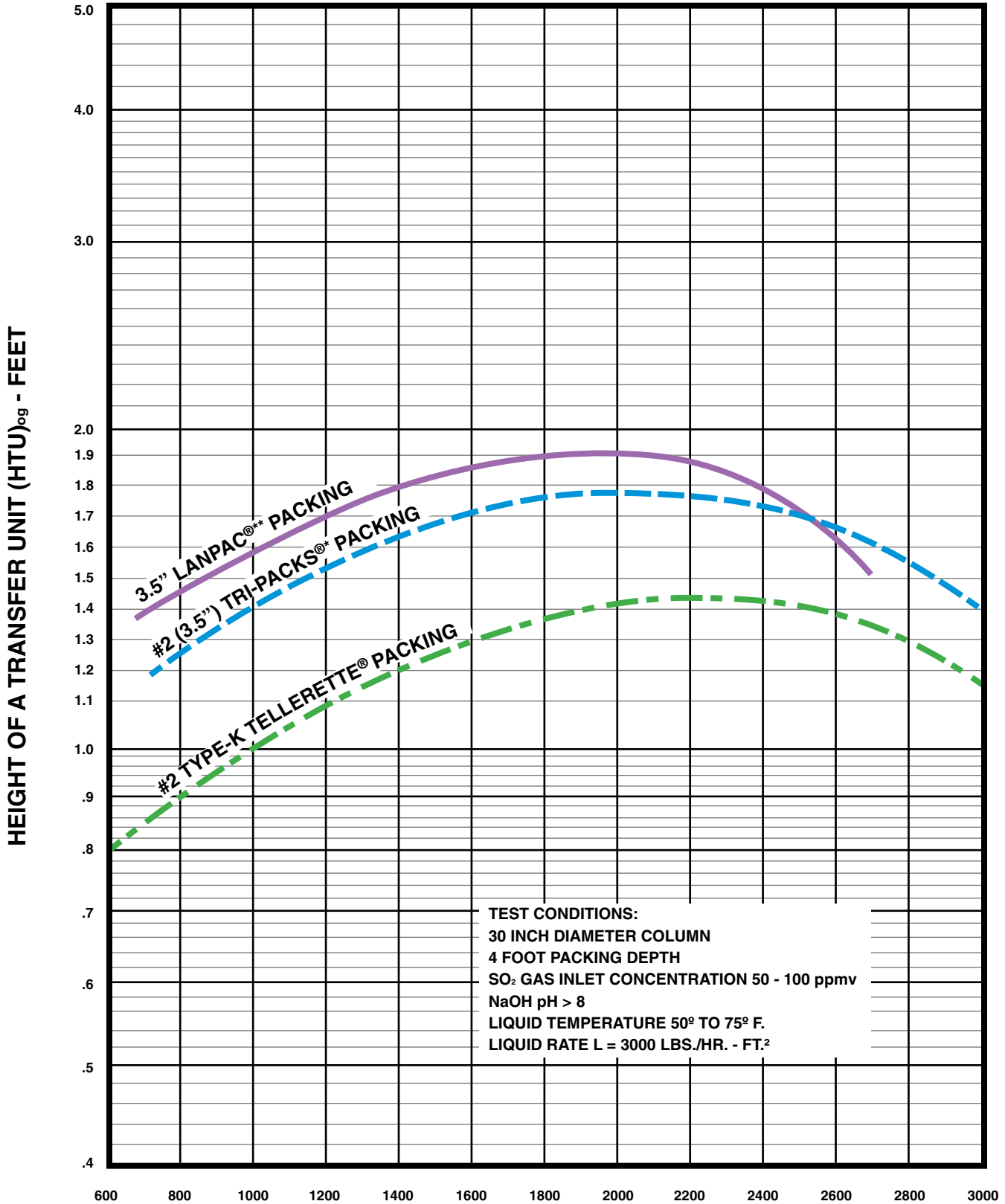
**HTU vs. GAS RATE  
 #2 TYPE-K TELLERETTE® vs.  
 #2 TRI-PACKS® vs.  
 2" SADDLE PACKING  
 AMMONIA-AIR-WATER SYSTEM  
 COUNTERCURRENT FLOW**



\* TRADEMARK OF JAEGER PRODUCTS, INC.

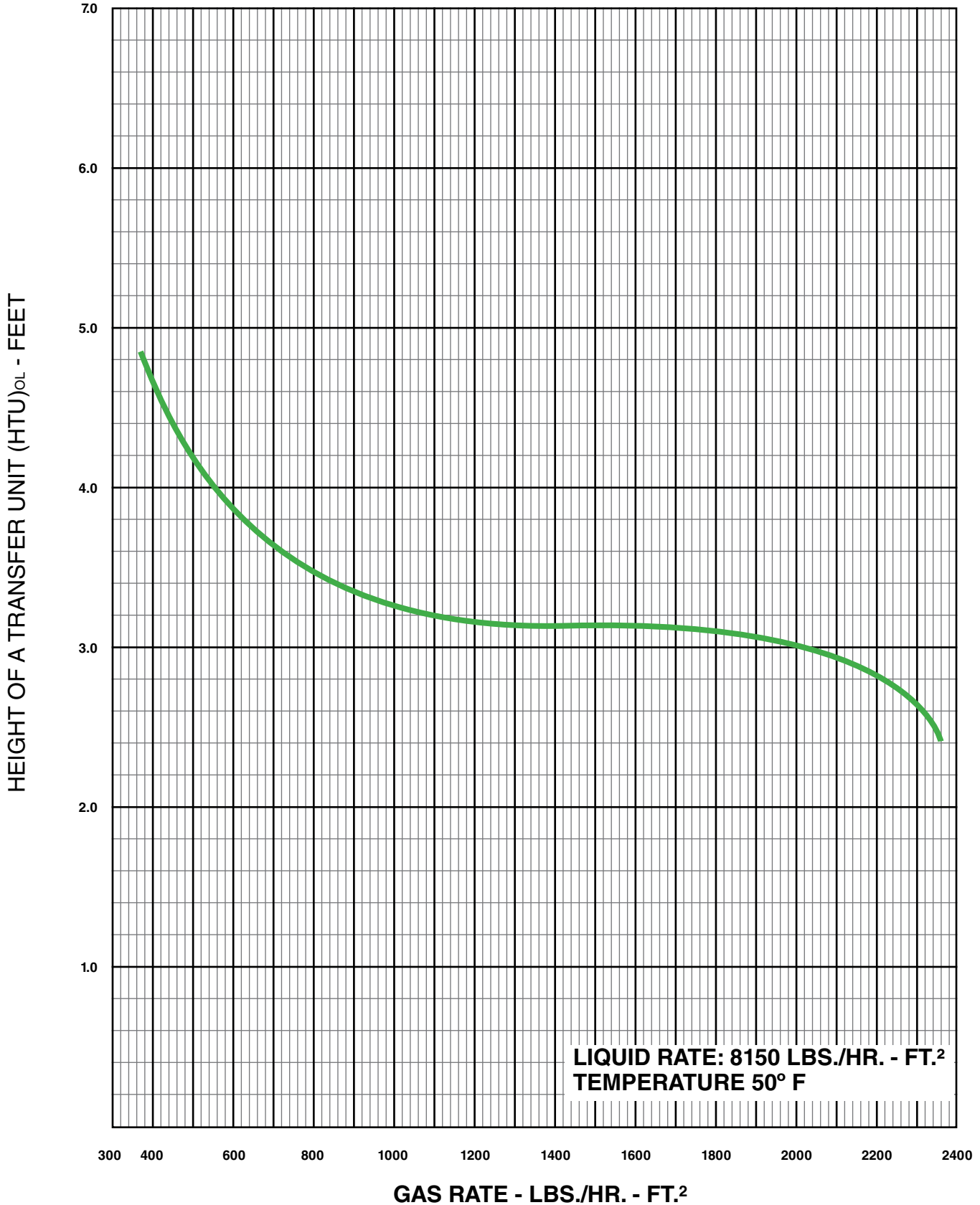
**GAS RATE - LBS./HR. - FT.<sup>2</sup>**

**HTU vs. GAS RATE  
 #2 TYPE-K TELLERETTE® vs.  
 #2 (3.5") TRI-PACKS®\* vs.  
 3.5" LANPAC®\*\* PACKING  
 SULFUR DIOXIDE-AIR-CAUSTIC  
 COUNTERCURRENT FLOW**



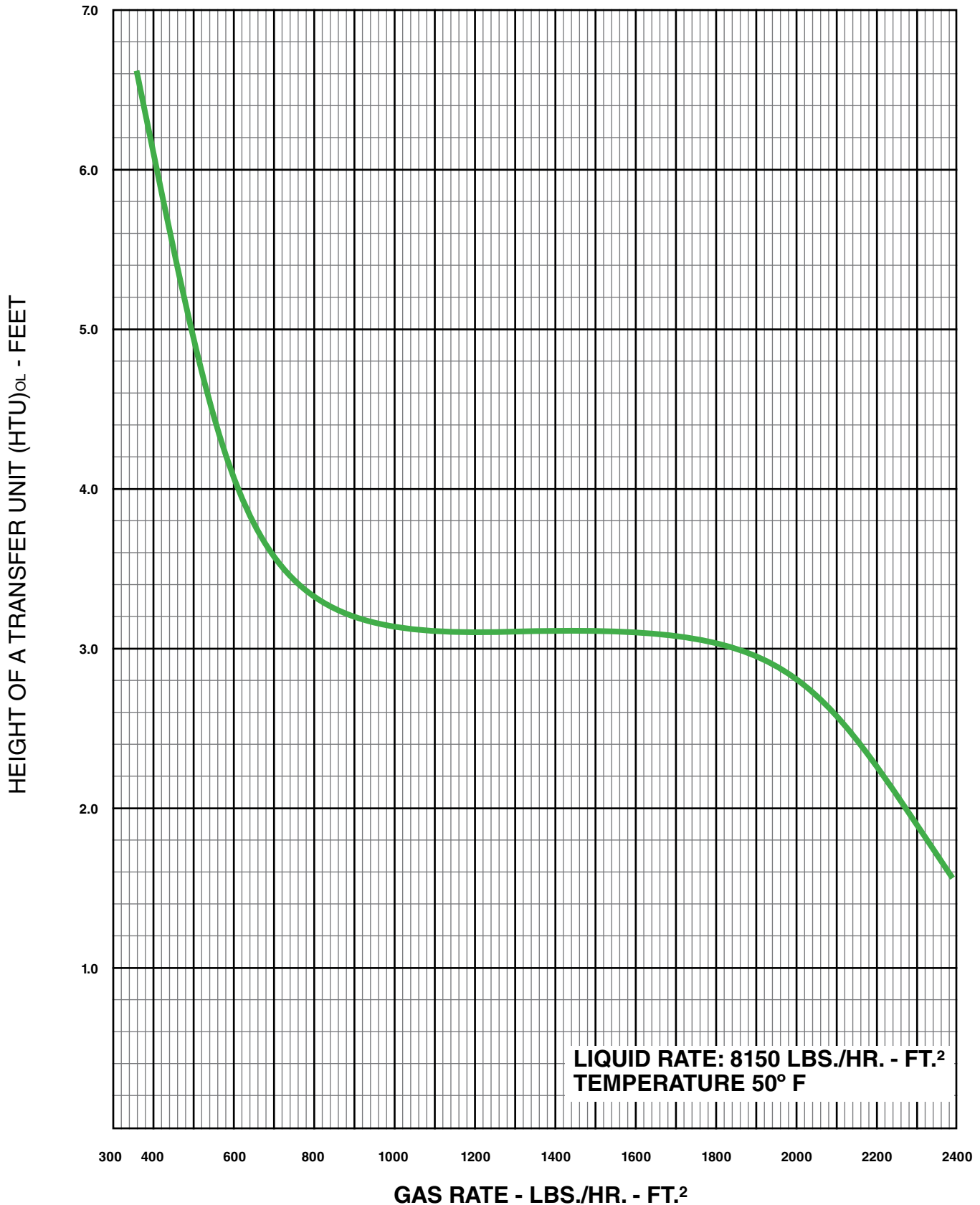
\* TRADEMARK OF JAEGER PRODUCTS INC.  
 \*\* TRADEMARK OF LANTEC PRODUCTS INC.

**STRIPPING DATA**  
**#2 TYPE-K TELLERETTE® TOWER PACKING**  
**TRICHLOROETHYLENE - AIR - WATER**

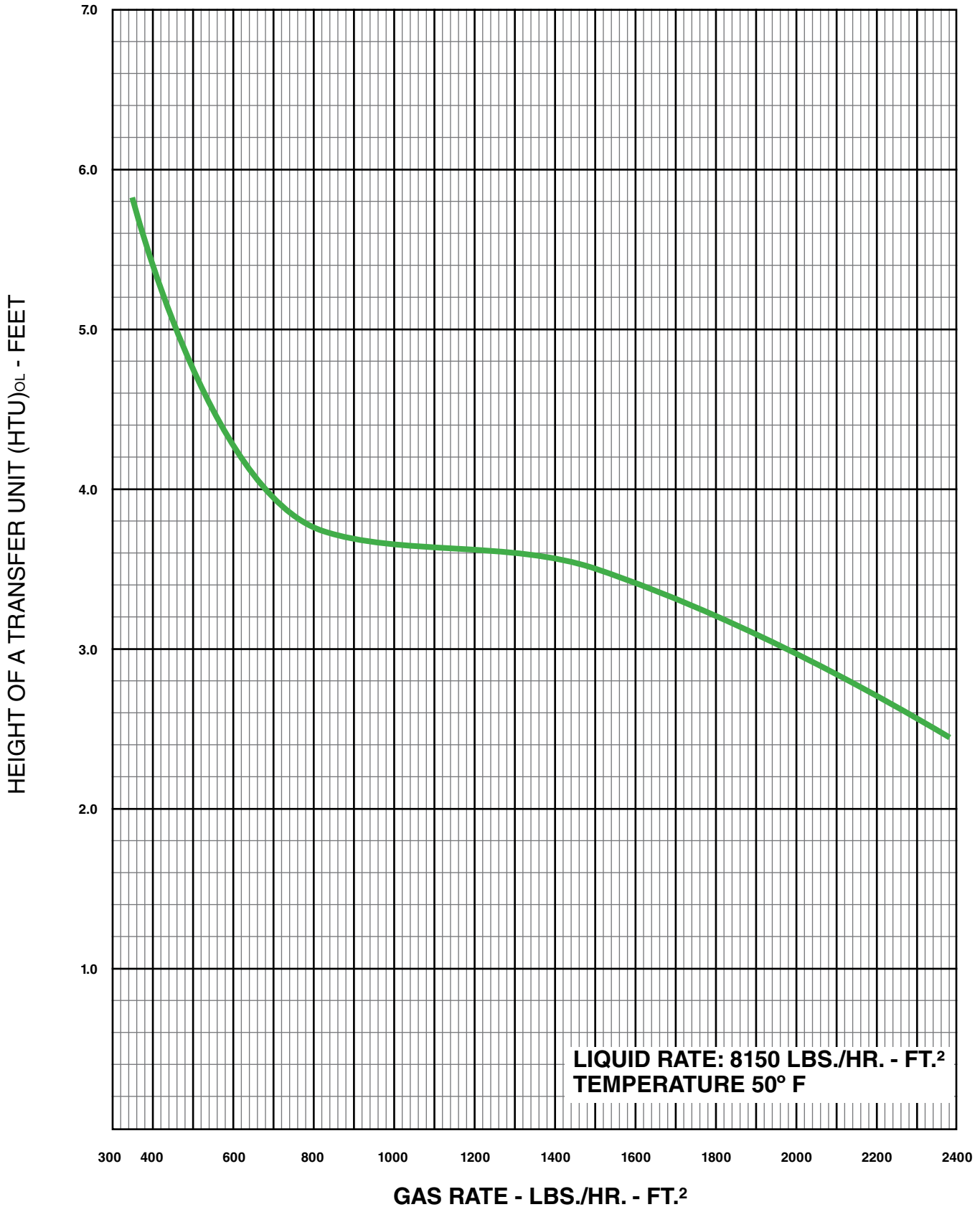




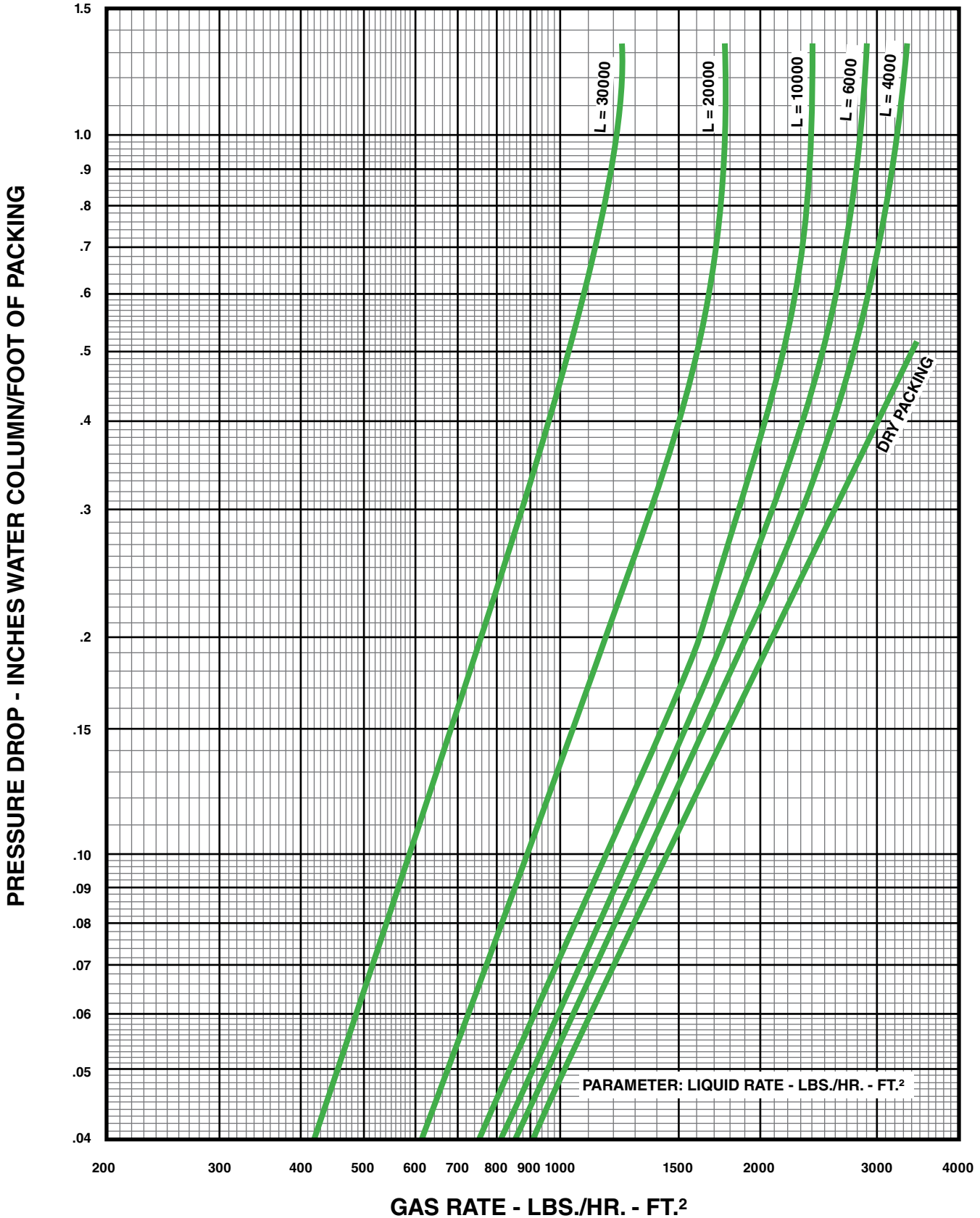
**STRIPPING DATA**  
**#2 TYPE-K TELLERETTE® TOWER PACKING**  
**METHYLENE CHLORIDE - AIR - WATER**



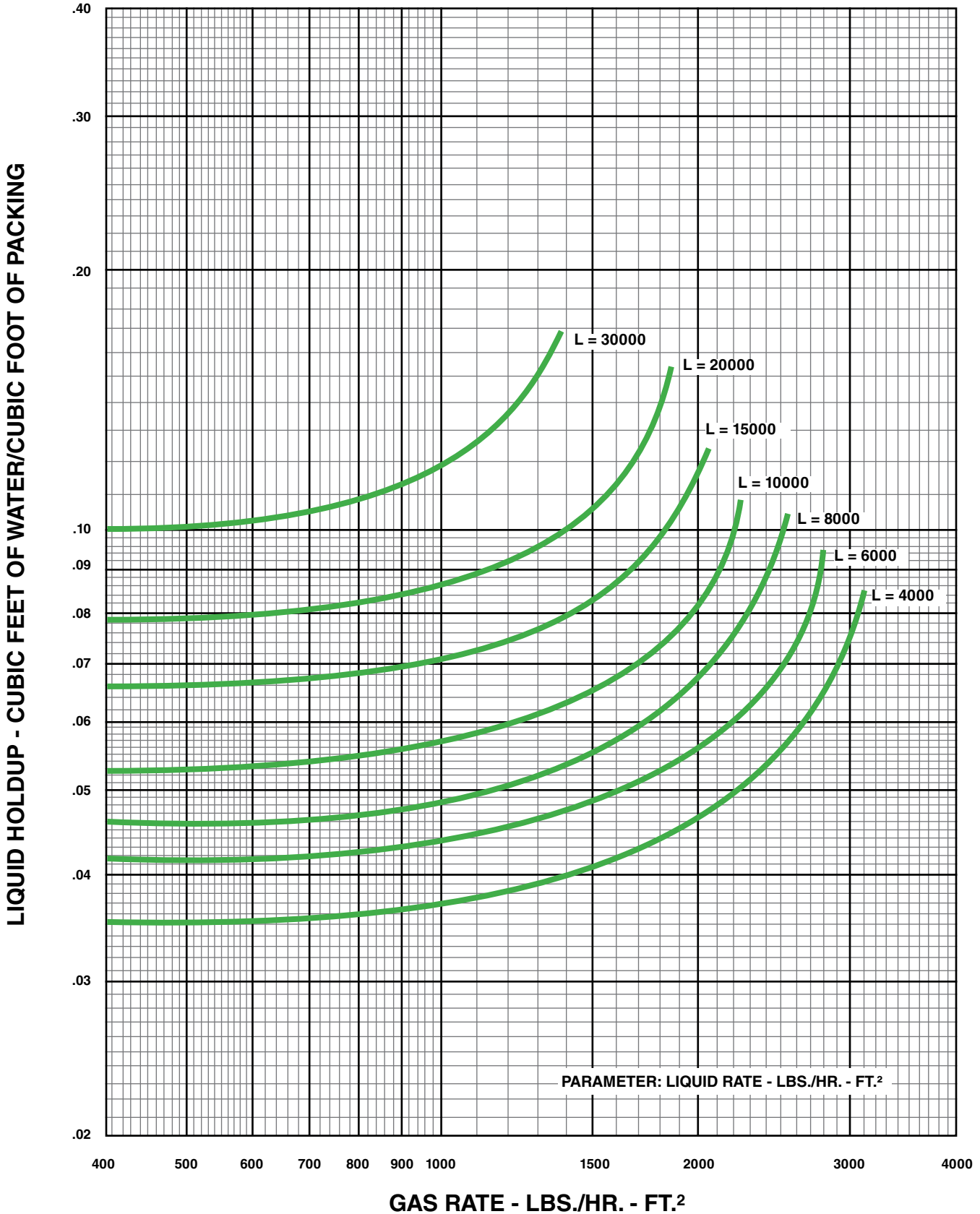
**STRIPPING DATA**  
**#2 TYPE-K TELLERETTE® TOWER PACKING**  
**CHLOROFORM - AIR - WATER**



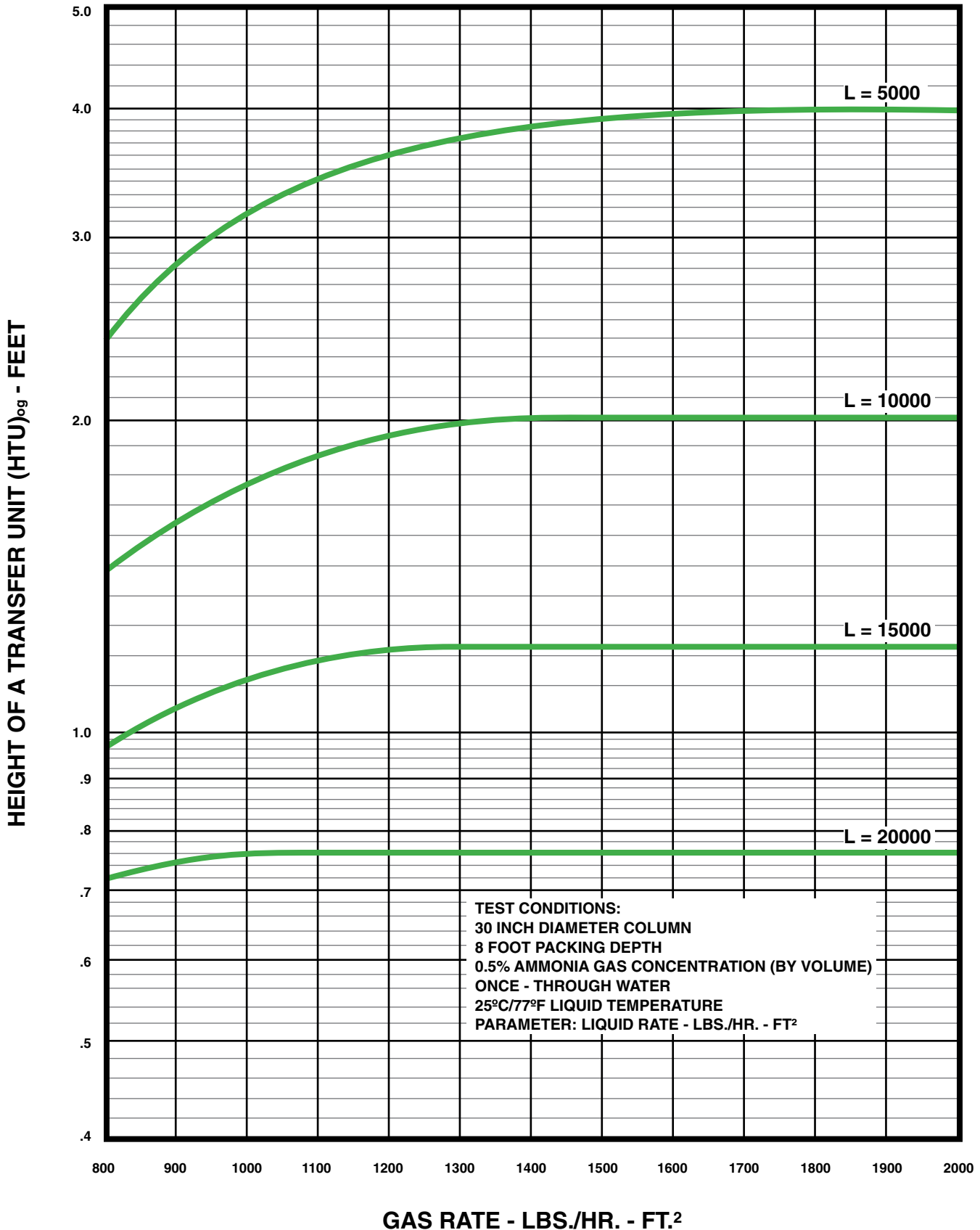
**PRESSURE DROP vs. GAS RATE**  
**#3 TYPE-R TELLERETTE® TOWER PACKING**  
**AIR-WATER SYSTEM**  
**COUNTERCURRENT FLOW**



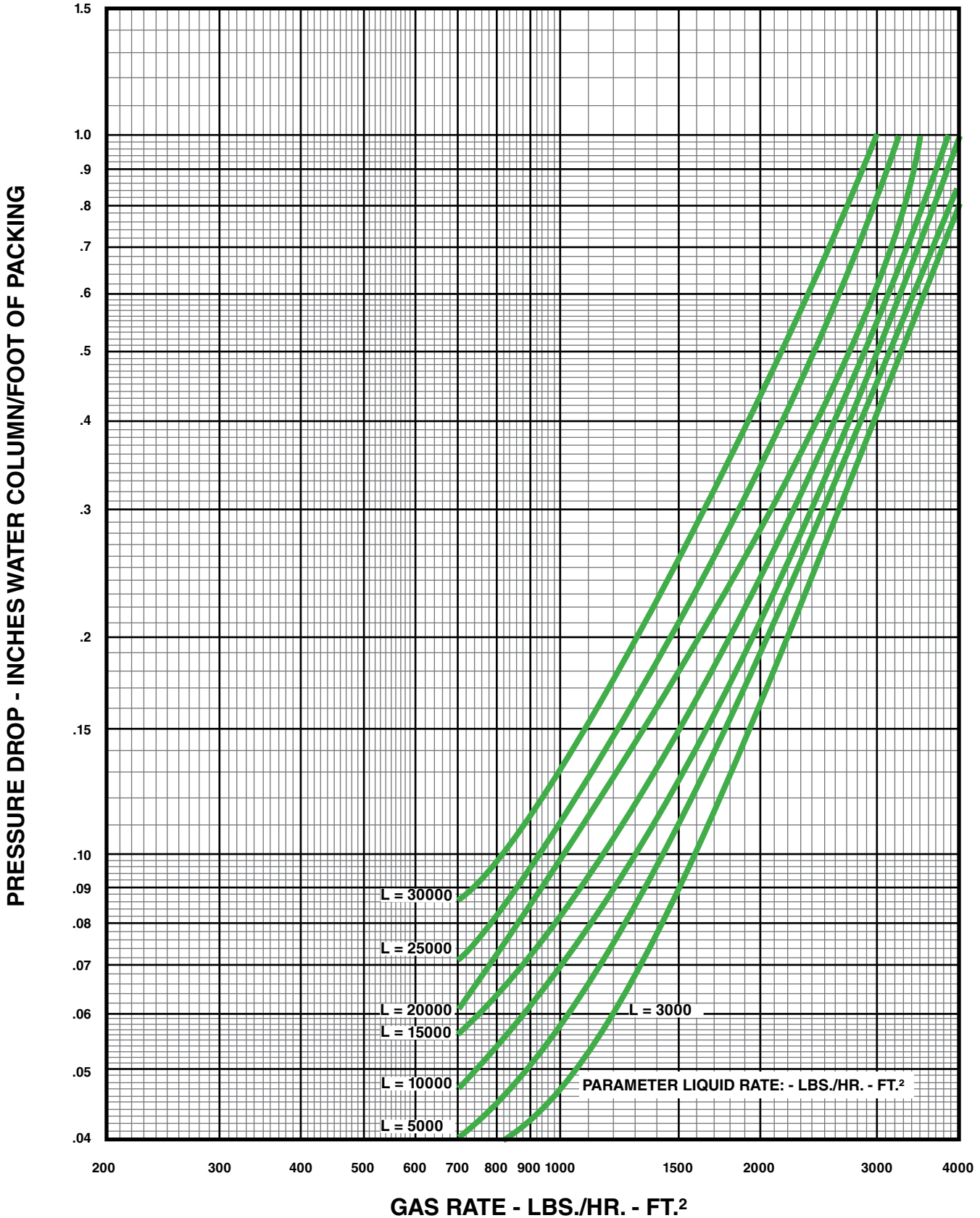
**LIQUID HOLDUP vs. GAS RATE**  
**#3 TYPE-R TELLERETTE® TOWER PACKING**  
**AIR-WATER SYSTEM**  
**COUNTERCURRENT FLOW**



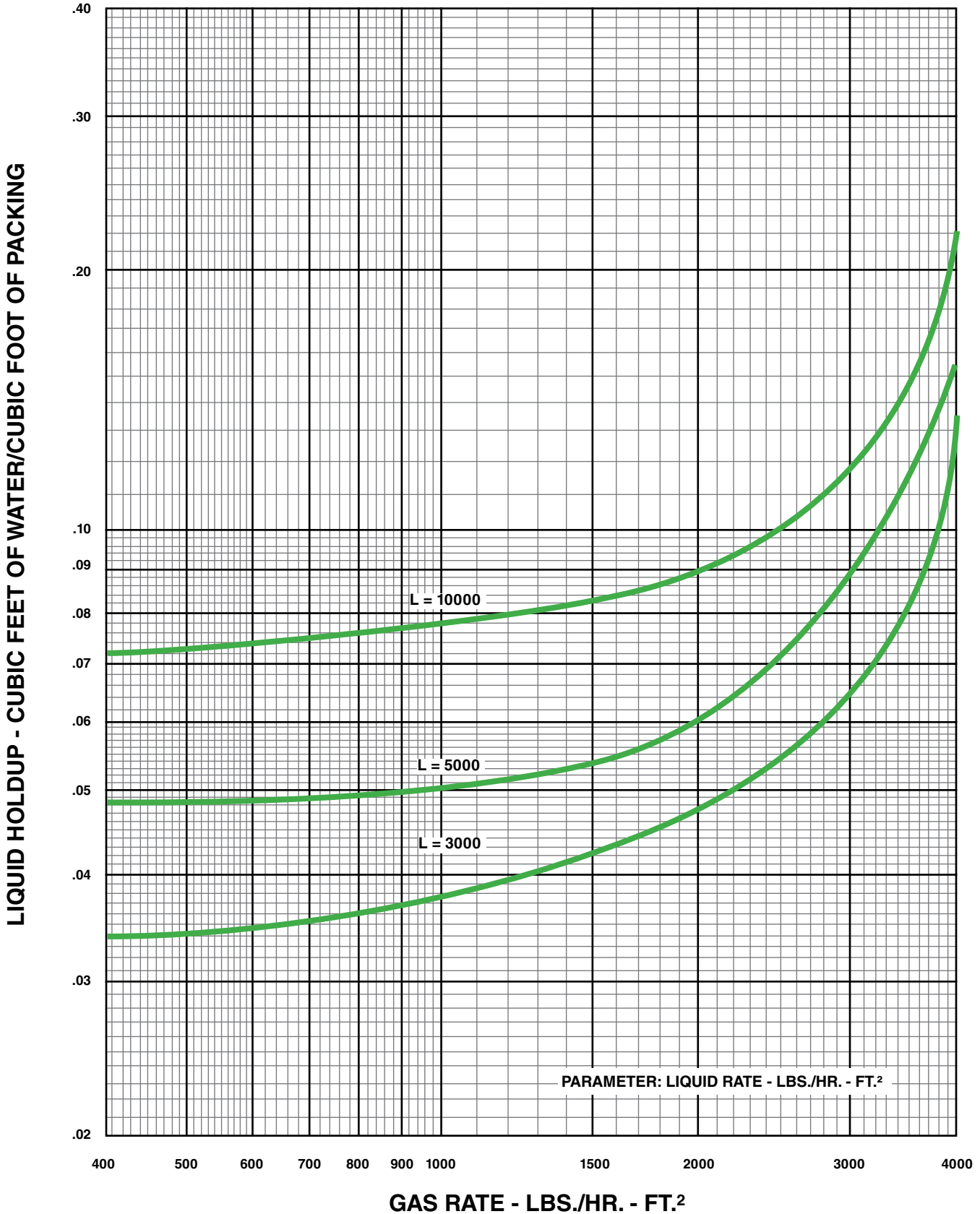
**HTU vs. GAS RATE**  
**#3 TYPE-R TELLERETTE® TOWER PACKING**  
**AMMONIA-AIR-WATER SYSTEM**  
**COUNTERCURRENT FLOW**



**PRESSURE DROP vs. GAS RATE**  
**#3 TYPE-K TELLERETTE® TOWER PACKING**  
**AIR-WATER SYSTEM**  
**COUNTERCURRENT FLOW**



**LIQUID HOLDUP vs. GAS RATE**  
**#3 TYPE-K TELLERETTE® TOWER PACKING**  
**AIR-WATER SYSTEM**  
**COUNTERCURRENT FLOW**



**HTU vs. GAS RATE**  
**#3 TYPE-K TELLERETTE® TOWER PACKING**  
**HCl-Air-H<sub>2</sub>O**

