
Generalized Pressure Drop Correlation	12-10.00
---	----------

No. 1

Pressure Drop vs. Gas Rate, #1 Tellerette® Tower Packing.....	12-10.10
Liquid Holdup vs. Gas Rate, #1 Tellerette® Tower Packing	12-10.20
HTU vs. Gas Rate Ammonia-Air-Water, #1 Tellerette® Tower Packing	12-10.30
Tellerette Performance, Particle Diameter vs. Collection Efficiency	12-10.70

No. 2 Type-R

Pressure Drop vs. Gas Rate, Air-Water System	12-10.11
Liquid Holdup vs. Gas Rate, Air-Water System	12-10.21
HTU vs. Gas Ammonia-Air-Water System.....	12-10.31
HTU vs. Gas Ammonia-Air-H ₂ SO ₄ System	12-10.40
HTU vs. Gas Rate, Gaseous HCl-Air-Water System.....	12-10.50
Kga vs. Liquid Rate, CO ₂ -Air Caustic System.....	12-10.60
Tellerette® Performance, Particle Diameter vs. Collection Efficiency	12-10.71
HTU vs. Gas Rate, #2 Type-R Tellerette vs. 2" Intalox Saddles, Ammonia-Air-Water System	12-10.82
Pressure Drop vs. Gas Rate, #2 Type-R Tellerette® vs. 2" Intalox Saddles, Air-Water System	12-10.83

No. 2 Type-K

Pressure Drop vs. Gas Rate, Air-Water System	12-10.13
Liquid Holdup vs. Gas Rate, Air-Water System	12-10.23
HTU vs. Gas Rate, Ammonia-Air-Water System	12-10.33
HTU vs. Gas Rate, H ₂ S-Air-Caustic/Hypo.....	12-10.51
HTU vs. Gas Rate, SO ₂ -Air-Caustic System	12-10.52
Pressure Drop vs. Gas Rate, #2 Type-K Tellerette® vs #2 Tri-Packs, Air-Water System	12-10.80
HTU vs. Gas Rate, #2 Type-K Tellerette® vs. #2 Tri-Packs vs. 2" Saddles, Ammonia-Air-Water System	12-10.81
HTU vs. Gas Rate, #2 Type-K Tellerette® vs. #2 Tri-Packs vs. 3.5" Lanpac. SO ₂ -Air-Caustic System	12-10.84
Stripping Data, Trichloroethylene-Air-Water	12-10.90
Stripping Data, Methylene Chloride-Air-Water	12-10.91
Stripping Data, Chloroform-Air-Water	12-10.92

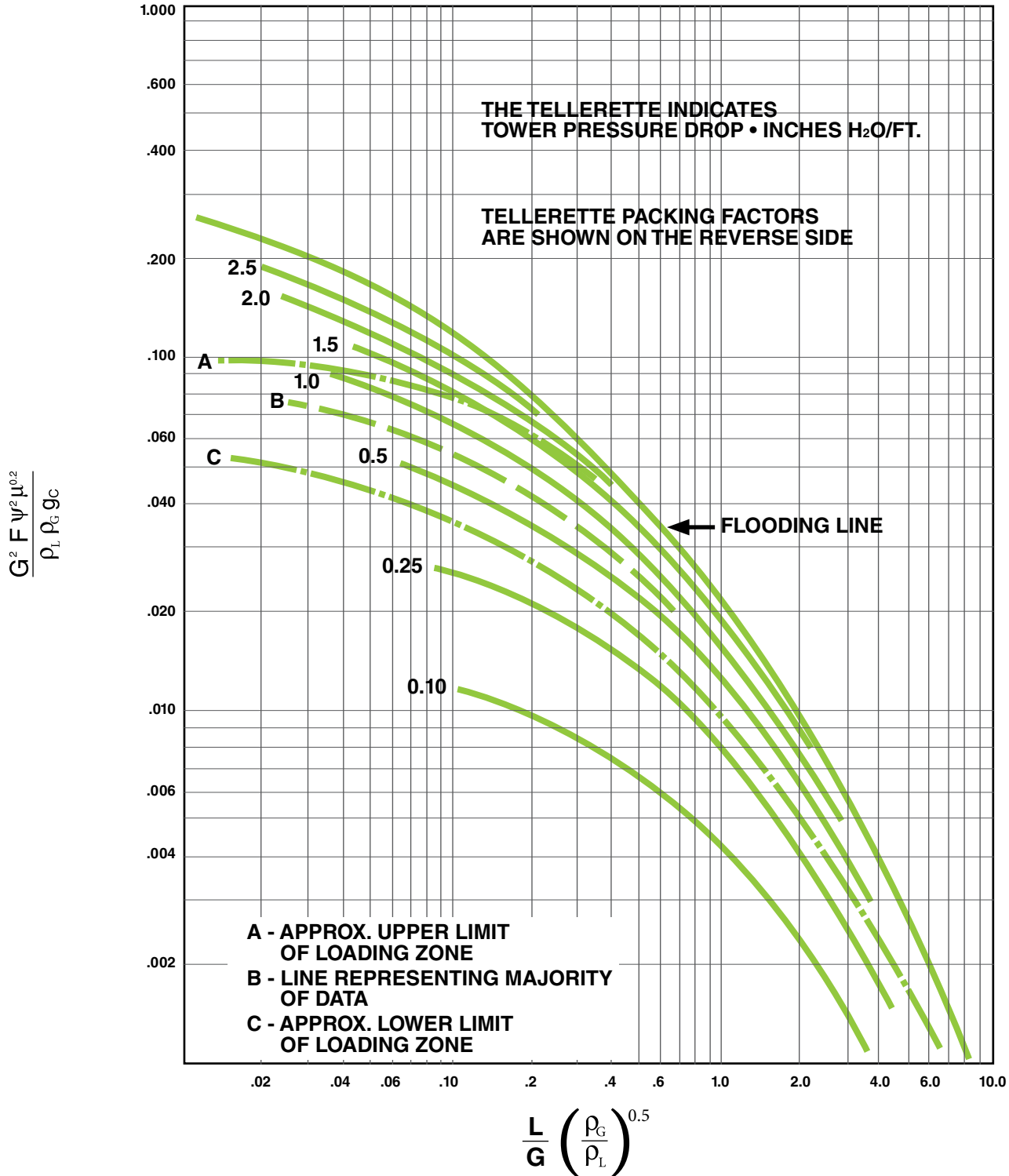
No. 3 Type-R

Pressure Drop vs. Gas Rate, Air-Water System	12-10.12
Liquid Holdup vs. Gas Rate, Air-Water System	12-10.22
HTU vs. Gas Rate, Ammonia-Air-Water System	12-10.32

No. 3 Type-K

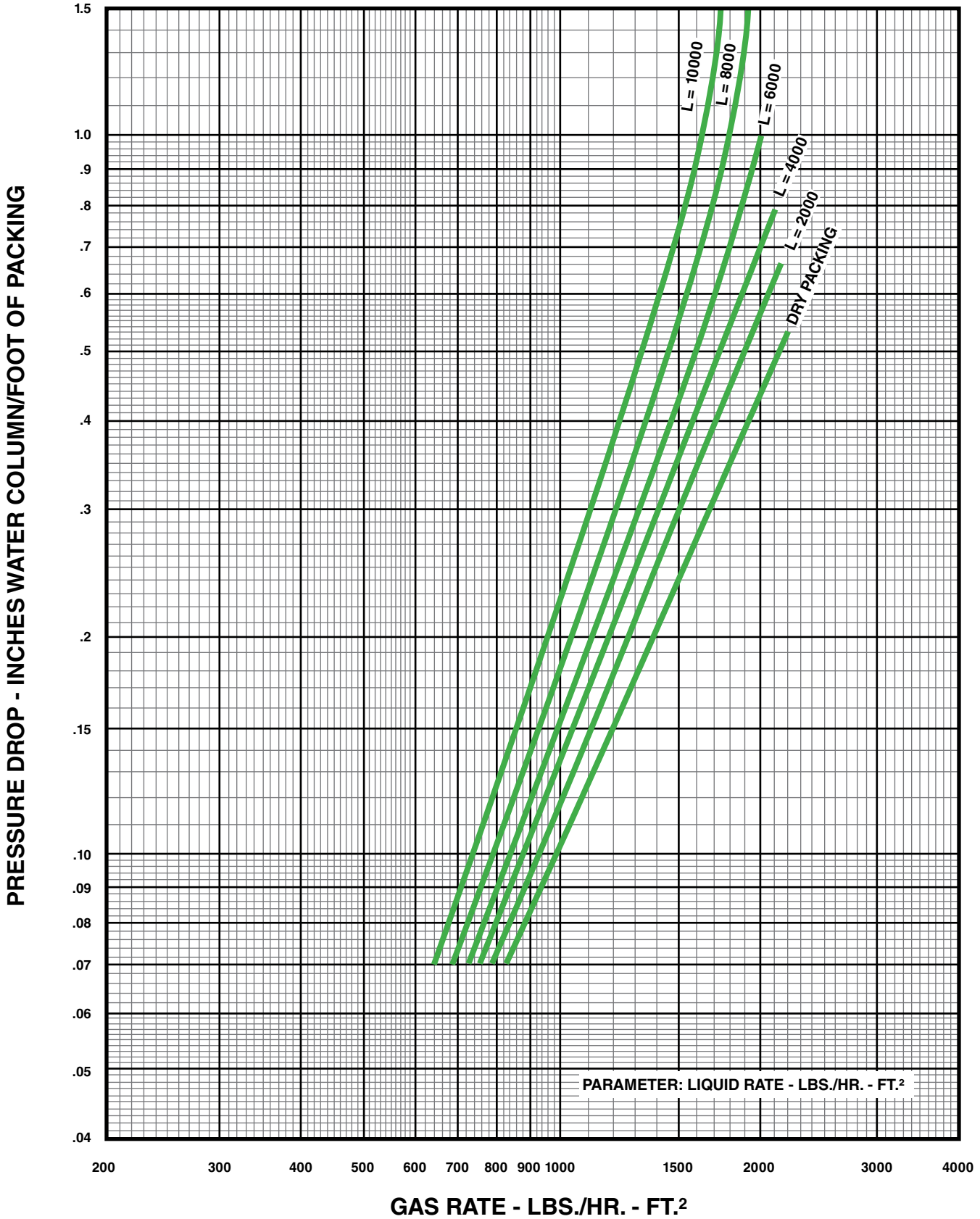
Pressure Drop vs. Gas Rate, Air-Water System	12-10.14
Liquid Holdup vs. Gas Rate, Air-Water System	12-10.24
HTU vs. Gas Rate, HCl-Air-Caustic System	12-10.54

GENERALIZED PRESSURE DROP CORRELATION

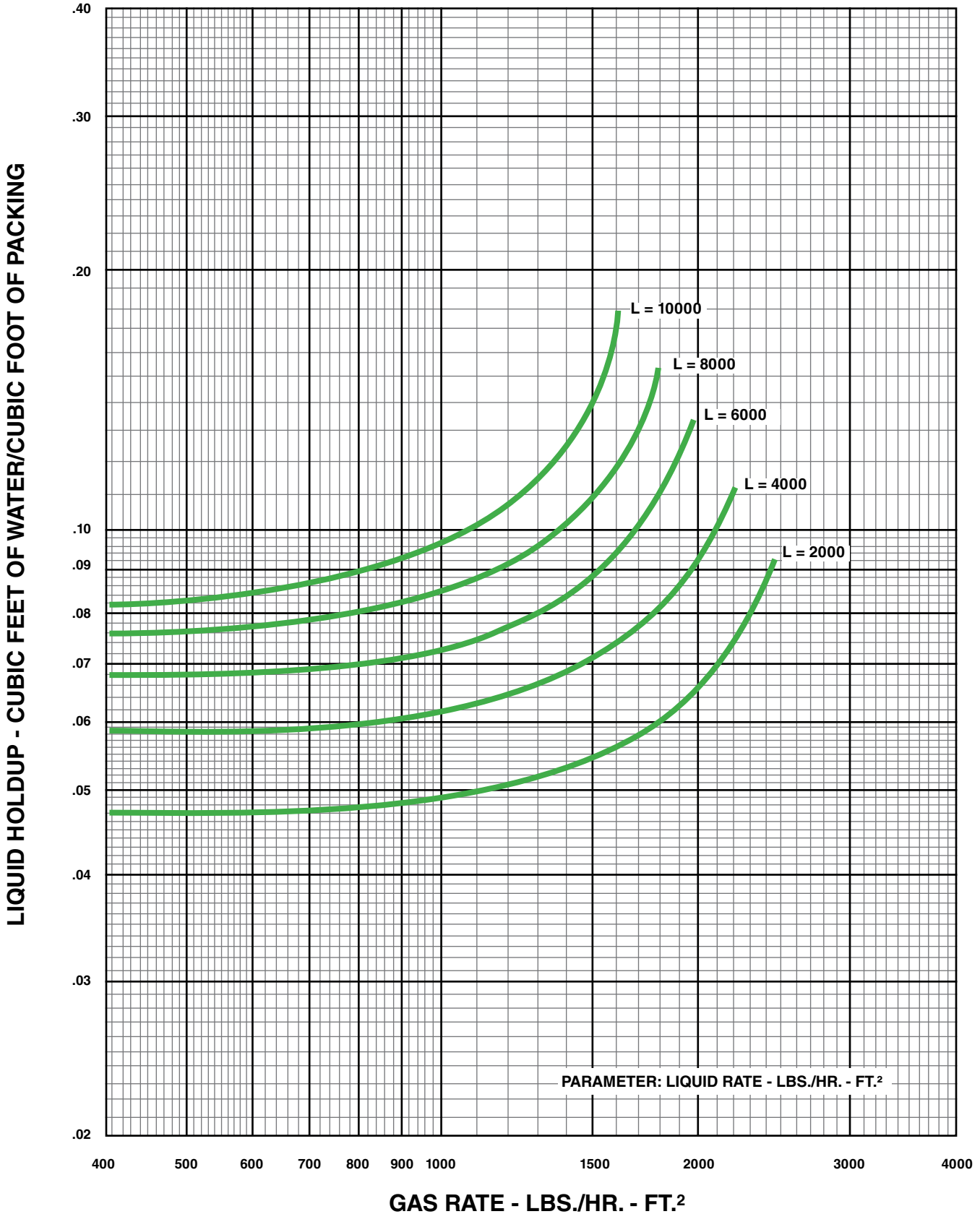


- L = liquid mass velocity, lb./(hr) (sq. ft.)
- G = gas mass velocity, lb./(hr) (sq. ft.)
- ρ_L = liquid density, lb./cu. ft.
- ρ_G = gas density, lb./cu. ft.
- g_C = gravitational conversion factor, 4.17 x 10⁸ (lb. mass) (ft.)/(lb. force) (hr.²)
- μ = viscosity of liquid, centipoise
- Ψ = ratio density of water to density of new liquid (dimensionless)
- F = packing factor

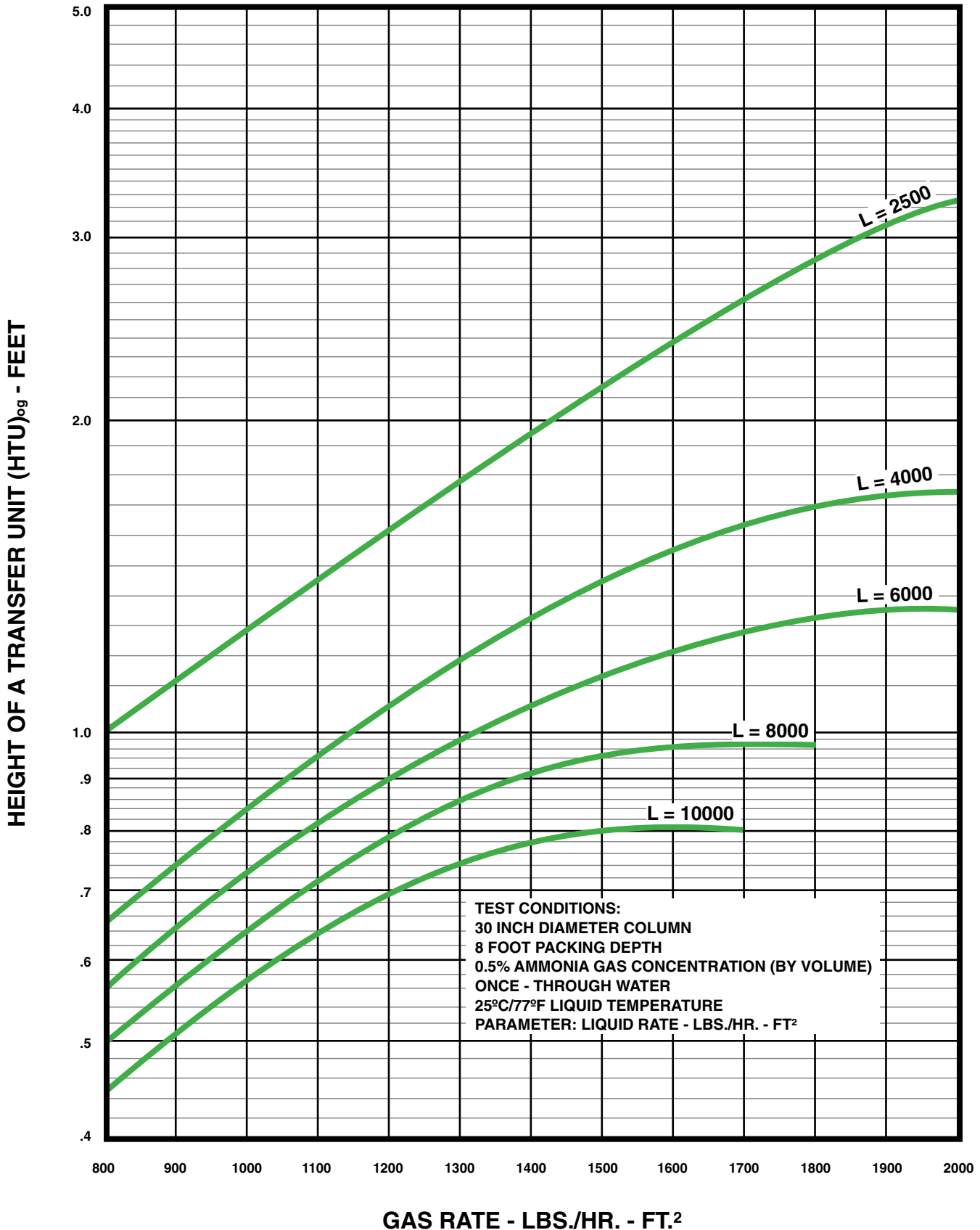
PRESSURE DROP vs. GAS RATE
#1 TELLERETTE® TOWER PACKING
AIR-WATER SYSTEM
COUNTERCURRENT FLOW



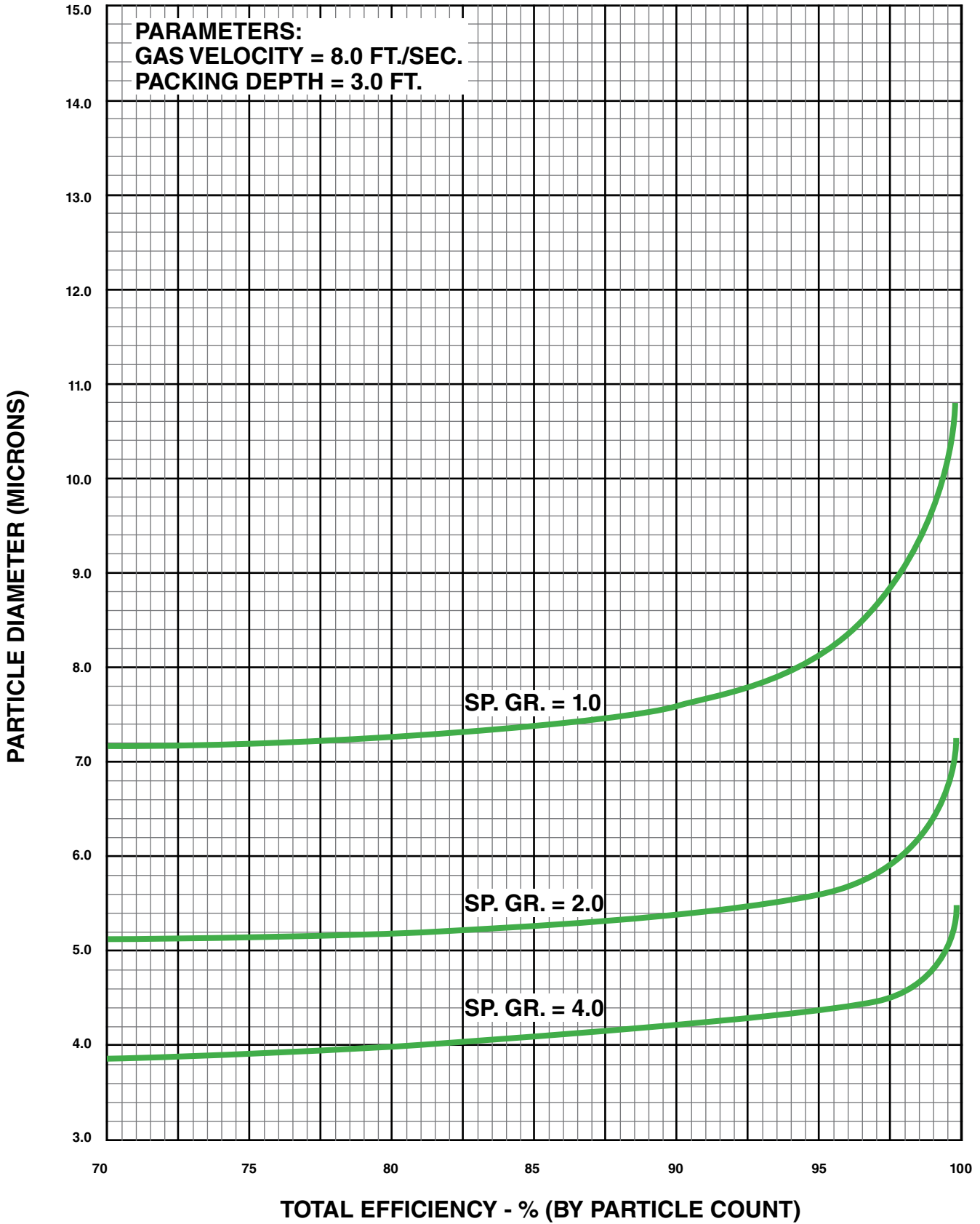
LIQUID HOLDUP vs. GAS RATE
#1 TELLERETTE® TOWER PACKING
AIR-WATER SYSTEM
COUNTERCURRENT FLOW



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

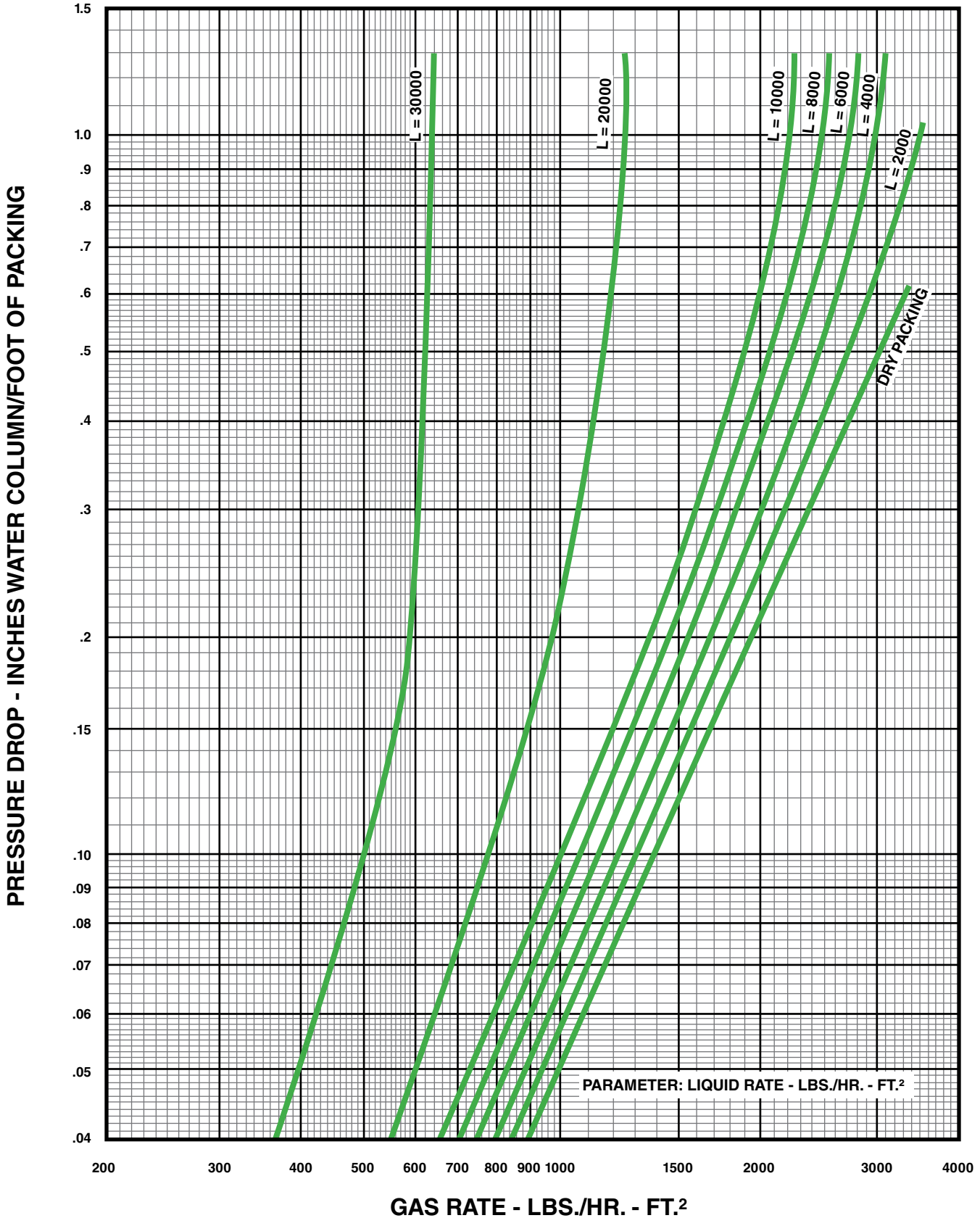


**TELLERETTE® PERFORMANCE
PARTICLE DIAMETER VS. COLLECTION EFFICIENCY
#1 TELLERETTE®**

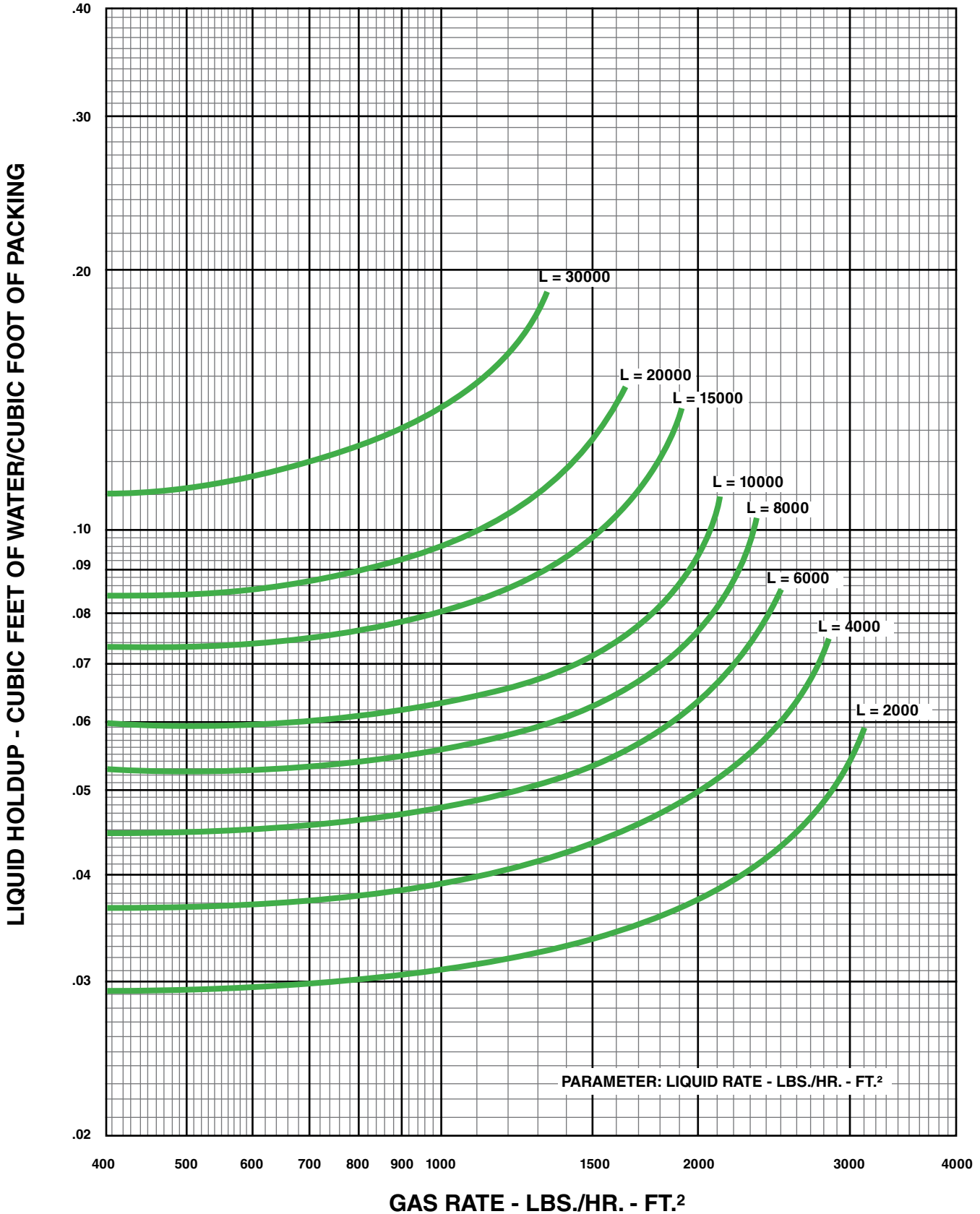


12-10.70

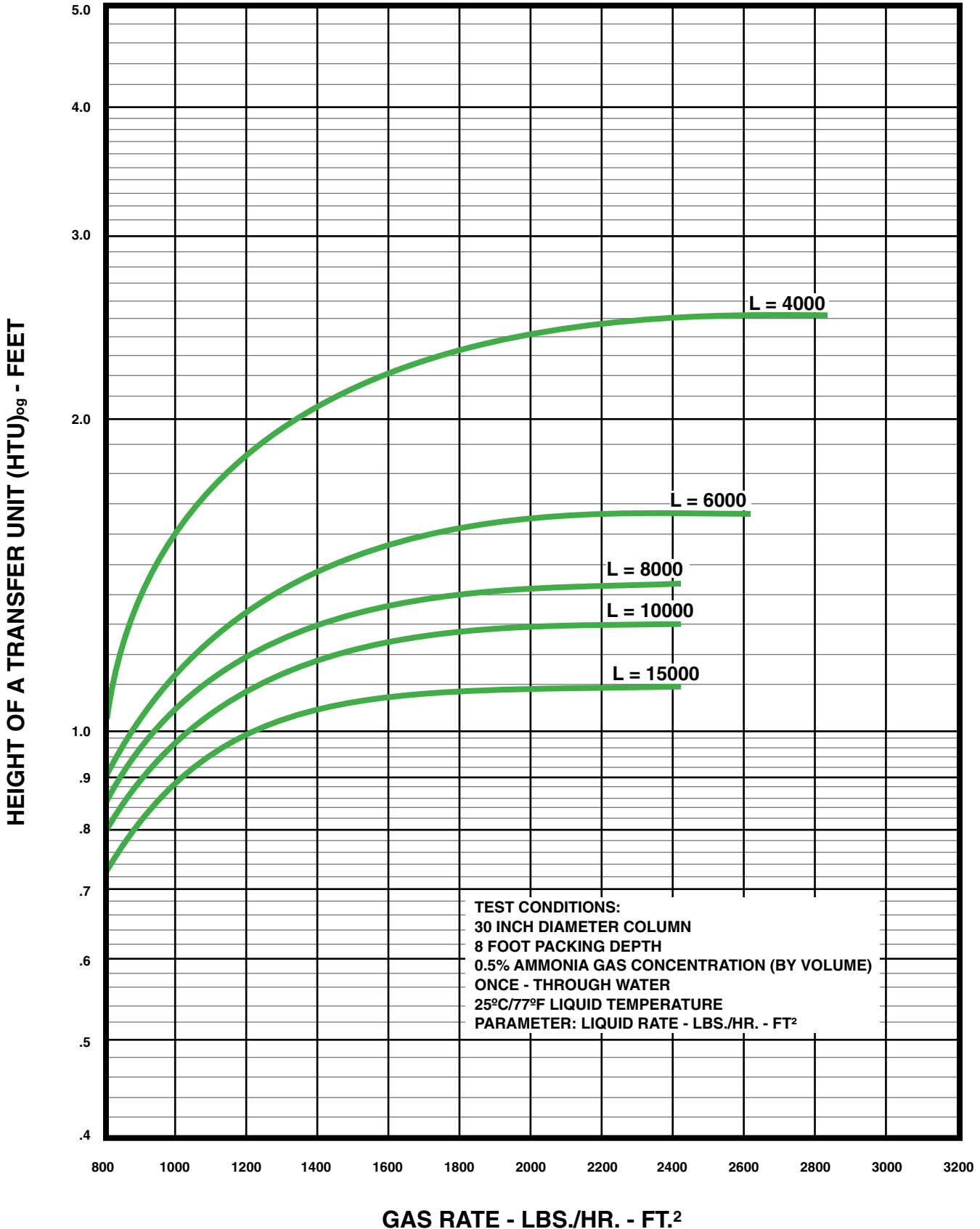
PRESSURE DROP vs. GAS RATE
#2 TYPE-R TELLERETTE® TOWER PACKING
AIR-WATER SYSTEM
COUNTERCURRENT FLOW



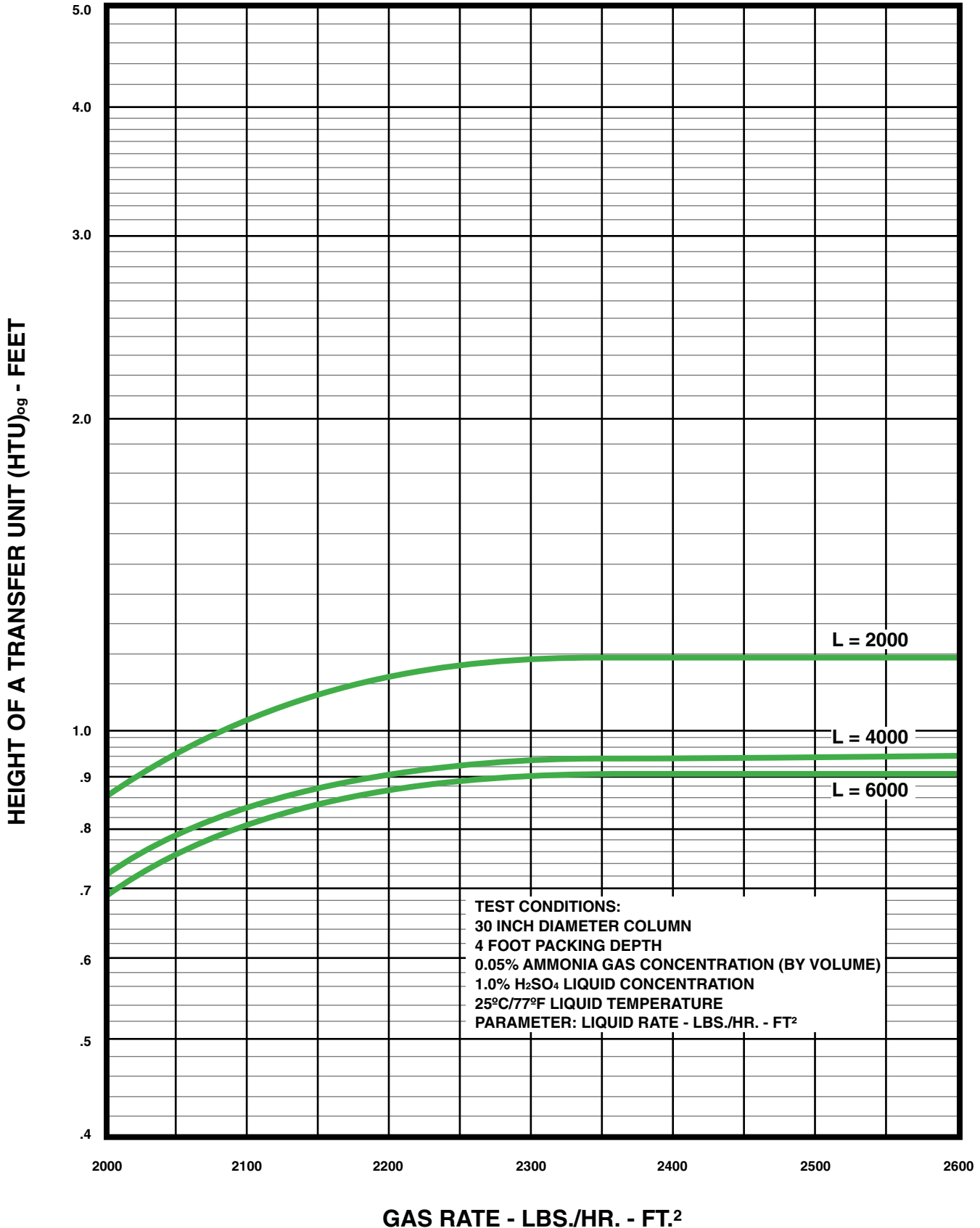
LIQUID HOLDUP vs. GAS RATE
#2 TYPE-R TELLERETTE® TOWER PACKING
AIR-WATER SYSTEM
COUNTERCURRENT FLOW



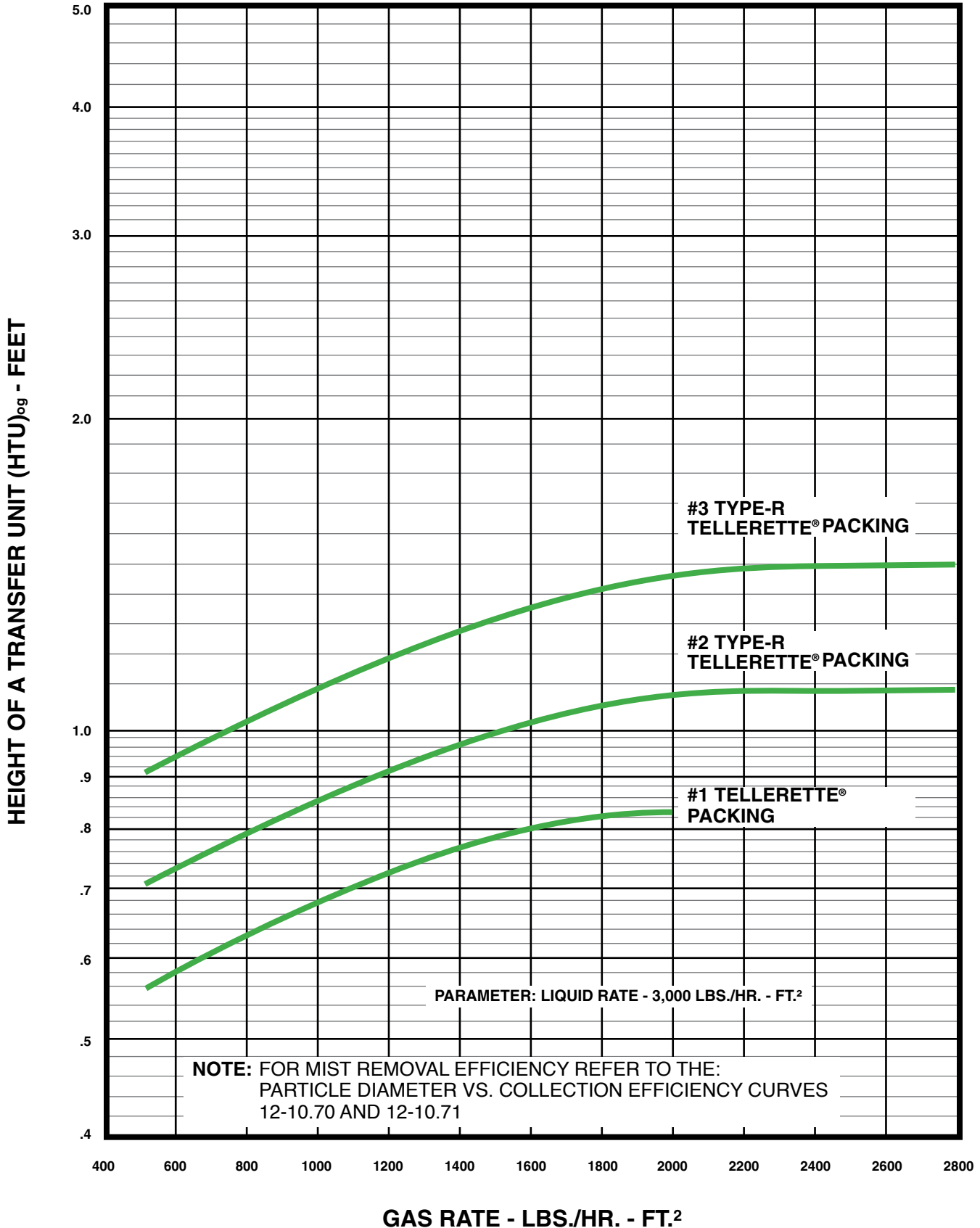
**HTU vs. GAS RATE
#2 TYPE-R TELLERETTE® TOWER PACKING
AMMONIA-AIR-WATER SYSTEM
COUNTERCURRENT FLOW**



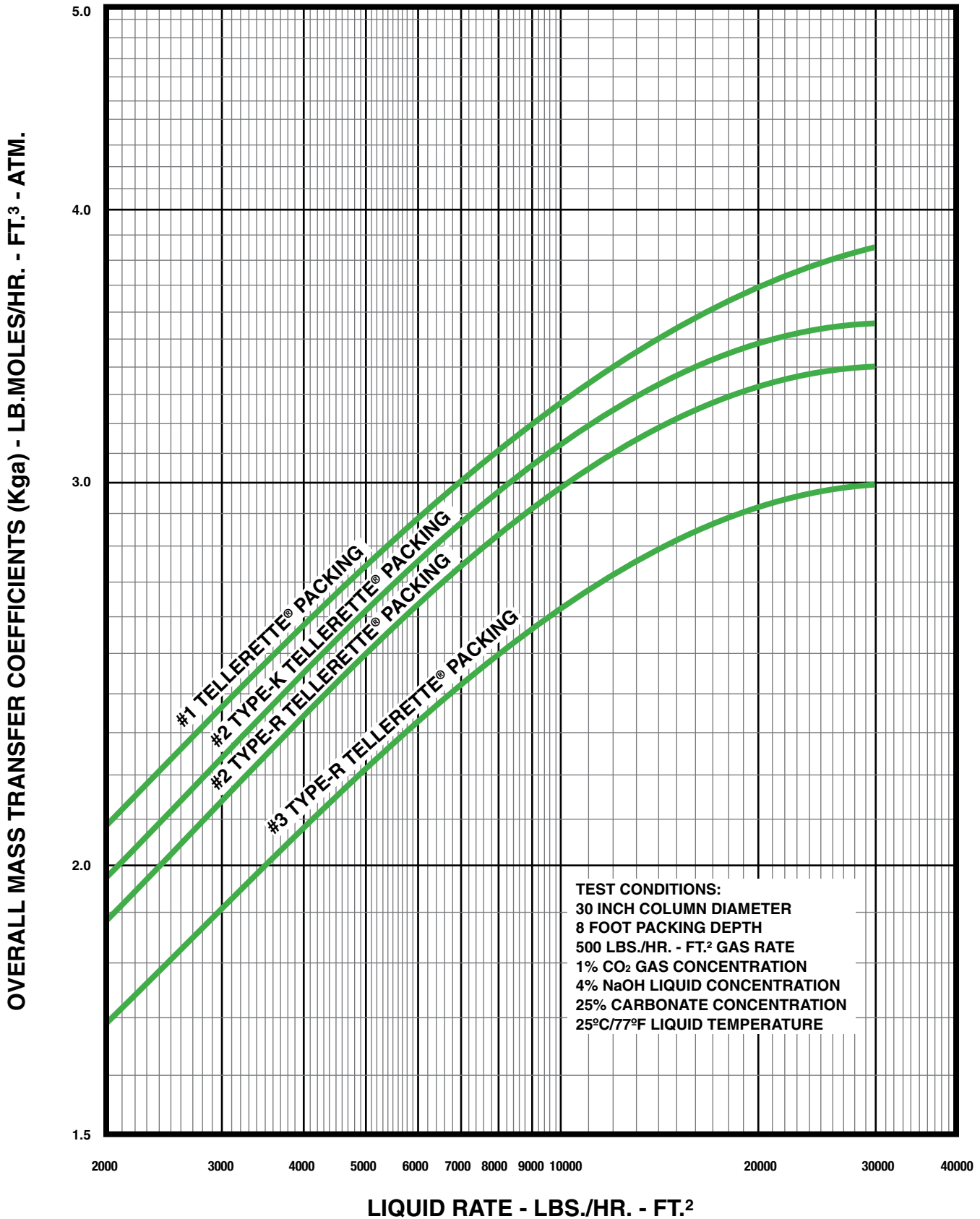
HTU vs. GAS RATE
#2 TYPE-R TELLERETTE® PACKING
AMMONIA-AIR-SULFURIC ACID SYSTEM
COUNTERCURRENT FLOW



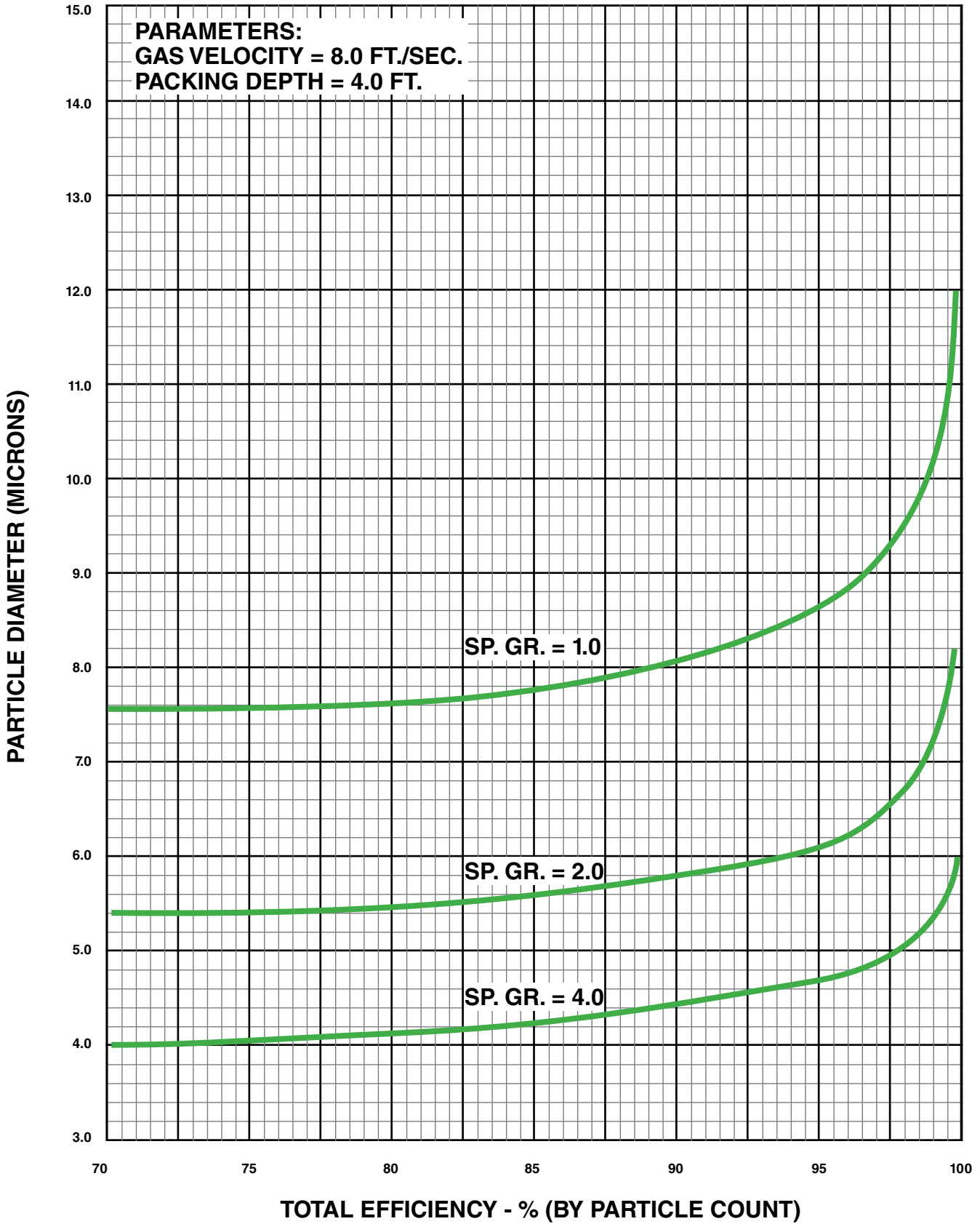
**HTU vs. GAS RATE
 TELLERETTE® TOWER PACKING
 GASEOUS HYDROCHLORIC ACID-AIR-WATER SYSTEM
 COUNTERCURRENT FLOW**



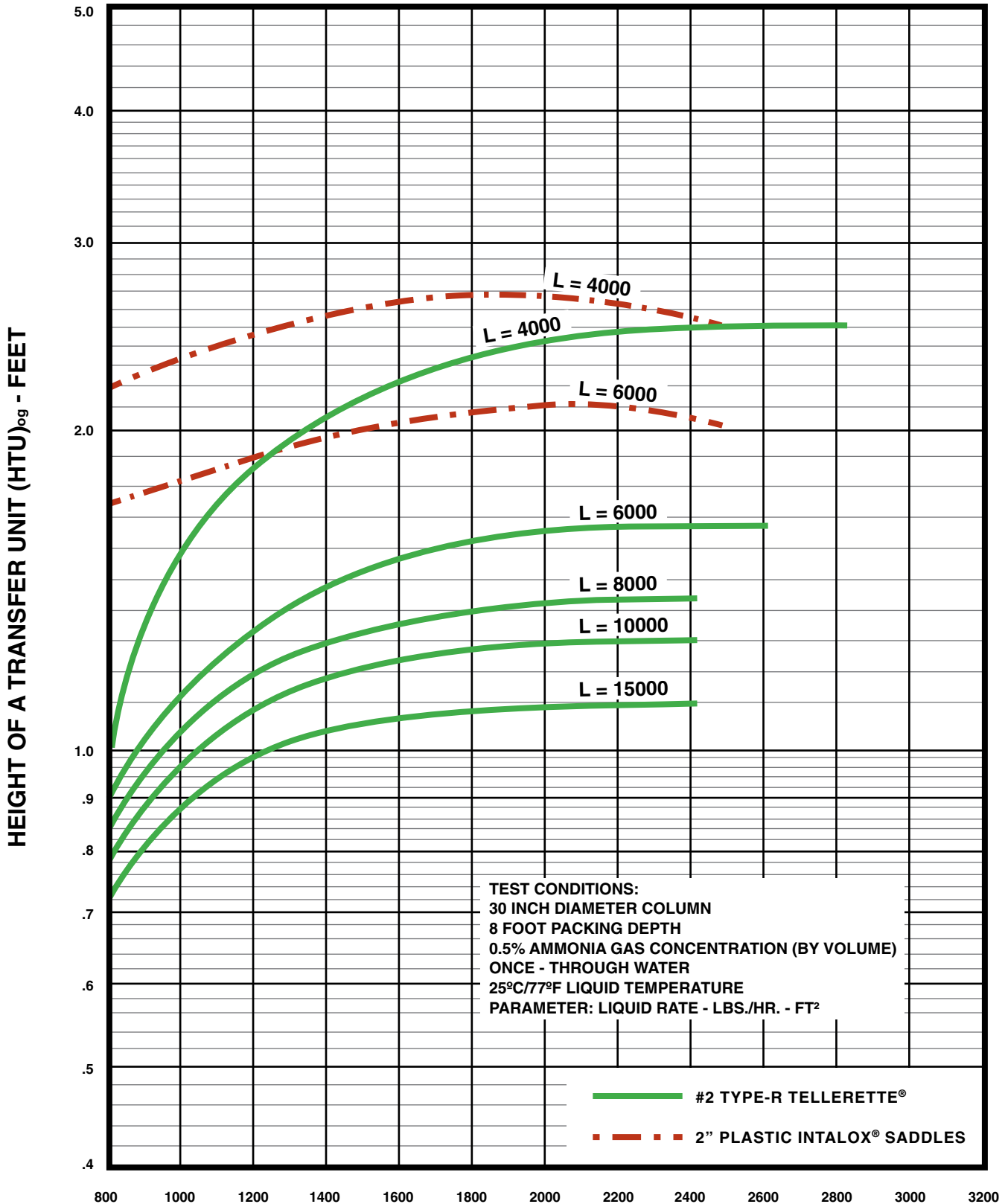
Kga vs. LIQUID RATE
TELLERETTE® TOWER PACKING
CARBON DIOXIDE-AIR-CAUSTIC SYSTEM
COUNTERCURRENT FLOW



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

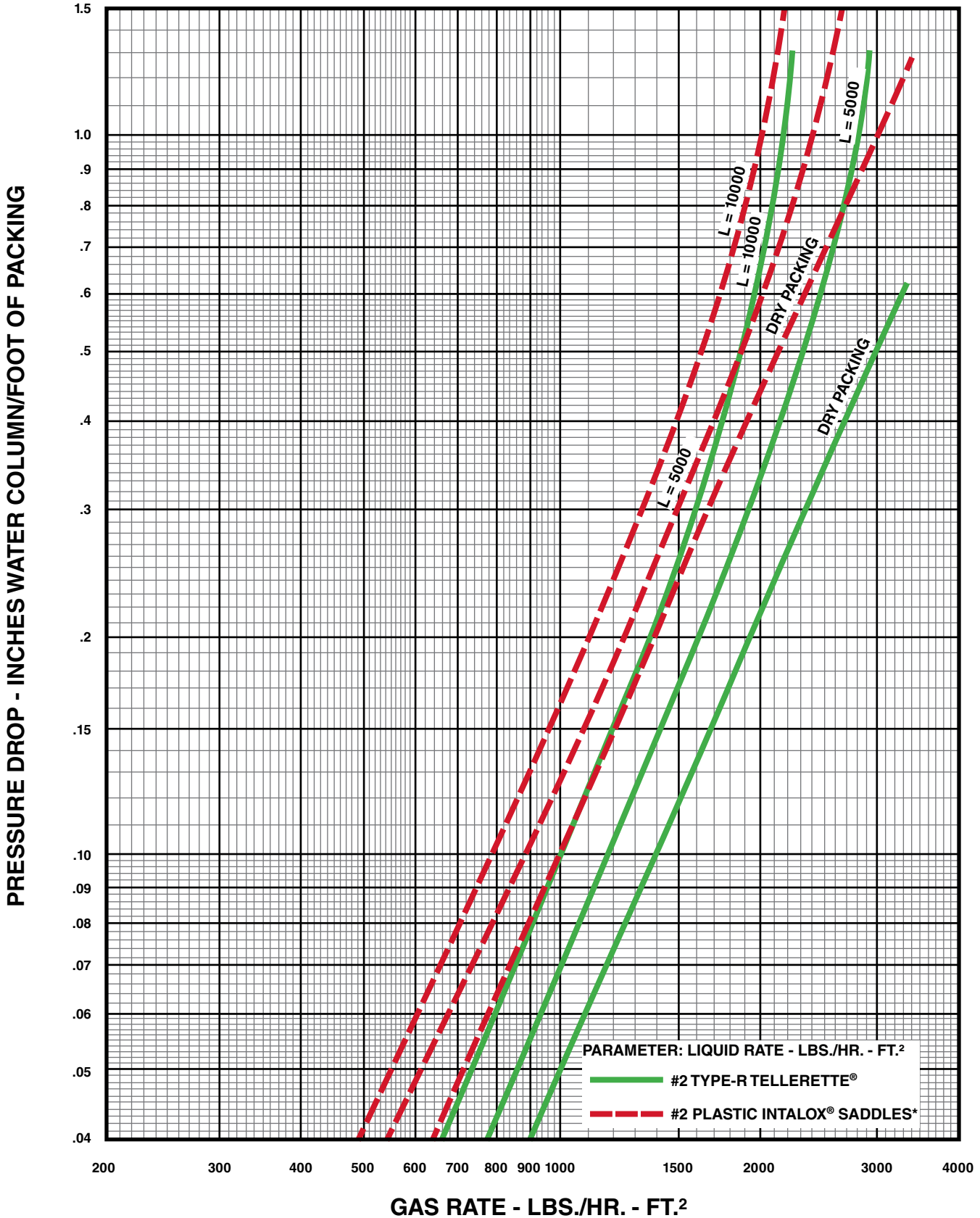


**HTU vs. GAS RATE
 #2 TYPE-R TELLERETTE® vs.
 2" INTALOX® SADDLE PACKING*
 AMMONIA-AIR-WATER SYSTEM
 COUNTERCURRENT FLOW**



* REGISTERED TRADEMARK OF KOCH-GLITSCH. **GAS RATE - LBS./HR. - FT.²**

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



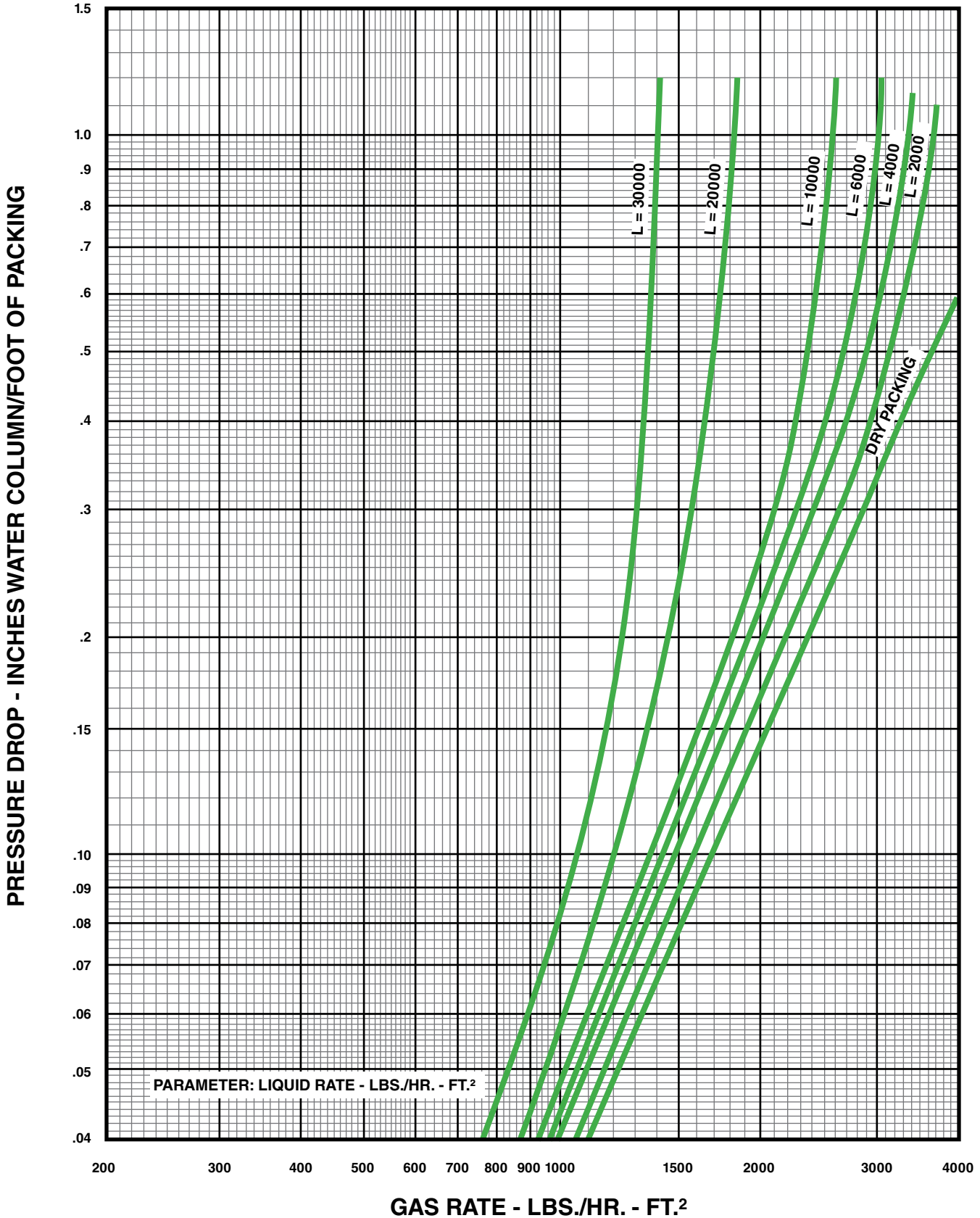
*REGISTERED TRADEMARK OF KOCH - GLITSCH

12-10.83

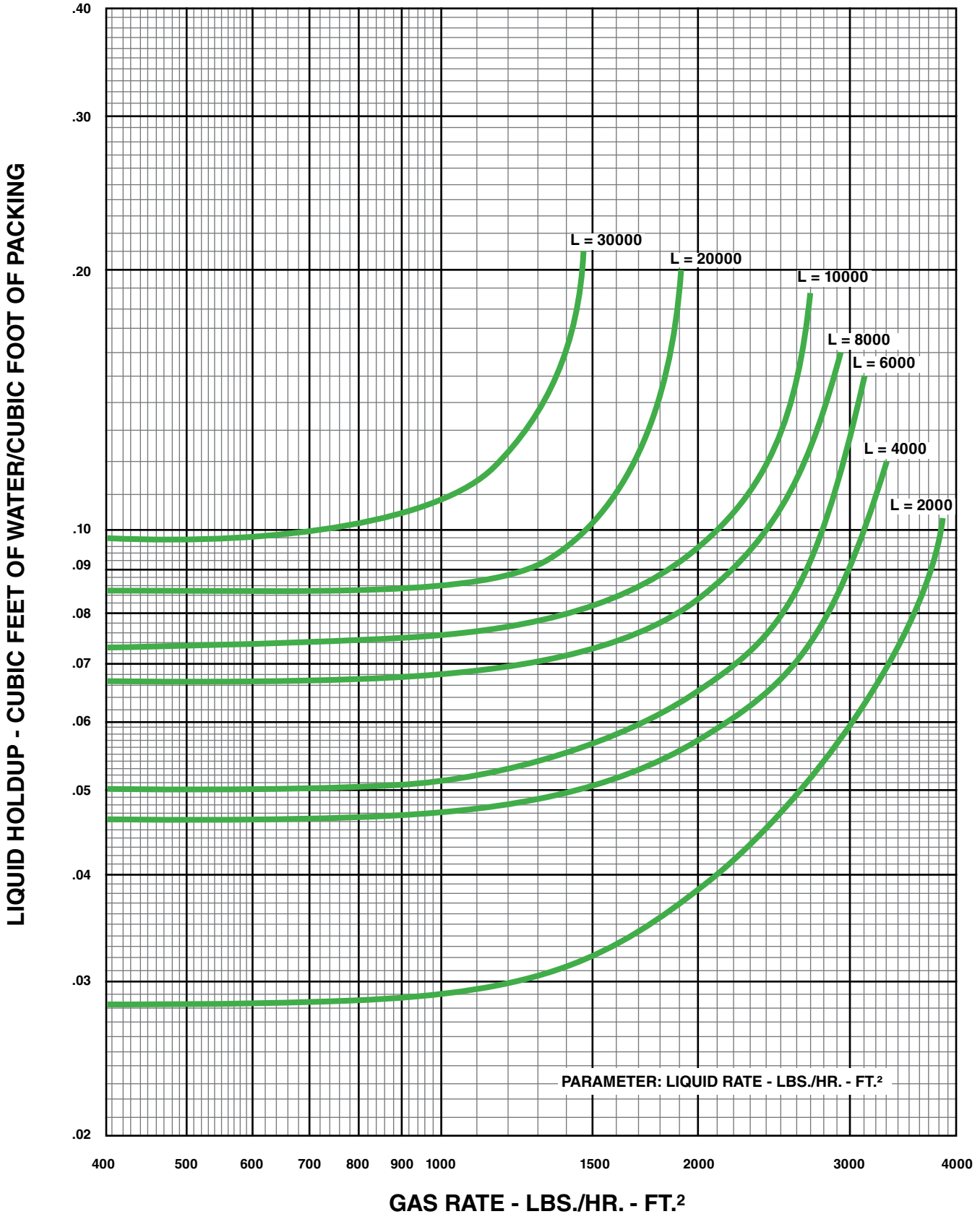
sales@verantis.com • www.verantis.com

BACK TO INDEX

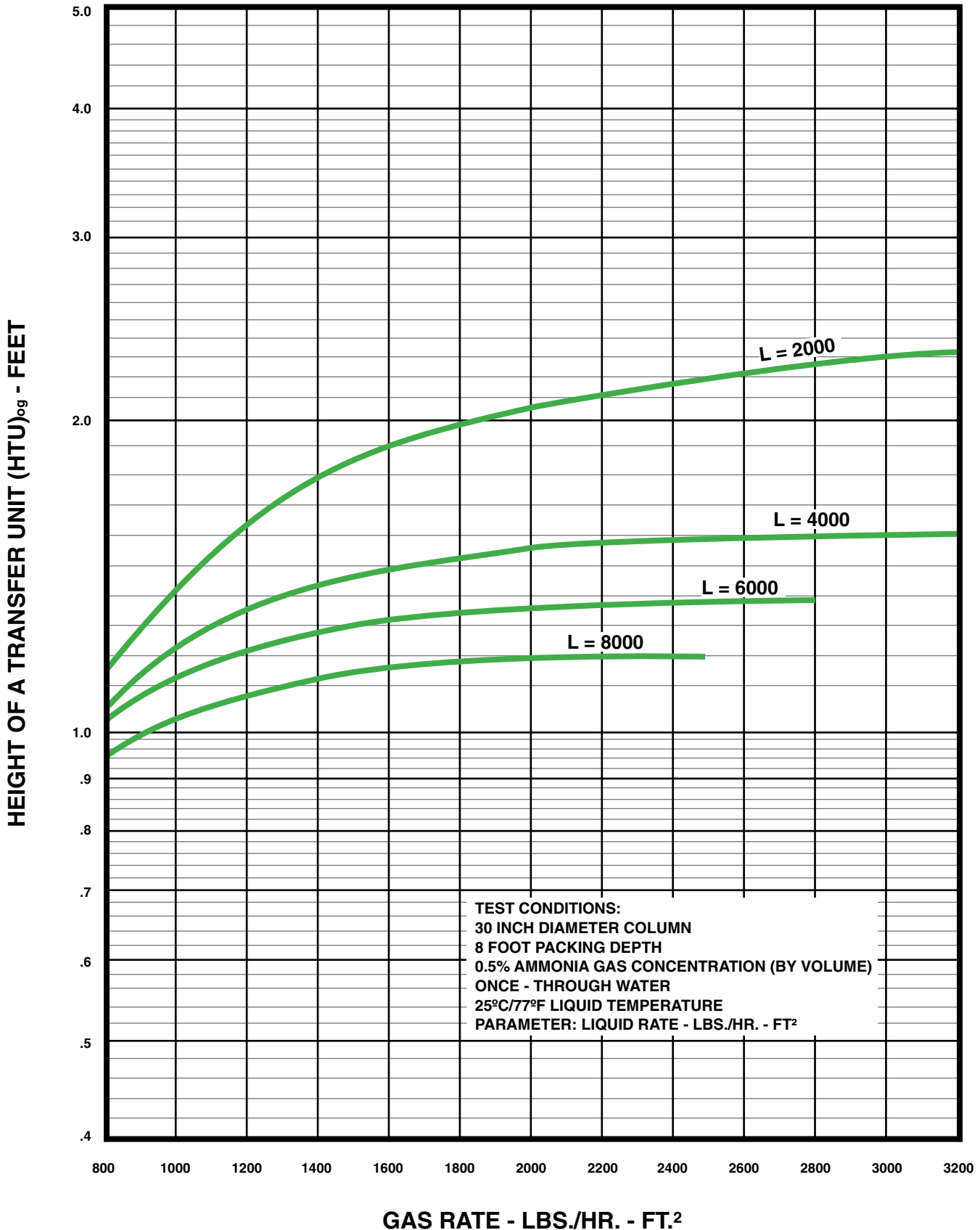
PRESSURE DROP vs. GAS RATE
#2 TYPE-K TELLERETTE® TOWER PACKING
AIR-WATER SYSTEM
COUNTERCURRENT FLOW



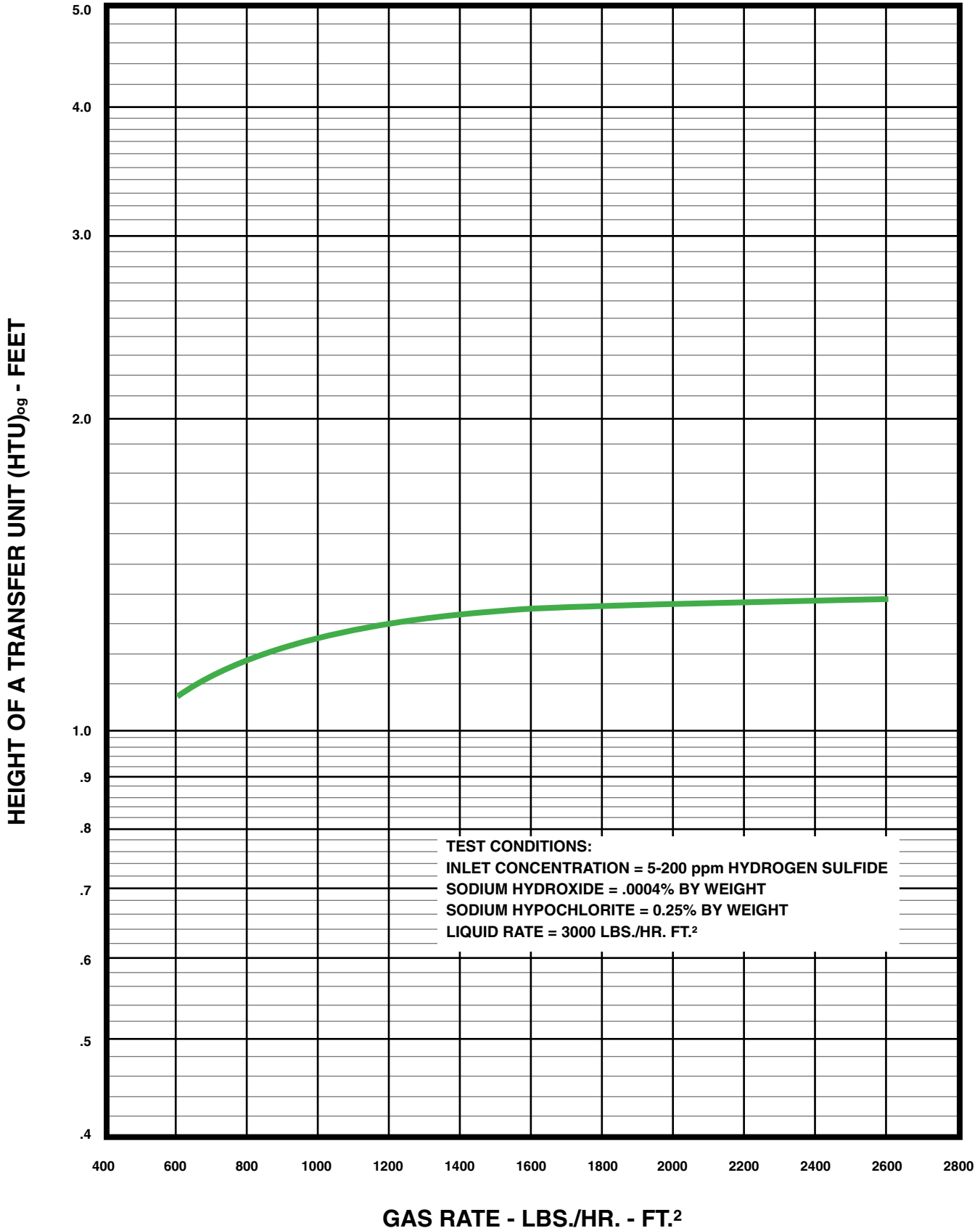
LIQUID HOLDUP vs. GAS RATE
#2 TYPE-K TELLERETTE® TOWER PACKING
AIR-WATER SYSTEM
COUNTERCURRENT FLOW



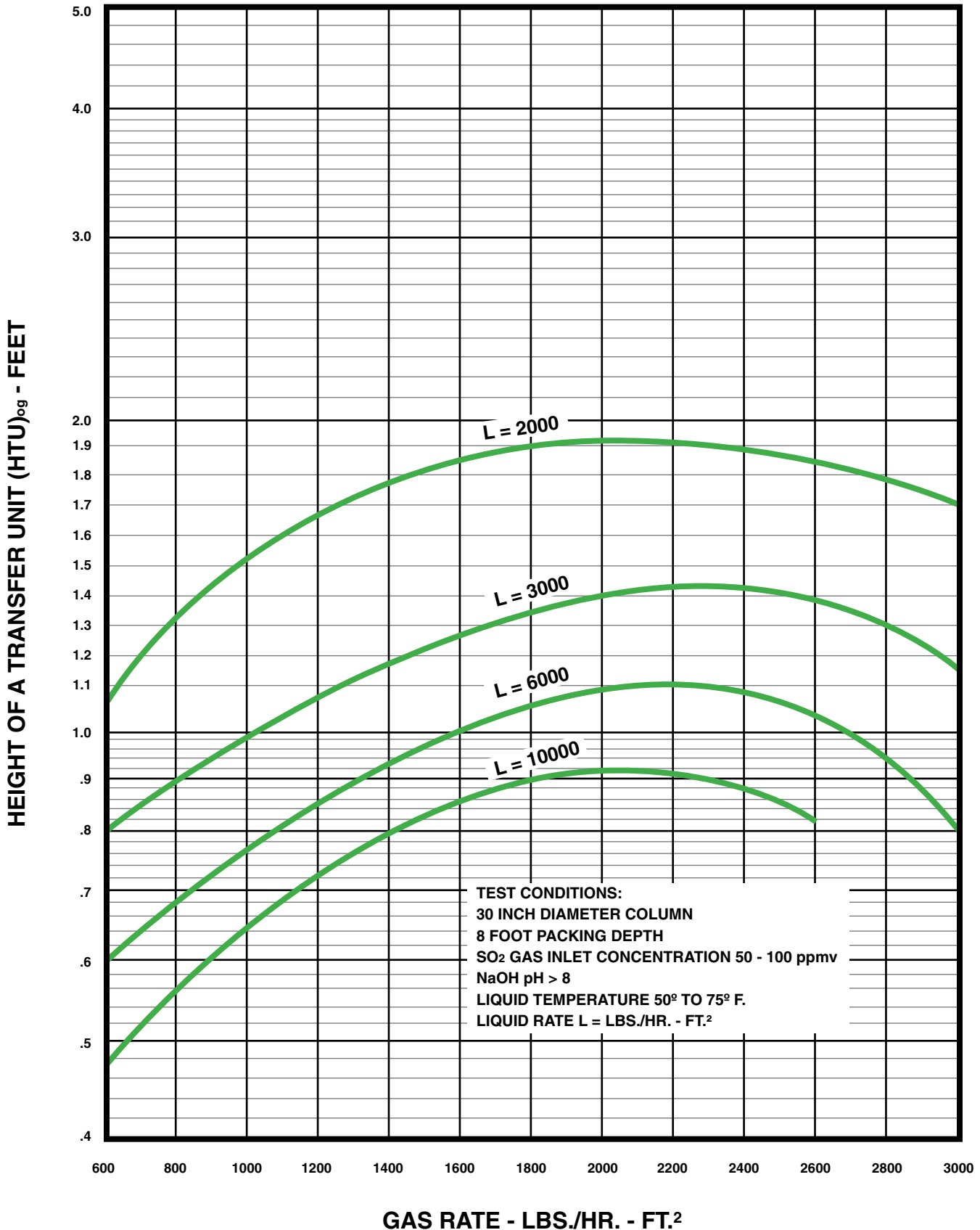
HTU vs. GAS RATE
#2 TYPE-K TELLERETTE® TOWER PACKING
AMMONIA-AIR-WATER SYSTEM
COUNTERCURRENT FLOW



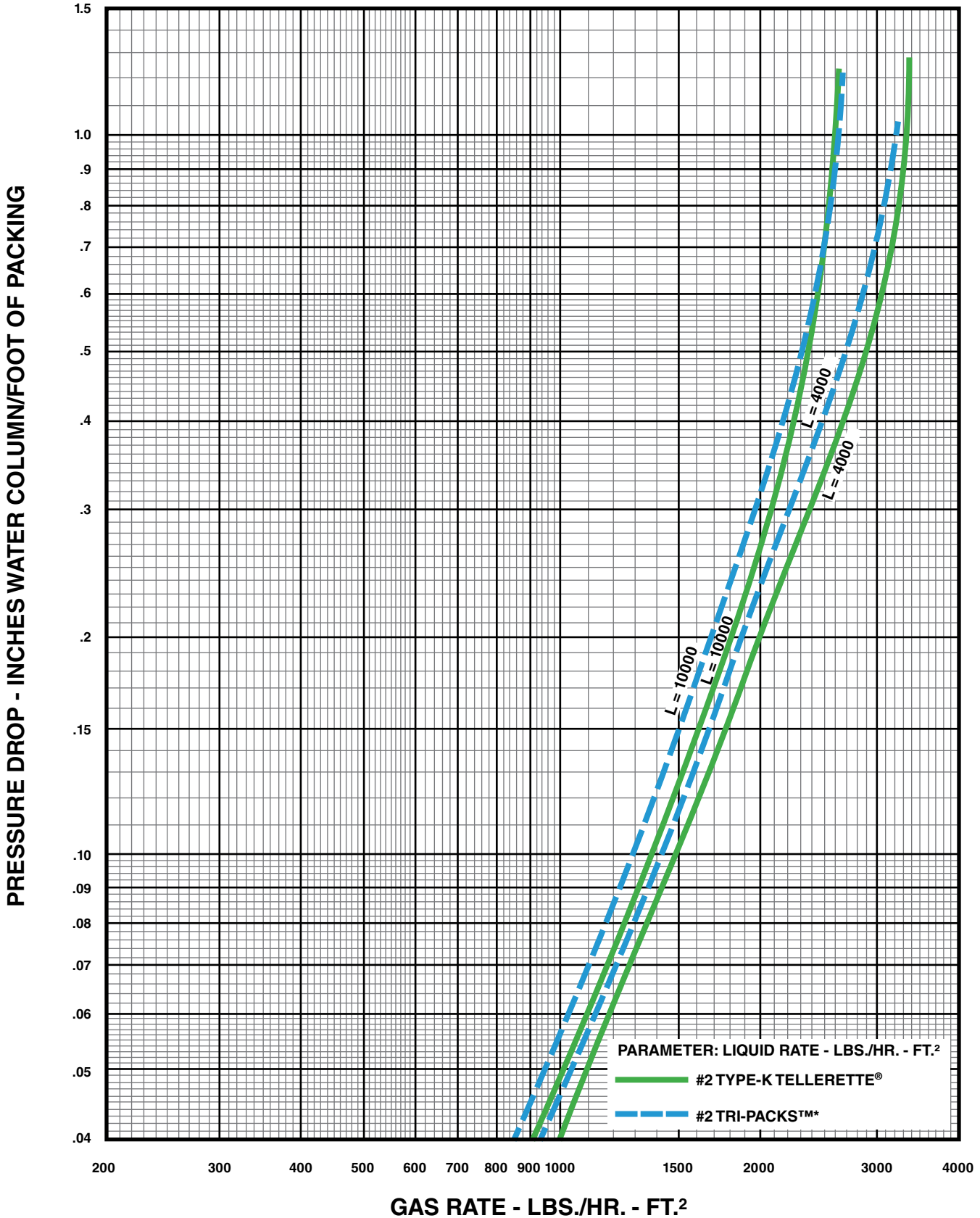
HTU vs. GAS RATE
#2 TYPE-K TELLERETTE® TOWER PACKING
HYDROGEN SULFIDE-AIR-CAUSTIC/HYPO
COUNTERCURRENT FLOW



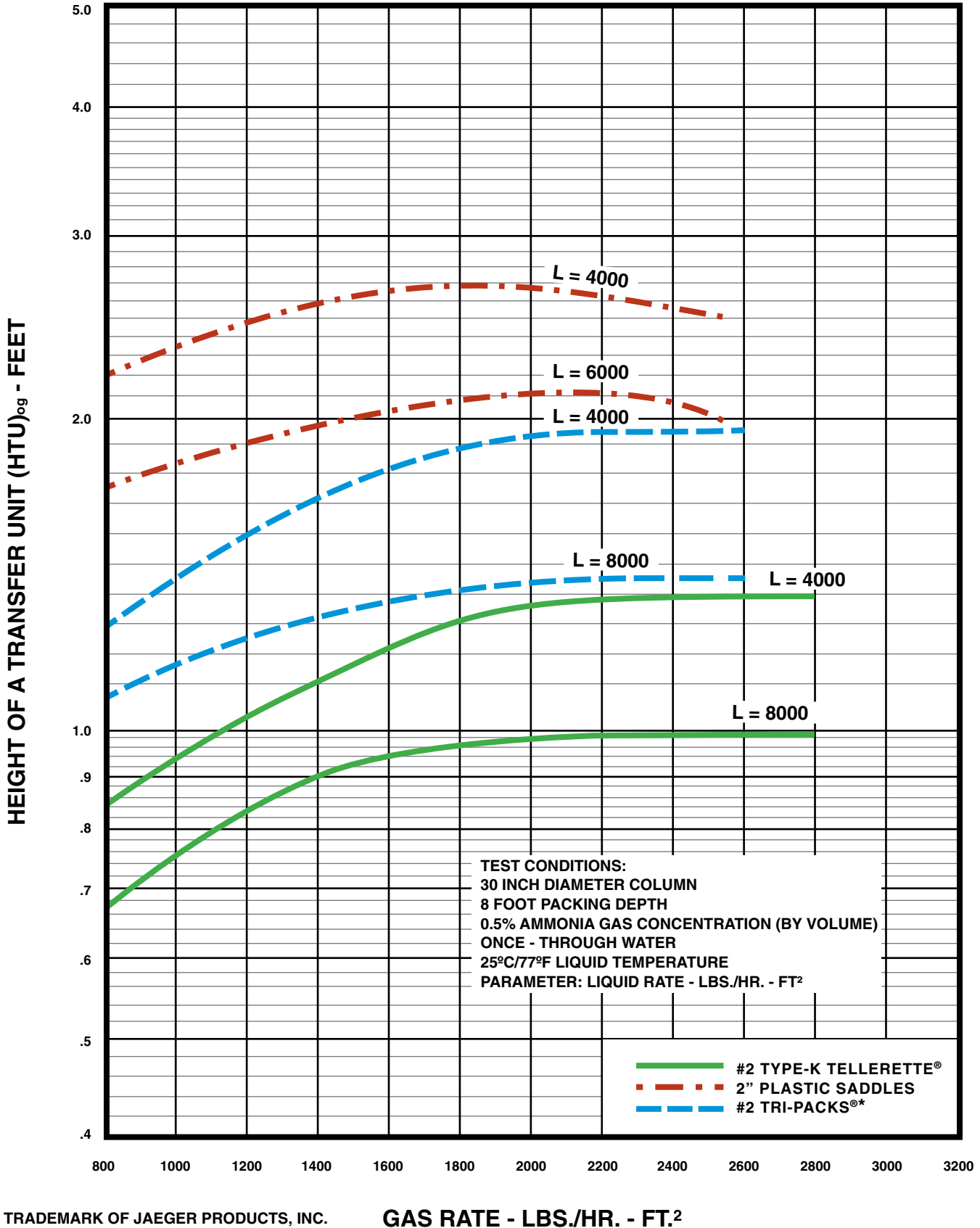
HTU vs. GAS RATE
#2 TYPE-K TELLERETTE® PACKING
SULFUR DIOXIDE-AIR-CAUSTIC
COUNTERCURRENT FLOW



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



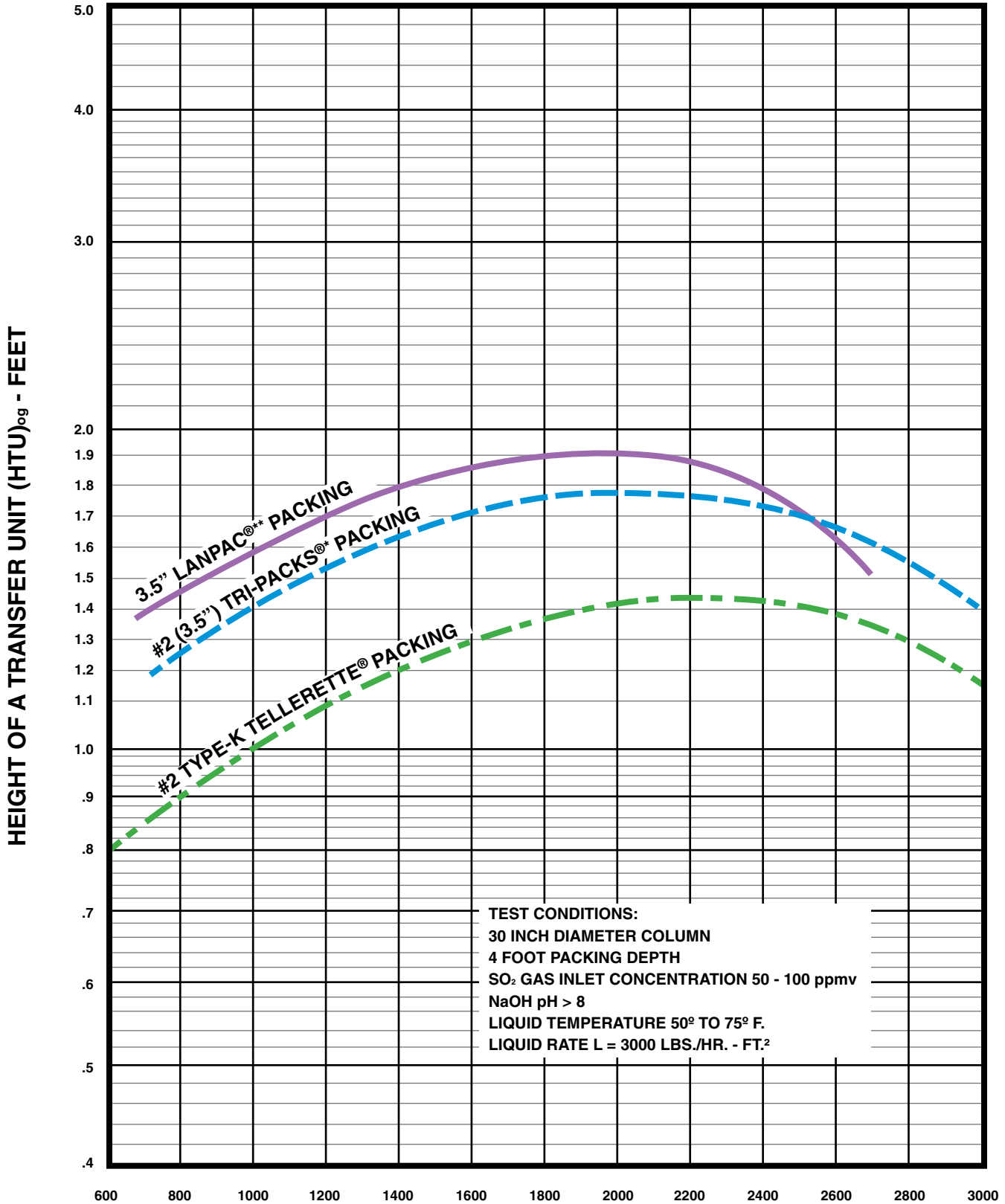
**HTU vs. GAS RATE
 #2 TYPE-K TELLERETTE® vs.
 #2 TRI-PACKS® vs.
 2" SADDLE PACKING
 AMMONIA-AIR-WATER SYSTEM
 COUNTERCURRENT FLOW**



* TRADEMARK OF JAEGER PRODUCTS, INC.

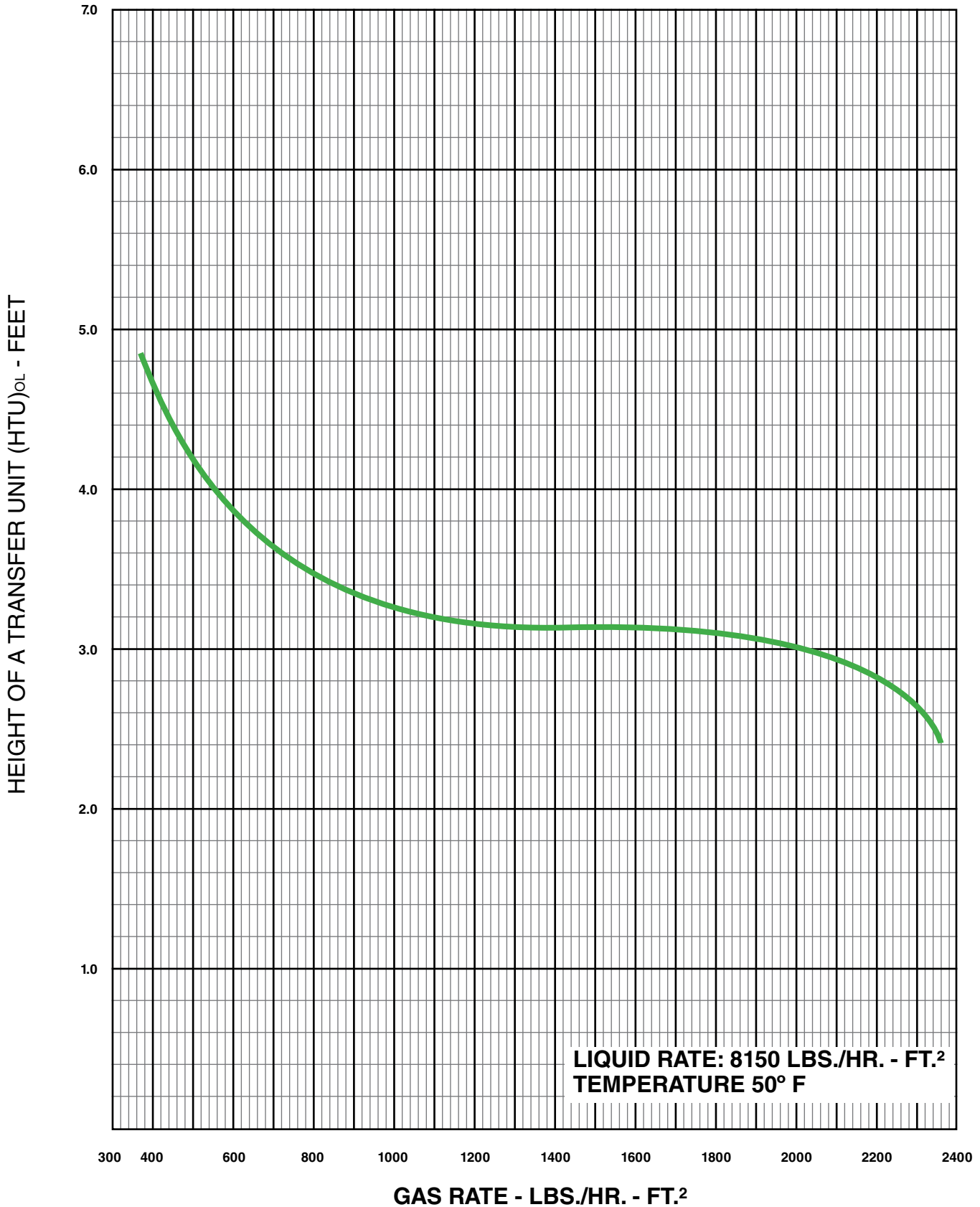
GAS RATE - LBS./HR. - FT.²

**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**

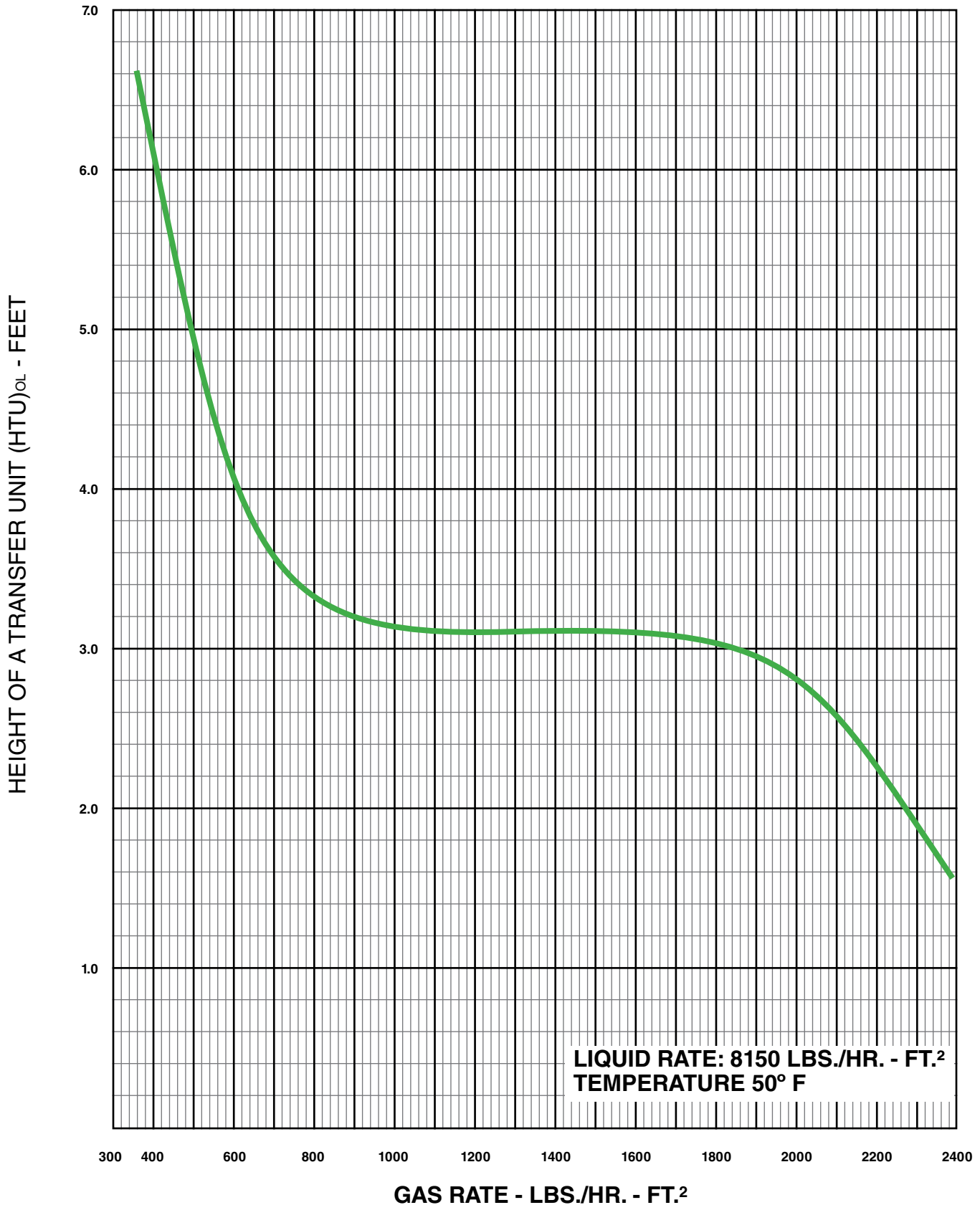


* TRADEMARK OF JAEGER PRODUCTS INC.
 ** TRADEMARK OF LANTEC PRODUCTS INC.

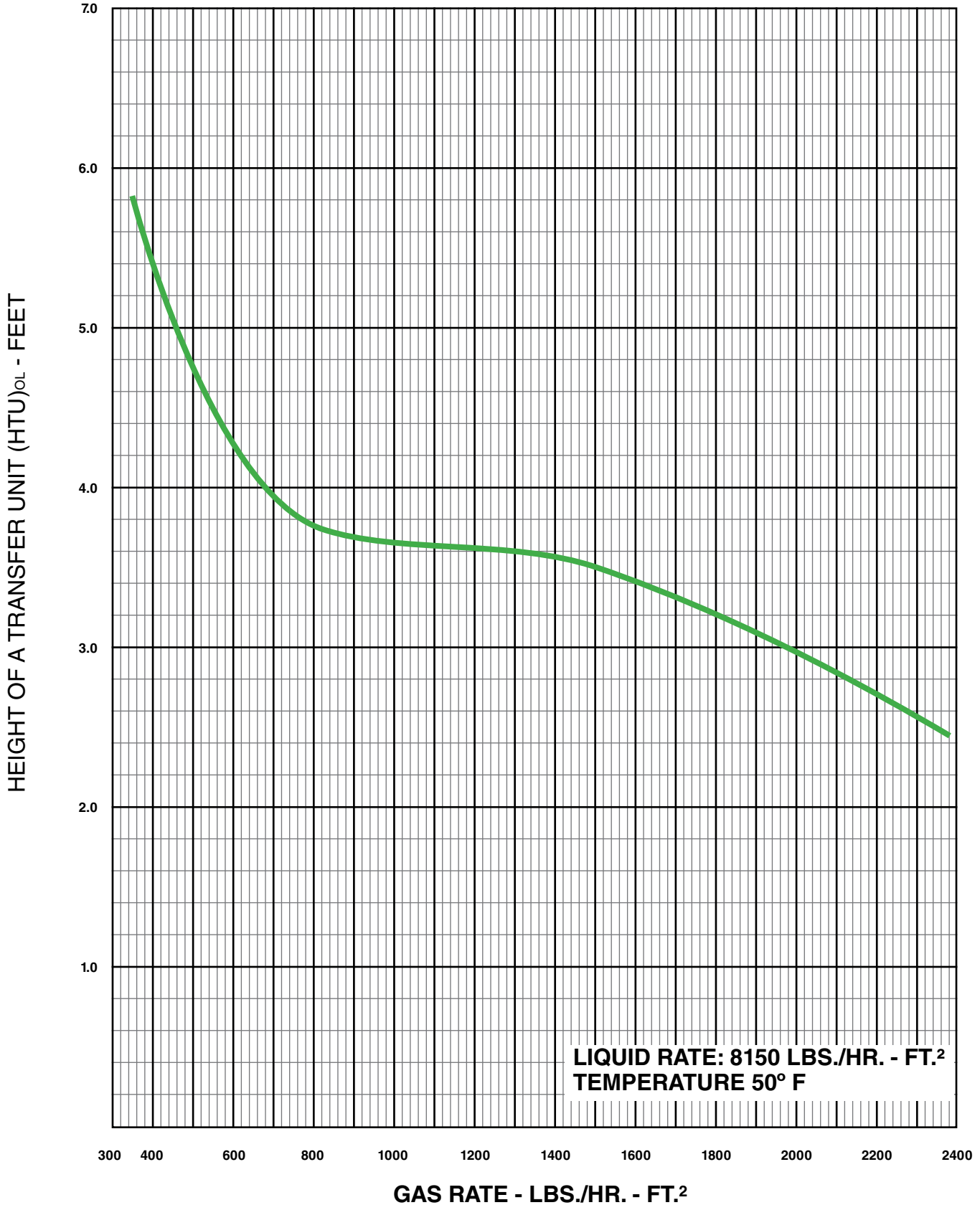
STRIPPING DATA
#2 TYPE-K TELLERETTE® TOWER PACKING
TRICHLOROETHYLENE - AIR - WATER



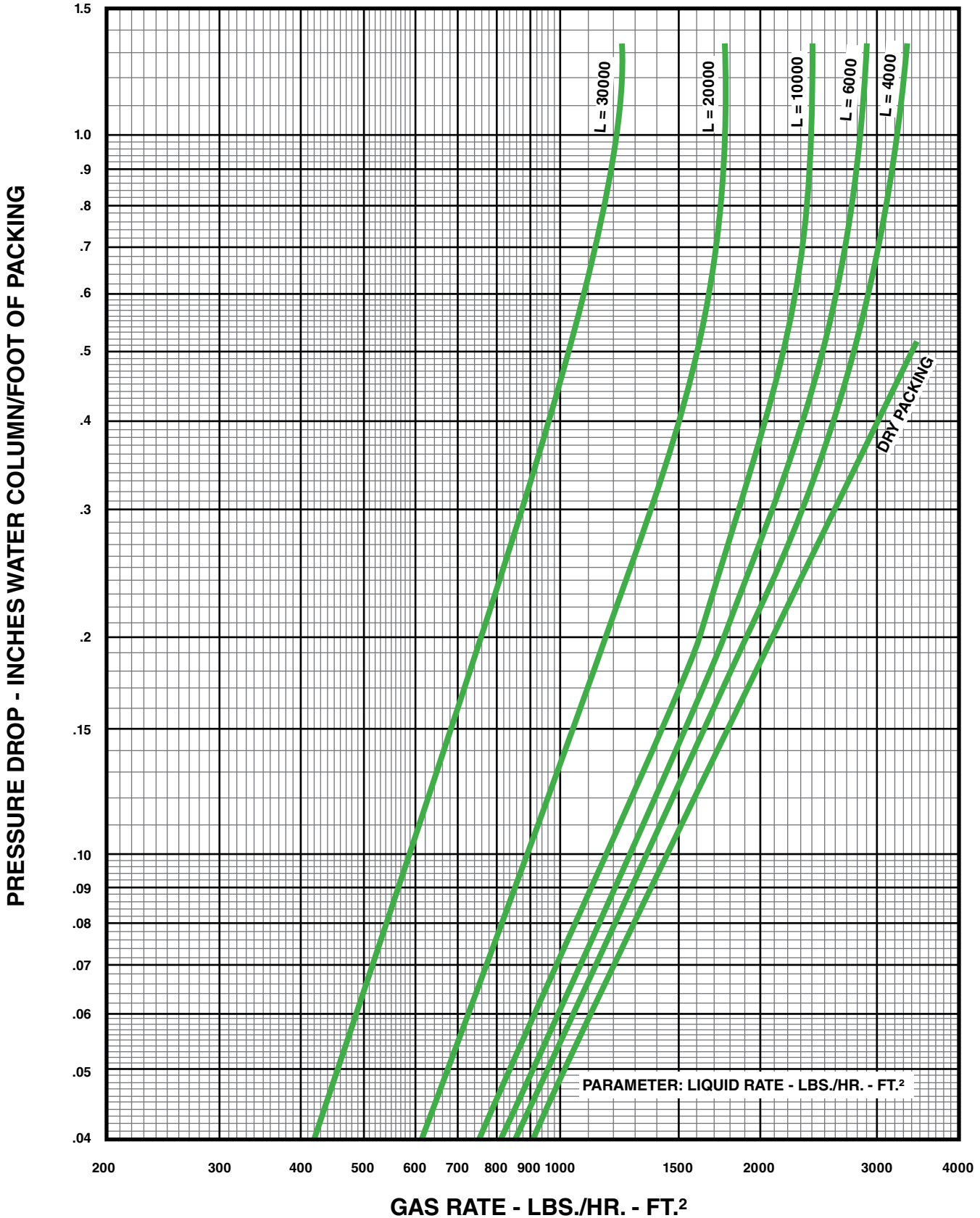
STRIPPING DATA
#2 TYPE-K TELLERETTE® TOWER PACKING
METHYLENE CHLORIDE - AIR - WATER



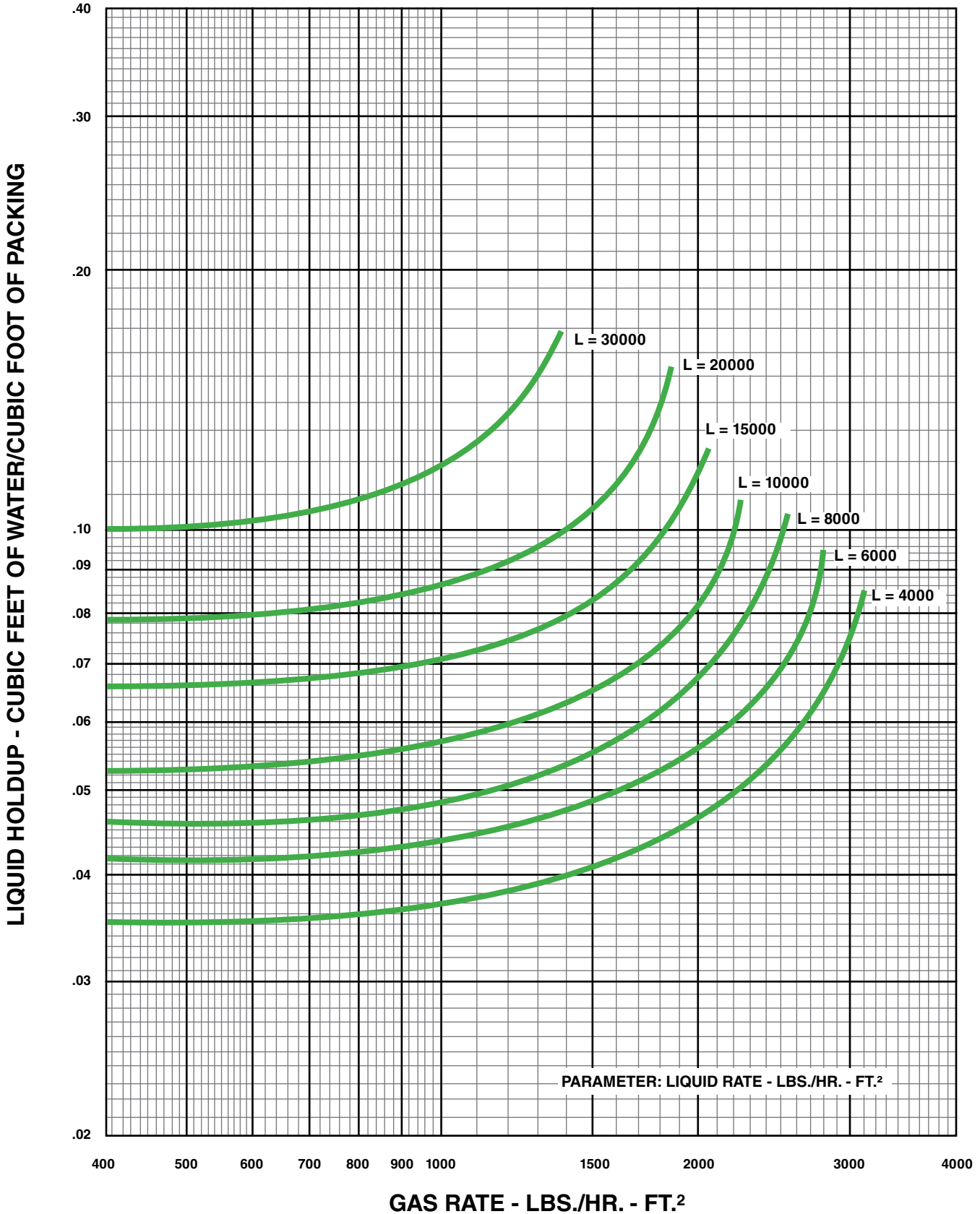
STRIPPING DATA
#2 TYPE-K TELLERETTE® TOWER PACKING
CHLOROFORM - AIR - WATER



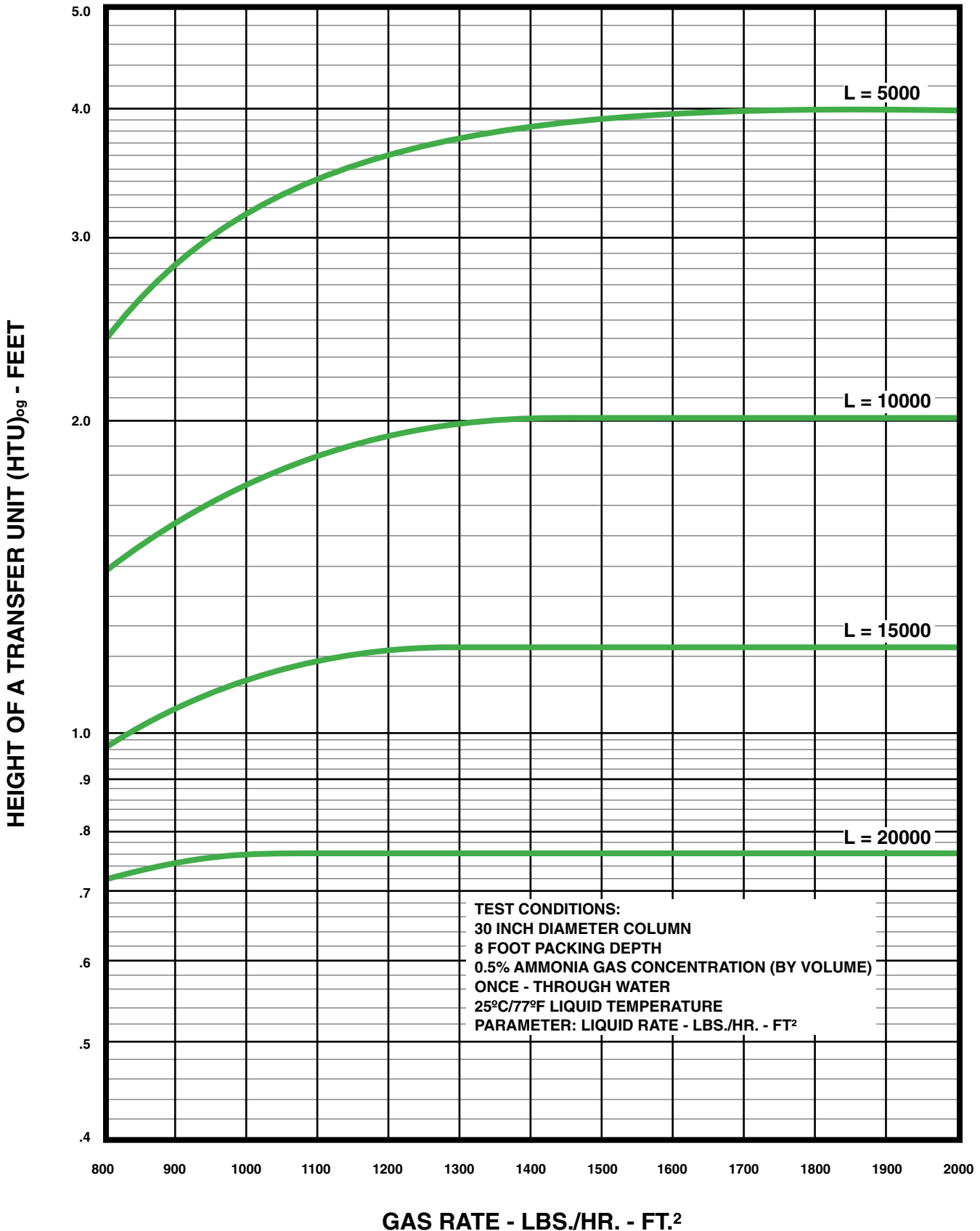
PRESSURE DROP vs. GAS RATE
#3 TYPE-R TELLERETTE® TOWER PACKING
AIR-WATER SYSTEM
COUNTERCURRENT FLOW



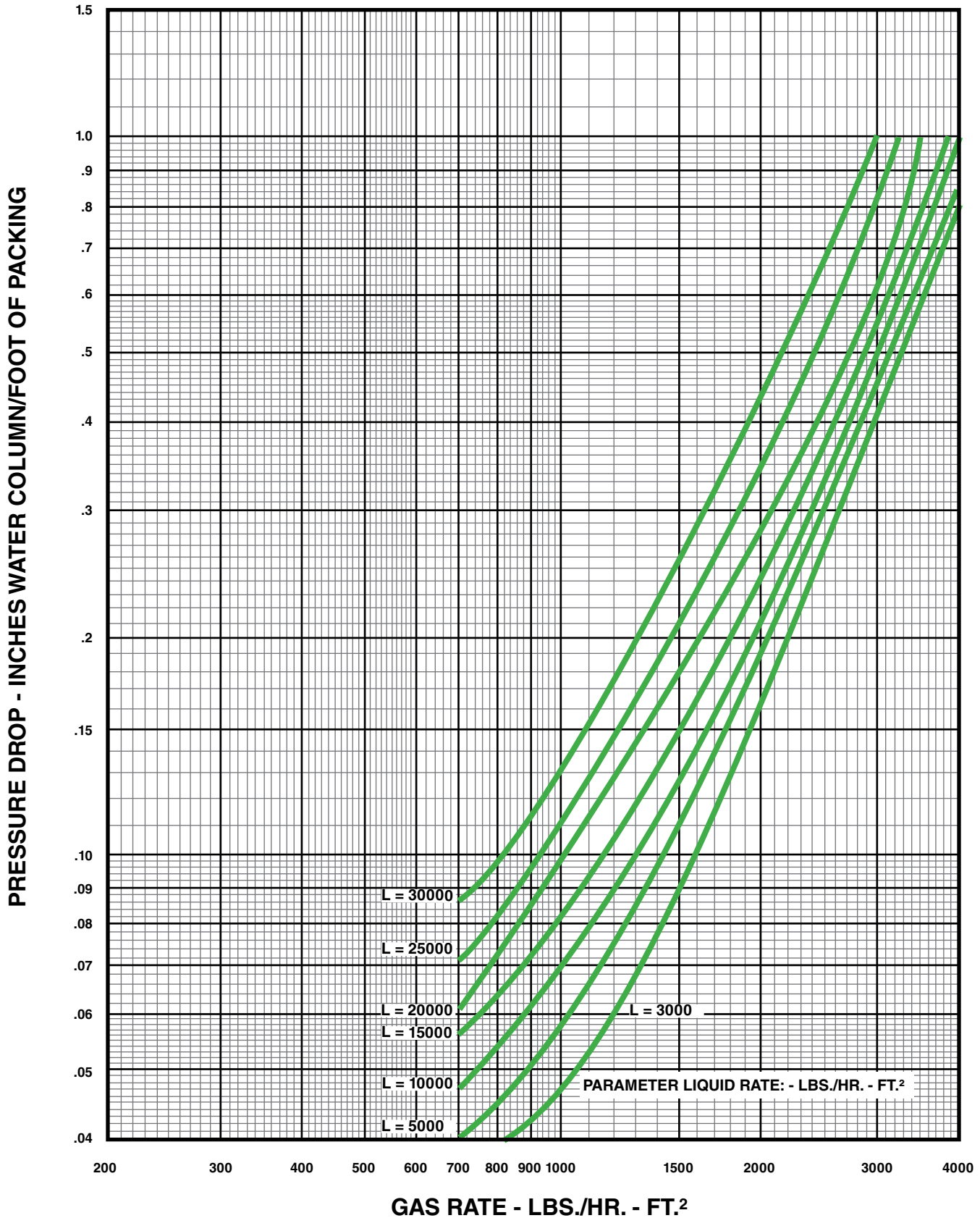
LIQUID HOLDUP vs. GAS RATE
#3 TYPE-R TELLERETTE® TOWER PACKING
AIR-WATER SYSTEM
COUNTERCURRENT FLOW



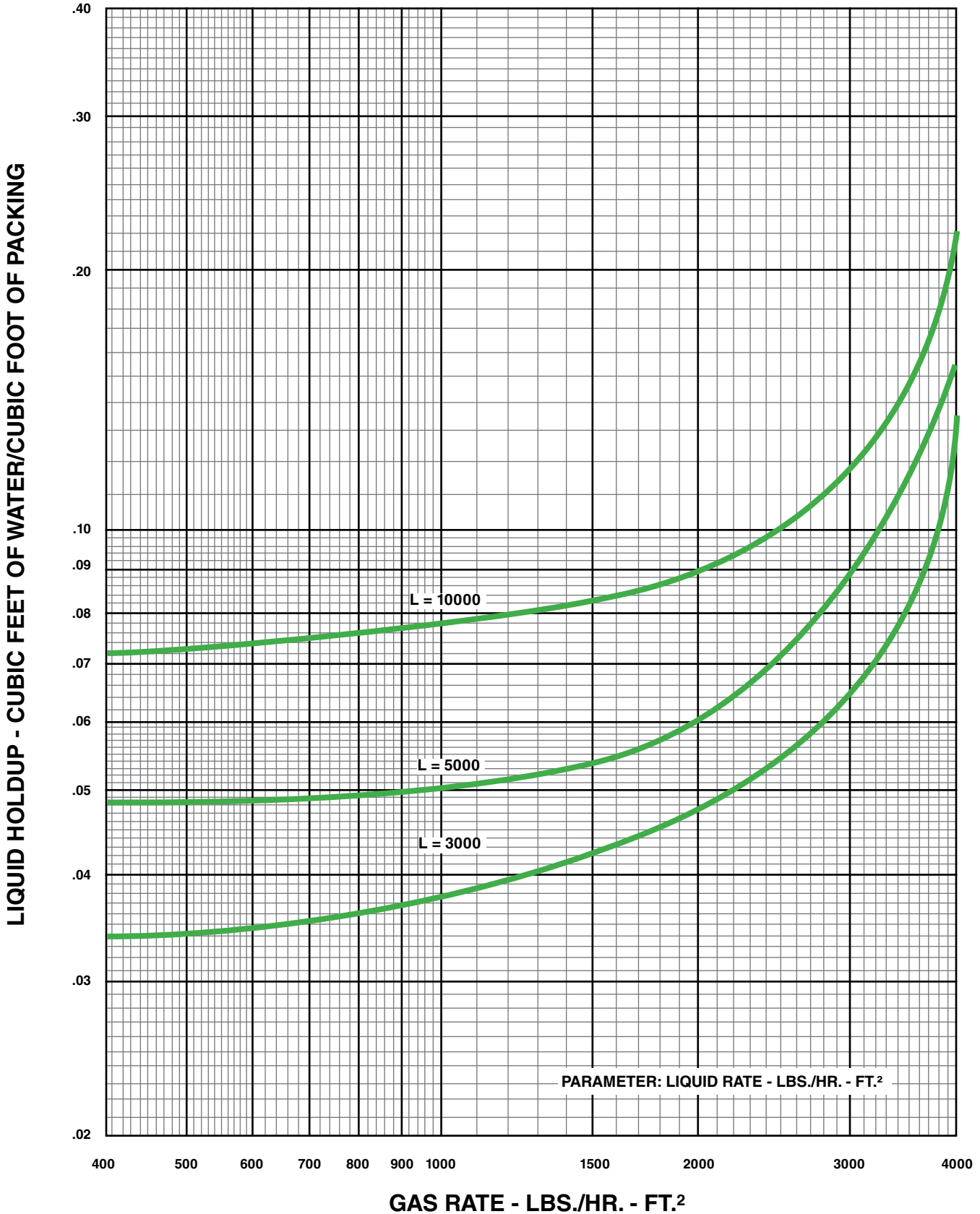
HTU vs. GAS RATE
#3 TYPE-R TELLERETTE® TOWER PACKING
AMMONIA-AIR-WATER SYSTEM
COUNTERCURRENT FLOW



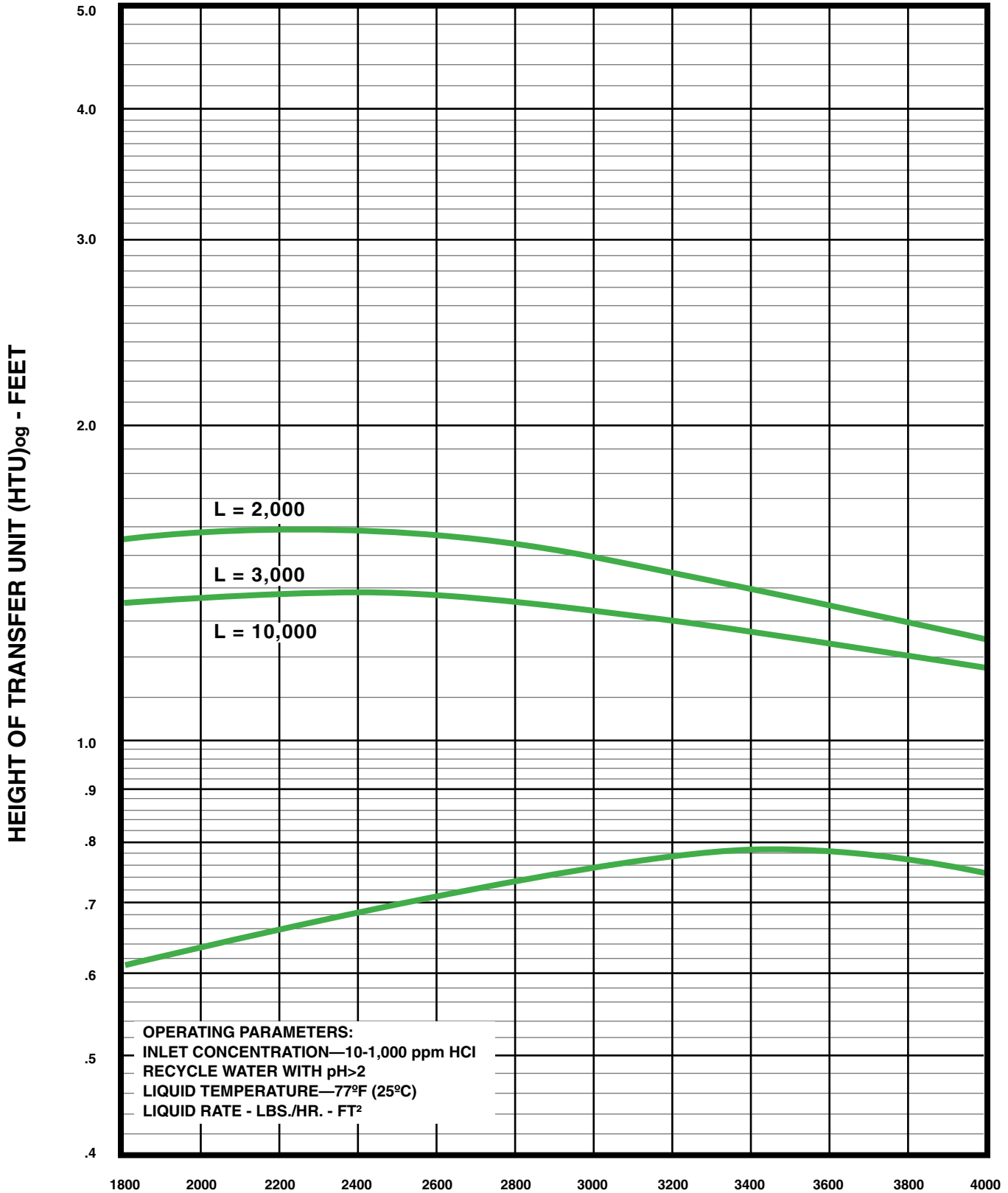
PRESSURE DROP vs. GAS RATE
#3 TYPE-K TELLERETTE® TOWER PACKING
AIR-WATER SYSTEM
COUNTERCURRENT FLOW



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-H₂O



GAS RATE - LBS./HR. - FT.²

GAS RATE - LBS./HR. - FT.²

12-10.54