

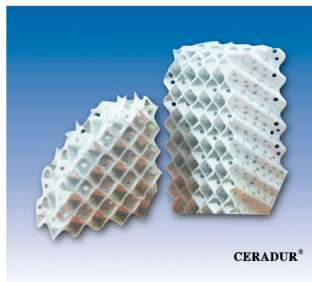


CERADUR®

湖南醴陵威特分离技术有限公司

HUNAN LILING AWT SEPARATION TECHNOLOGY CO.,LTD

Http://www.awt-septec.com



100X/Y-160X/Y 陶瓷规整填料 100X/Y-160X/Y ceramic structured packing

该系列填料的比表面积为100-160(m²/m³) 之间, 适应于大型塔器, 诸如炼油厂的常减压塔改造。其抗环酸性能是任何其它材质填料所无法匹敌。

This packing series with specific surface area ranging from 100X/Y to 160X/Y are developed for revamping of atmospheric and vacuum columns in large diameter. It also has best performance in resistance to naphthenic acids.

陶瓷波纹填料技术参数

Technical parameter of ceramic structured packings

参 数 Parameter	填料类型 Type of packings															
	700X	550X	470X	450X	450Y	400X	400Y	350X	350Y	250X	250Y	160X	160Y	125x	125y	100x
比表面积(m ² /m ³) Specific surface area	700	550	470	450	450	400	400	350	350	250	250	160	100	125	125	100
空隙率 (m ³ /m ³) Void fraction	74	77	82	77	76	80	79	81	80	82	81	86	85	88	87	89
倾斜度 (°) Chamfer	30	30	30	30	45	30	45	30	45	30	45	30	45	30	45	30
水力直径(mm) Hydraulic diameter	5	6	7	7	7	8	8	10	10	12	12	15	25	28	28	30
液体负荷 (m ³ /m ²) Liquid load	0.2-100	0.2-100	0.2-100	0.2-100	0.2-100	0.2-100	0.2-100	0.2-100	0.2-100	0.2-100	0.2-100	0.2-100	0.2-100	0.2-100	0.2-100	0.2-100
最大 F 因子 [(m ³ /kg/m ²) ^{0.5}] Maximum F factor	1.5	1.7	1.8	2.0	1.8	2.2	2.0	2.6	2.5	2.8	2.6	3.0	3.5	3.2	3.0	3.5
压力降 (mmHg/m) Pressure drop	5	4.6	4.5	4.4	4.5	3.3	3.5	2.5	2.8	2.0	2.2	1.8	2.0	1.5	1.5	1.2
理论板数 (No./m) Theoretical plate	8	6	5	3-4	4	2.8	2.8-3.2	2.5-3	2.8-3.2	2.3-2.7	2.5-3	1.8-2	1.9-2.2	1.5	1.7	1
堆积密度 Kg/m ³ Heaping density	650	550	440	560	580	510	530	480	500	460	480	350	370	300	320	280

The registered trademark of "CERADUR" owned by AWT WERNER TUTAS Co., Kopenhagener Weg 8 D-67069 Ludwigshafen, Germany.

陶瓷塔内件 Ceramic internals

陶瓷盘式分布器 Ceramic pan-type distributor



陶瓷槽式分布器 Ceramic trough-type distributor



由我公司首家开发的陶瓷盘式分布器和槽式分布器具有以下优异的性能: 耐强腐蚀, 耐高温, 不易阻塞, 容易安装调水平, 气液两相均匀分布, 压力降低。陶瓷塔内件的典型应用领域:

一氯乙酸/二氯乙酸/乙酸/ 乙酸酐在室温至140℃以下的分离。真空至1毫巴以下, 芳香族氯化物, 脂类、碳氢化合物及其他高度温度敏感物质同分异构体的分离。被盐酸/硫酸/硝酸/三氯化磷/溴化氢/溴等污染的有机溶剂的再生。

The ceramic pan type distributor and ceramic trough type distributor developed by our company has very good operation performances: high corrosion resistance, high temperature resistance, plug proof, high flexibility, easy to withdraw, uniform distribution characters for both liquid and gas phase, low pressure drop, they have been successfully used in hundreds of towers:

Typical applications for ceramic internals:

- monochloro acetic acid / dichloro acetic acid
- acetic acid
- acetic anhydride
- isomer separation from chlorinated aromatics /esters
- hydrocarbons
- other extremely temperature-sensitive substances under vacuum to 1 mbar.
- regeneration of organic solvents contaminated with HCl /H₂SO₄ /PCl₃ /HBr /Br₂ , etc