

高压均质机 Y 型金刚石交互容腔

脂肪乳 | 细胞破碎 | 纳米粒 | 纳米粉碎 | 脂肪乳

特征

- 用于微射流均质机的腔体配件
- 不锈钢经过电解抛光及内部钝化可用于医药行业
- 更长的质保期
- 及时降温设计可以保留蛋白活性，降低药典规定的大颗粒
- 可以连接其它均质机，如 Avestin, DeBEE 等

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Y 型金刚石交互容腔

高压均质机可以配备均质喷嘴，均质阀和均质腔。其中 Y 型交互容腔最适合于医药用途。金刚石 Y 型交互容腔由金刚石，医药级别的不锈钢制成。典型的例子如微射流公司的 F20Y， F12Y 交互容腔， Avestin 公司的静态均质腔， 及 Nanomizer 公司的均质腔。图 1 示出了一个典型的 Y 型交互容腔结构图，一个高压射流在 Y 型交互容腔内分入两个通道，然后通过一定角度流入一个通道。这两束射流在腔体里重新交互碰撞，通过高剪切，湍流和空化作用，物流被纳米化后流出交互容腔。

Genizer 公司提供高性能的 Y 型金刚石交互容腔，并符合制药的 GMP 标准。单通道 Y 型金刚石交互容腔可用于 M-110Y, M-110P, M-110L, M-110S, 和 M-110EH Microfluidizers 机型及 Avestin 机型。多通道 Y 型金刚石交互容腔可用于 M-210, M-7115, M-7125, 和 M-7250 机型。其它公司提供 3 个月的质保期，Genizer 公司提供 12 个月的质保期。



Contact:
Phone: +1(323) 825-1851
Fax : +1(323) 978-4693
Email: Nano@Genizer.com
www.genizer.com

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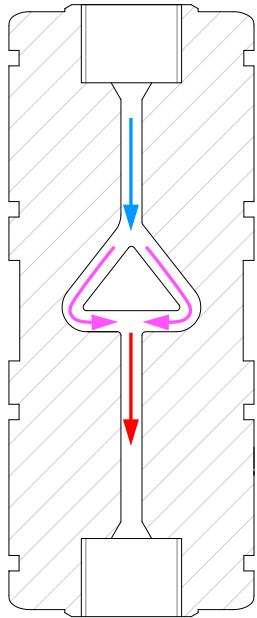


FIG. 1
单通道

Y 型交互容腔

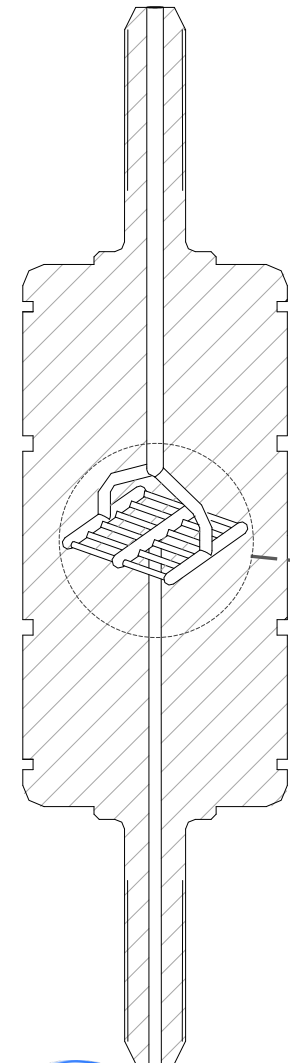


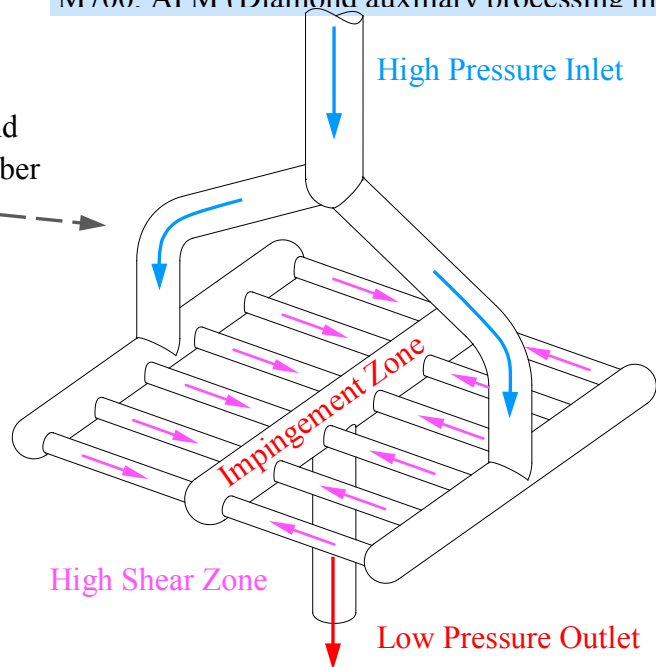
FIG. 2
多通道

Y 型交互容腔

特点

描述	单通道和多通道 Y 型交互容腔
品牌	OEM with High Quality
材质	金刚石, 医药级用不锈钢
兼容性和配件可用于	单通道: M-110Y, M-110P, M-110PS, Microfluidizer Processors & Avestin EmulsiFlexs
	M-110L, M-110S and M-110EH
	多通道: M-7115, M-7125, M-7250 and M-210
标准质保	1 年 (up to 5 years available)
尺寸长 x 宽 x 高	35mm x 35mm x 85mm (Single-Slotted) 45mm x 45mm x 165mm (Multi-Slotted) 90mm x 90mm x 235mm (M700)
重量	1 lbs. (0.5kg) (Single-Slotted) 3 lbs. (1.5kg) (Multi-Slotted) 15 lbs. (7.0kg) (M700)
清洁	Flush to clean
灭菌	压力蒸汽灭菌
压力范围	0-4,5000 psi
均质腔选型 (See price list)	单通道: F12Y, F20Y, and Static Homogenizing Valve 多通道: F12Y-4, F12Y-5, F12Y-6, F12Y-7, F20Y-4, F20Y-6, F20Y-7 H10Z, G10Z, H30Z, E230Z, H230Z, N40Y, J30Y, J20Y for M210, F20Y-12, F20Y-13, F20-Y-17 for M700. APM (Diamond auxiliary processing modules)

Y-6 DIXC
6-slotted
Y-Type Diamond
Interaction Chamber



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温控型 Y 型金刚石交互容腔

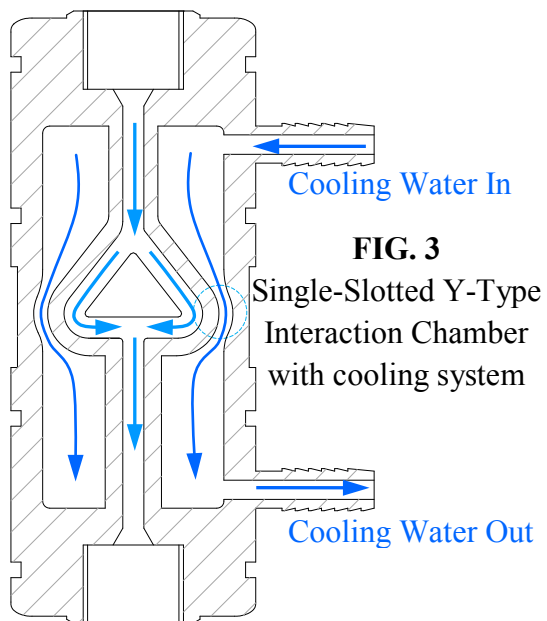


FIG. 3
Single-Slotted Y-Type
Interaction Chamber
with cooling system

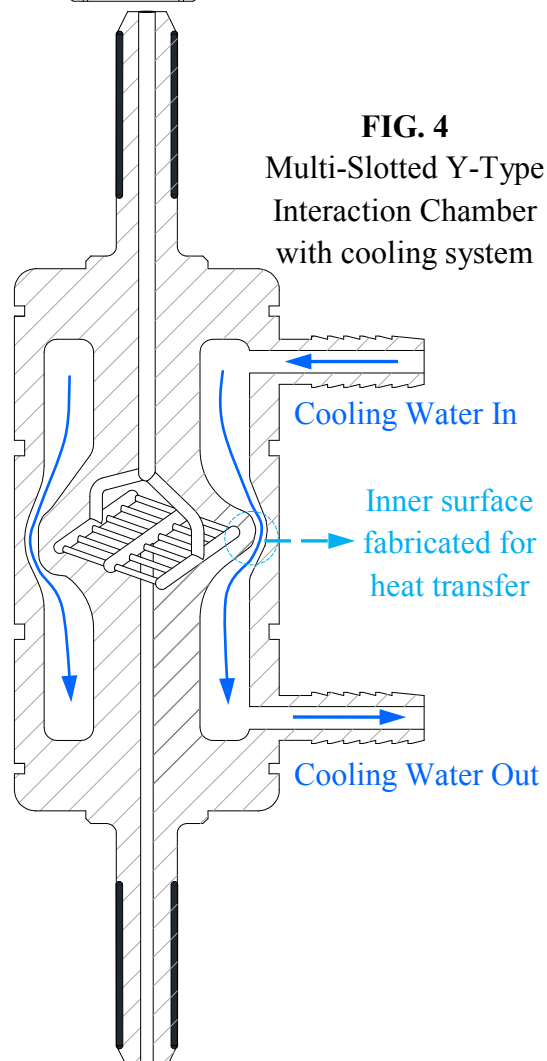


FIG. 4
Multi-Slotted Y-Type
Interaction Chamber
with cooling system

Chamber with Real-Time Cooling

The outside temperature of a working chamber can exceed 80°C and much higher from inside, which reduces the quality of the product. For example, in the pharmaceutical industry, an overheated chamber leads to the formation of oversized particles. Particles in the parenteral > 5 microns (µm) or PFAT5 > 0.05% are not favored by the FDA and United States Pharmacopeia (USP) 729. During cell disruption, protein activity will also be compromised. Further, the real-time cooling chamber is a better choice for preparation of Emulsified Fuel in the safer temperature. The traditional method cools the chamber by immersing it entirely in cooling liquid, but the chamber's thick steel cover makes this an ineffective solution. This patent fabrication has the cooling option inside the chamber (Fig. 3, Fig. 4), which allows for much more effective heat exchange.

Specifications

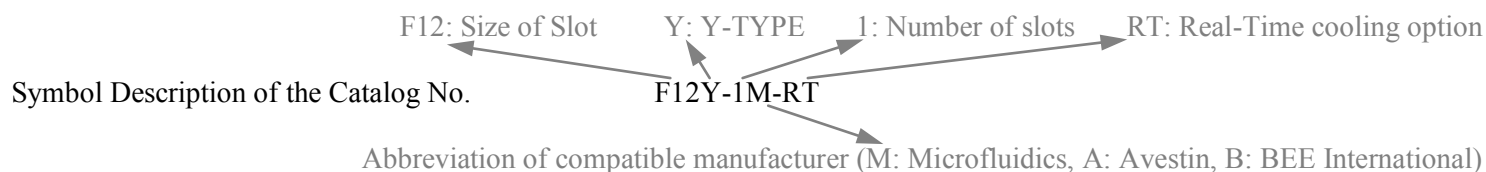
Description	Y-Type Diamond Interaction Chamber Single-Slotted, Multi-Slotted
Brand	OEM with High Quality
Materials	Diamond, 316SS stainless steel
Compatibility and Full Replacement for Microfluidizer Processors & Avestin EmulsiFlex	Single-Slotted: M-110Y, M-110P, M-110PS, M-110L, M-110S and M-110EH Static Homogenizing Valve (Avestin) Multi-Slotted: M-7115, M-7125, M-7250 and M-210
Standard Warranty	1 year (up to 5 years available)
Dimensions W x D x H	35mm x 35mm x 85mm (Single-Slotted) 45mm x 45mm x 165mm (Multi-Slotted)
Weight	1 lbs. (0.5kg) (Single-Slotted) 3 lbs. (1.5kg) (Multi-Slotted)
Cleaning	Flush to clean
Sterilizing	Whole unit autoclavable
Pressure Range	0-4,5000 psi
Chamber Type Available (See price list)	Single-Slotted: F12Y-RT, F20Y-RT, and Static Homogenizing Valve-RT Multi-Slotted: F12Y-4-RT, F12Y-5-RT, F12Y-6-RT, F12Y-7-RT, F20Y-4-RT, F20Y-6-RT, F20Y-7-RT
	H10Z, G10Z, H30Z, E230Z, H230Z, N40Y, J30Y, J20Y for M210, F20Y-12, F20Y-13, F20Y-17 for M700

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Y 型金刚石交互容腔选型表



目录号.	兼容性	适配机型	Price (US\$)
F12Y-1M	Microfluidics	M-110Y, M-110P, M-110PS, M-110L, M-110S and M-110EH	3,000.00
F20Y-1M	Microfluidics	M-110Y, M-110P, M-110PS, M-110L, M-110S and M-110EH	3,000.00
F12Y-4M	Microfluidics	M-7115, M-7125, M-7250 and M-210	quote
F20Y-4M	Microfluidics	M-7115, M-7125, M-7250 and M-210	quote
F12Y-5M	Microfluidics	M-7115, M-7125, M-7250 and M-210	quote
F20Y-5M	Microfluidics	M-7115, M-7125, M-7250 and M-210	quote
F12Y-6M	Microfluidics	M-7115, M-7125, M-7250 and M-210	quote
F20Y-6M	Microfluidics	M-7115, M-7125, M-7250 and M-210	quote
F12Y-7M	Microfluidics	M-7115, M-7125, M-7250 and M-210	quote
F20Y-7M	Microfluidics	M-7115, M-7125, M-7250 and M-210	quote
F12Y-1B	BEE International	Nano DeBEE 45, Micro DeBEE 45, Mini DeBEE 45	3,000.00
F20Y-1B	BEE International	Nano DeBEE 30, Mini DeBEE 30, Micro DeBEE 30	quote
F12Y-nB	BEE International	DeBEE 1000, DeBEE 2000, DeBEE3000, DeBEE2000P	quote
F20Y-nB	BEE International	DeBEE 1000, DeBEE 2000, DeBEE3000, DeBEE2000P	quote
F12Y-1A	Avestin	(Static Homogenizing Valve) Avestin	3,000.00
F20Y-1A	Avestin	(Static Homogenizing Valve) Avestin	3,000.00
F12Y-1M-RT	Microfluidics	M-110Y, M-110P, M-110PS, M-110L, M-110S and M-110EH	3,600.00
F20Y-1M-RT	Microfluidics	M-110Y, M-110P, M-110PS, M-110L, M-110S and M-110EH	3,600.00
F12Y-4M-RT	Microfluidics	M-7115, M-7125, M-7250 and M-210	quote
F20Y-4M-RT	Microfluidics	M-7115, M-7125, M-7250 and M-210	quote
F12Y-6M-RT	Microfluidics	M-7115, M-7125, M-7250 and M-210	quote
F20Y-6M-RT	Microfluidics	M-7115, M-7125, M-7250 and M-210	quote
F20Y-7M-RT	Microfluidics	M-7115, M-7125, M-7250 and M-210	quote
F20Y-12	Microfluidics	M-700	quote
F20Y-17	Microfluidics	M-700	quote

Warranty: 1 year. Always a 25% discount for public research. (30% discount available for publications.) For further questions, please email us, including the manufacturer information and the type of homogenizer in your message.

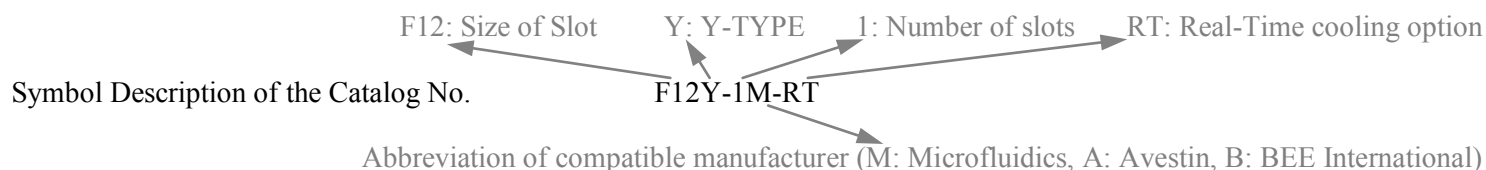


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Price List for Upgrading to Y-type Interaction Chamber

Limited time promotion



Original Chamber	Upgrade to Brand New	Warranty time	Price (US\$)
F12Y or F20Y Diamond Single-Slotted Chamber (Microfluidics)	F12Y-1M-RT or F20Y-1M-RT Single-Slotted Diamond Chamber	Match to Original Warranty	500.00
F12Y or F20Y Ceramic Single-Slotted Chamber (Microfluidics)	F12Y-1M-RT or F20Y-1M-RT Single-Slotted Diamond Chamber	Match to Original Warranty	quote
F12Y or F20Y Diamond Multi-Slotted Chamber (Microfluidics)	F12Y-RT or F20Y-RT Multi-Slotted Diamond Chamber	Match to Original Warranty	quote
F12Y or F20Y Ceramic Multi-Slotted Chamber (Microfluidics)	F12Y-RT or F20Y-RT Multi-Slotted Diamond Chamber	Match to Original Warranty	quote
Diamond Nozzle on Nano Mini or Micro DeBEE (BEE International)	F12Y-1B or F20Y-1B Y-Type Single-Slotted Diamond Chamber	Match to Original Warranty	quote
Zirconia Nozzle on Nano Mini or Micro DeBEE (BEE International)	F12Y-1B or F20Y-1B Y-Type Single-Slotted Diamond Chamber	Match to Original Warranty	quote
Diamond Nozzle on Production Unit (BEE International)	F12Y-1B or F20Y-1B Y-Type Multi-Slotted Diamond Chamber	Match to Original Warranty	quote
Zirconia Nozzle on Production Unit (BEE International)	F12Y-1B or F20Y-1B Y-Type Multi-Slotted Diamond Chamber	Match to Original Warranty	quote
Other Unit	Y-Type Interaction Diamond Chamber	Match to Original Warranty	quote

The Y-Type Interaction Chamber, regarded as one of the most powerful chambers to date, has been used by several manufacturers, including Microfluidics (Y-Type Interaction Chamber), Avestin (Static Homogenizing Valve) and Nanomizer (Collision-Type Generator). We provide upgrading service from your original interaction Chamber. We deliver the brand new Y-Type Interaction Diamond Chambers to exchange your old chambers. So far the Chamber from Microfluidics and Nozzle from BEE International is upgradable. Please send the information if you want to upgrade Chamber or Valve or Nozzle in your high pressure homogenizers from the other manufactures.

Warranty: Match to Original Warranty. Always a 25% discount for public research. (30% discount available for publications.) For further questions, please email us, including the manufacturer information and the type of homogenizer in your message.



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