



FINEST QUALITY SERVICE

PRODUCT FOCUS: NEW PRODUCT RECEIVER OPTIONS

PRODUCT FOCUS New Product Receiver Options | September, 2017

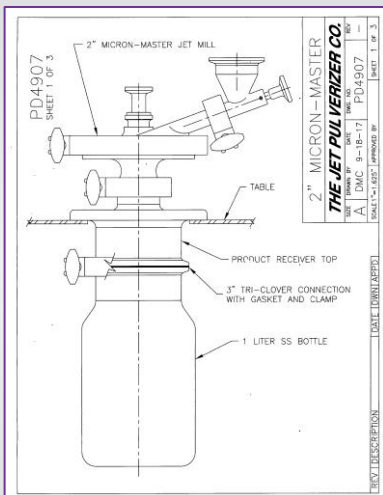
INDUSTRY: VARIOUS

LOCATION: GLOBAL

KEY CHALLENGES:
INCREASE CLIENTS'
PRODUCT RECEIVER
OPTIONS

SOLUTION: ENGINEER
FLEXIBLE SOLUTION
CENTERED AROUND TRI-
CLAMP CONNECTOR

BENEFITS: OFFER UP TO 4
DIFFERENT SIZES,
MATERIAL OPTIONS WITH
ADAPTORS



Since 1946, Jet Pulverizer has been responding to customer demands with high quality, engineered solutions. Our engineering team continues to upgrade the original design of the Micron-Master Jet Mills with innovative solutions which bring flexibility and functionality to their clients' operations.

The Challenge

The Jet Pulverizer Micron-Master 1" and 2" laboratory scale jet mills are manufactured with an integral, bottom cyclone collector as standard. The finished product is separated from the motive gas directly beneath the mill using the strong vortex energy already created for grinding. Up to now, the 1" and 2" models came standard with a threaded product receiver compatible designs which limited the number of offerings available to just a few sanitary grade polypropylene or HDPE threaded top jars. Clients were clamoring for increased choices in their product receiver options without compromising surface contact or leakage.

The Solution

The Jet Pulverizer Company wanted to increase its customers' flexibility in product collection both with the types of materials and the volume options it could provide. By introducing a Tri-Clamp (T/C) connection directly to the bottom of the mills, the engineering team has been able to deliver on both. Today, the 1" jet mill cyclone collector is designed with a 2" T/C connection at its discharge ready to accept a small capacity bottle or two threaded-



The Jet Pulverizer Co.

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top jars. A sanitary T/C 500 ml 316 stainless steel bottle is a standard accessory. Other product collection containers can be 125 ml and 250 ml polypropylene threaded-top jars (requires adapter MS-F02-00026).

The 2" jet mill cyclone collector is designed with a 3" Tri-Clamp connection at its discharge ready to accept bottles or several threaded-top jars. A sanitary T/C 1-liter 316 stainless steel bottle is a standard accessory. A sanitary T/C 2-liter 316 stainless steel bottle is also available (requires adapter MS-F02-00054). Other product collection containers offered are threaded-top 125 ml, 250 ml, 500 ml, and 1 L polypropylene threaded-top jars (requires adapters MS-F02-00055 [125/250] or MS-F02-00057 [500/1000]). Also, 2L and 4L HDPE threaded-top bottles are available (requires adapter MS-F02-00056).

New Standard		Available Options		
1" Mill	2" T/C for .5L 316 SS	2" Adapter for 125ml & 250ml Threaded Jars		
2" Mill	3" T/C for 1L 316 SS	3" Adapter for 125ml & 250ml Threaded Jars	3" Adapter for .5L & 1L Threaded Jars	3" Adapter for 2L & 4L Threaded Jars

The Impact

Since 1946, Jet Pulverizer's engineering team has been responding to clients' particle size reduction challenges. By increasing clients' options in their product receiver choices with an elegant, functional and flexible solution, Jet has been able to create and set a new standard for its laboratory scale jet mills

"This new Tri-Clamp connection allows for easier cleaning, zero leaking and modular product receiver solutions," states Jeff Conn, VP of OEM and chief engineer on this project "we were handed a client challenge and our solution proved so successful that we integrated it into our standard offering."



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