

Nano DeBEE

BEE INTERNATIONAL
NEXT GENERATION HOMOGENIZERS

EMULSIFYING
CELL RUPTURE
DISPERSING
GRINDING



Ultra-High Pressure Homogenizer Electric Benchtop

- Cell rupture with the highest yield
- Particle size reduction
- Stable micro / nano emulsions & dispersions
- Guaranteed scalability

Unmatched Results in Fewer Passes



Nano DeBEE

Achieve Better Results, with a Tighter Distribution, in Less Time

Considered to be the most versatile benchtop homogenizer on the market, the Nano DeBEE combines a variety of mixing tools into one advanced instrument. With unique process setups you can select the intensity and force of mixing parameters:

- Cavitation
- Shear
- Impact
- Pressure
- Back-pressure
- Process duration

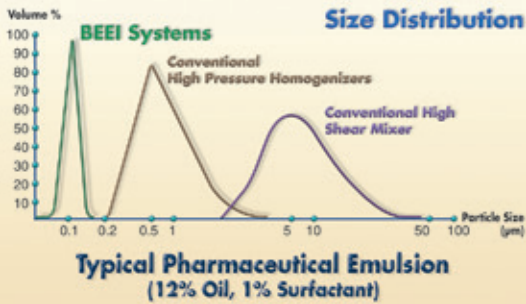
Proven to achieve industry leading results for **cell lysis, nano emulsions and dispersions, and particle size reduction:**

- High yield cell lysis
- Extend product stability
- Improve bioavailability
- Tighter particle size distribution



The Nano DeBEE is:

- Easy to use and clean
- 100% Scalable
- Electric, in-line, continuous operation
- Low maintenance costs



BEE INTERNATIONAL is dedicated to advancing the technology of homogenization. Our research and development is ongoing, and you can depend on our precision engineering, quality manufacturing and worldwide service for the highest reliability.



BEE INTERNATIONAL, INC.
46 Eastman Street
South Easton, MA 02375

Phone: 508-238-5558
Fax: 508-238-3860

E-mail: Sales@BEEI.com
Web: www.BEEI.com

	Pressure	Flow Rate		
		mL / min	L / hr	gal / hr
Nano DeBEE 45-2	45,000 PSI	35	2	0.5
	3,100 bar			
Nano DeBEE 30-4	30,000 PSI	70	4	1
	2,000 bar			
Nano DeBEE 45-4	45,000 PSI	70	4	1
	3,100 bar			
	Nano DeBEE 45-2		Nano DeBEE 30-4 & 45-4	
Benchtop Weight	23 kg / 50 lb			
Benchtop Dimensions	87x30x23 cm H / 34"x11.75"x9" H			
Power Unit Weight	45 kg / 100 lb		55 kg / 120 lb	
Power Unit Dimensions	69x36x29 cm H / 27"x14"x11.5" H		41x41x67 cm H / 16"x16"x26.5" H	
Minimum Volume	12 mL with Small Volume option			



Nano DeBEE 45-2