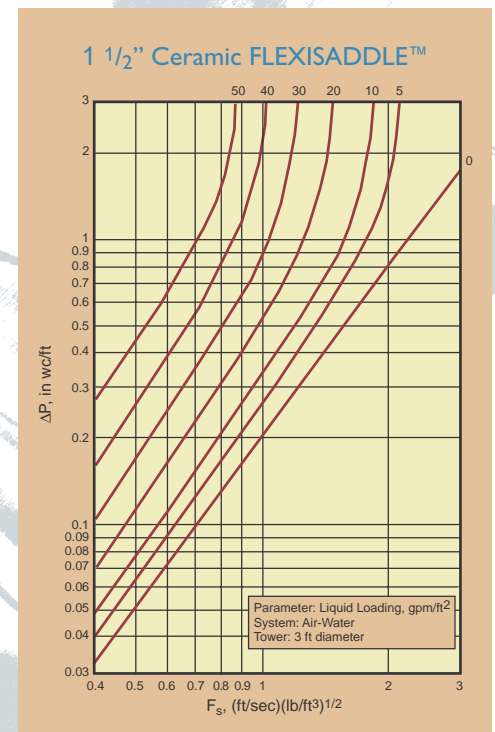
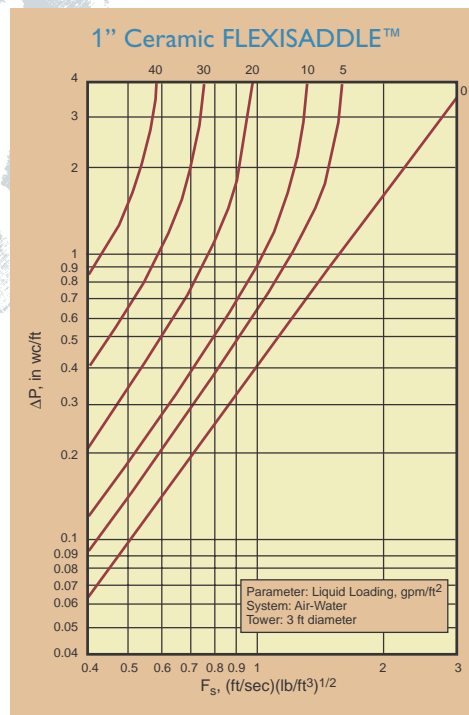
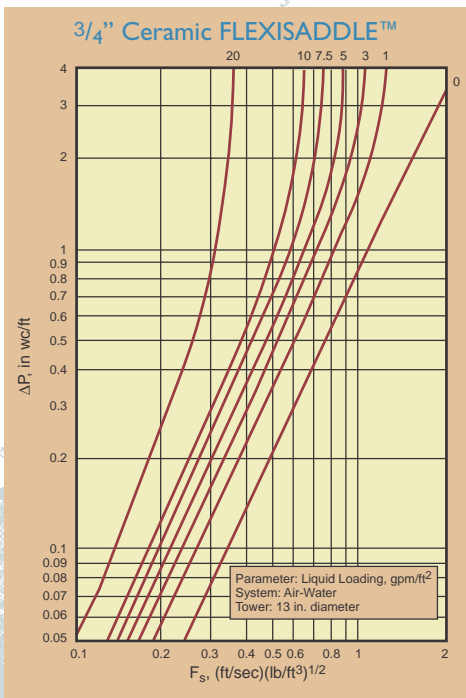


KOCH-KNIGHT LLC

Ceramic Flexisaddle™ Random Packing

The Knight-Koch LLC of Koch-Glitsch, LP manufactures ceramic FLEXISADDLE™ Tower Packing in five sizes; 3/4", 1", 1 1/2", 2", and 3". Physical characteristics of this packing can be found on the reverse side of this bulletin.

The following are capacity and pressure drop charts for ceramic FLEXISADDLE random packing:



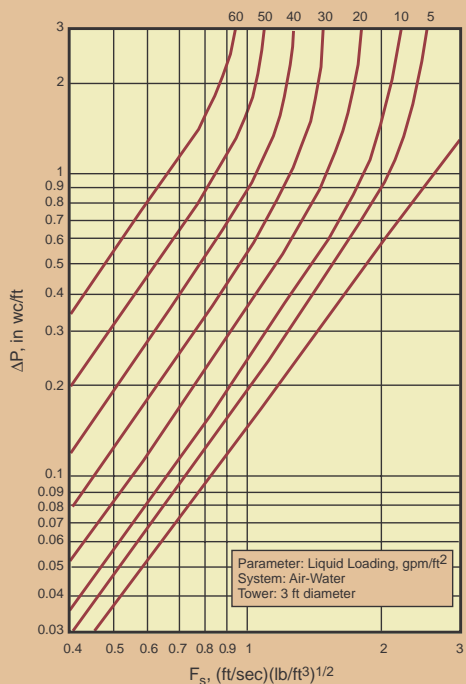
Also available in ceramic is our low pressure drop/high efficiency mass transfer device FLEXERAMIC® Structured Tower Packing and the Low Pressure Drop FLEXISADDLE™ LPD Tower Packing, a 3" size tower packing with high open area and low pressure drop. For more information on these other products, ask for Bulletin KCP-7 for the FLEXERAMIC Tower Packing and Bulletin TP-140 for the FLEXISADDLE LPD Tower Packing.

Definition of Terms Pressure Drop Capacity Curves

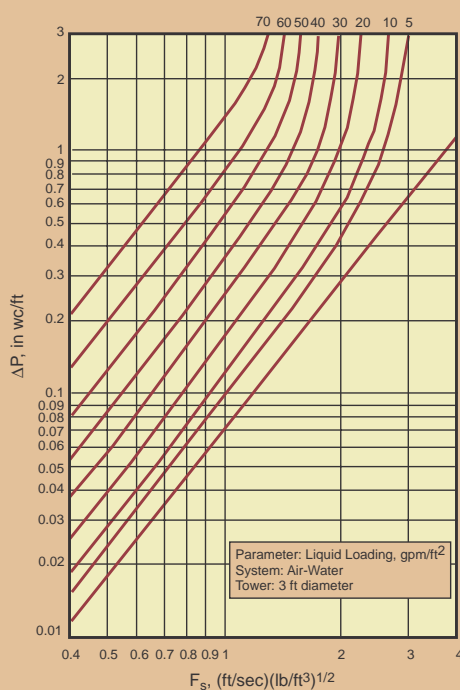
$$F_s = V_s \sqrt{\rho_v}, \quad \frac{\text{ft}}{\text{sec}} (\text{lbs}/\text{ft}^3)^{1/2}$$

Where V_s is superficial vapor velocity in ft/sec and ρ_v is vapor density in lbs/ft.³

2" Ceramic FLEXISADDLE™



3" Ceramic FLEXISADDLE™



APPLICATIONS

Ceramic FLEXISADDLE™ Random Packing

- ▶ SO₂, bromine, and HCL absorbers
- ▶ Bromine plants
Steaming-out towers
Scrubbers
- ▶ Sulfuric acid plants
Gas cooling towers
Drying towers
Absorption towers
Oleum towers
- ▶ Chlorine drying towers
- ▶ Acid gas removal systems
Quench/scrubbers
- ▶ Chlorinated hydrocarbon plants
- ▶ Chlorine dioxide plants
- ▶ Steel and coke plants
- ▶ RTO/RCO technology

TYPICAL PHYSICAL PROPERTIES

Water Absorption, %	<0.5%
Acid-Resisting Property, % Wt. Loss	4 to 6%
Packing, cubic feet per bag	1.5

TYPICAL PHYSICAL CHARACTERISTICS

	3/4"	1"	1-1/2"	2"	3"
No. Pcs./ft. ³	5400	2100	550	330	59
Packaging Density, lb/ft.	49	48	35	34	33
Free Space, %	71	70	76	78	78
Surface Area, ft. ² /ft. ³	107	72	51	36	26

FLEXISADDLES™ MEET THE FOLLOWING SPECIFICATIONS:

- ASTM C515 Chemical Porcelain
- ASTM C373 Water Absorption <0.5%
- ASTM C279 Acid Resistance <4% weight loss
- Pass DIN 51068 Thermal Cycling Breakage Test

KOCH KNIGHT LLC

A member of Koch Chemical Technology Group LLC

Koch-Knight LLC
Headquarters
P.O. Box 30070
East Canton, OH 44730
Phone: 330/488-1651
Fax: 330/488-1656

Koch-Knight LLC
Sales Office
10455 Jefferson Hwy. Suite 120
Baton Rouge, LA 70809 2732
Phone: 225/292-9899
Fax: 225/292-0033

Koch-Knight LLC
Canadian Operations
2446 Bank Street
Suite 717
Ottawa, Ontario, Canada K1V 1A8
Phone: 613/731-2001
Fax: 613/731-2218

Koch-Glitsch Italia S.r.l.
Via Tonale 50, Casella Postale 13
24061 Albano S Alessandro
Bergamo, Italy
Phone: +39-035-328-611
Fax: +39-035-328-600

Koch-Glitsch LP
Bijkhoevelaan 12
B-2110 Wijnegem, Belgium
Phone: +32-3-647-2847
Fax: +32-3-647-2879

Visit us on the internet:
www.kochknight.com

NOTE: "The information contained in this bulletin is believed to be accurate and reliable but is not to be construed as implying any warranty or guarantee of performance."