



GEA Homogenization technology

Delivery Program

Leading supplier of high pressure homogenizers

GEA offers highly specific and customized process solutions for a complete range of industries and applications to always meet and ensure product quality excellence.

Efficiency at its best

From food to cosmetic products, from drugs to chemical and biotech applications, homogenization technology plays a primary role and is applied to a variety of everyday, widely used products. This is the result of specific know-how and a spirit of innovation constantly focused on process performance.

Thanks to a development strategy of both established and potential applications often based on cooperation with our customers' Research and Development Centers, GEA offers a wide range of high pressure homogenizers able to guarantee and repeat overtime premium performances.

Ariete Series

The GEA Ariete Series is the state-of-the-art technology and includes 15 models, completely customizable with more than 300 options to guarantee the best performance and reliability.

These powerful and tailor made solutions help customers meet products needs and resolve technical challenges for new application development.



Ariete Series Performances

From the smallest machine size to the largest one, GEA assures the same quality on the final product.

PERFORMANCES

Max Flow Rate l/h

Pressure bar	Ariete Homogenizer 2006	Ariete Homogenizer 3006	Ariete Homogenizer 3011	Ariete Homogenizer 3015	Ariete Homogenizer 3030	Ariete Homogenizer 3037	Ariete Homogenizer 3045
100	650	1.000	3.000	4.500	7.500	12.000	12.000
180	450	750	1.800	2.500	5.000	6.700	8.000
200	450	750	1.600	2.200	4.200	6.000	7.300
250	400	600	1.300	1.800	3.300	5.000	5.800
400	200	350	800	1.100	1.700	3.000	3.600
600	100	220	550	750	1.100	2.000	/
1.000	80	120	/	400	650	1.200	/
1.200	80	120	/	370	500	1.000	/
1.500	35	50	/	250	330	800	/

Max Flow Rate l/h

Pressure bar	Ariete Homogenizer 3055	Ariete Homogenizer 3075	Ariete Homogenizer 3090	Ariete Homogenizer 3110	Ariete Homogenizer 5132	Ariete Homogenizer 5200	Ariete Homogenizer 5315	Ariete Homogenizer 5400
100	14.000	14.000	17.500	22.000	28.000	37.000	65.000	80.000
180	10.000	12.000	16.000	20.000	23.900	34.000	47.000	65.000
200	9.000	11.000	14.500	18.000	21.500	30.000	41.000	57.000
250	7.200	8.200	11.700	15.000	17.200	26.000	34.000	45.000
400	4.500	4.900	7.300	8.700	10.700	15.000	21.000	28.000
600	2.800	3.100	4.900	5.500	7.000	10.000	14.000	18.000
1.000	/	1.400	/	3.400	/	5.500	/	10.000
1.200	/	1.400	/	2.600	/	4.200	/	7.000
1.500	/	1.000	/	1.800	/	3.000	/	5.000

Technical specifications are preliminary and subject to modification without notice

Lab homogenizers: a complete range for any needs

Table-top and pilot plant laboratory homogenizers

From the initial concept, through pilot trials and final analysis: this is the right way to fine tune the perfect product's formulation and the best homogenizing condition. The complete range of GEA laboratory homogenizers helps to refine the most appropriate recipes, with minimum development time and maximum outcome security. Test results from laboratory homogenizers trials are reliable when scaling up to larger GEA homogenizer for industrial productions.

Models	Max pressure	Flow rate
Lab Homogenizer PandaPLUS 1000	1000 bar	20 l/h
Lab Homogenizer PandaPLUS 2000	2000 bar	9 l/h
Lab Homogenizer TwinPANDA 400	400 bar	55 l/h
Lab Homogenizer TwinPANDA 600	600 bar	30 l/h
Lab Homogenizer Pony 2006	1200 bar	80 l/h
Lab Homogenizer Pony 2006	1500 bar	35 l/h
Lab Homogenizer Panther 3006	1200 bar	120 l/h
Lab Homogenizer Panther 3006	1500 bar	50 l/h

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Main features:

- Guaranteed scalability of results
- High reliability of performance over time and limited maintenance
- Improved performance thanks to Re+VALVE in reversible ceramic or tungsten carbide
- High resistance and conformity for use with abrasive products
- 2nd stage homogenizing valve

Main options:

- Pressure display and controls
- Pressure gauges and transducers
- Electrical power board
- Basic or extended spare part package
- Water and air solenoid valves



We live our values.

Excellence • Passion • Integrity • Responsibility • GEA-versity

GEA is one of the largest technology suppliers for food processing and a wide range of other industries. The global group specializes in machinery, plants, as well as process technology and components. GEA provides sustainable solutions for sophisticated production processes in diverse end-user markets and offers a comprehensive service portfolio.

The company is listed on the German MDAX (G1A, WKN 660 200), the STOXX® Europe 600 Index and selected MSCI Global Sustainability Indexes.

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