

Ariete NS8315



From the world leader in high pressure homogenization: absolute quality and reliability with advanced technical solutions for any process need.

LIQUID END

- High quality stainless steel and special high wear resistance materials for best mechanical and corrosion resistance performances
- 3A and electropolished versions available
- Ball (PVB) and poppet valves (PVP) interchangeable into the same block design for maximum product handling flexibility
- Aseptic version compression block available with sterile condensate packing flushing
- Various materials for pumping plungers

HOMOGENIZING VALVE

- One stage (standard on homogenizers) with pneumatic adjustment from the machine's control panel
- High efficiency design valve NanoVALVE™, based on advanced fluid dynamics concepts, available as option
- Engineered for easy maintenance and cleaning
- Second stage option

POWER END

- Heavy duty and reliable power frame
- AC motor drive
- Forced lubrication with gear pump and low oil pressure switch
- "V" belts drive train and high performances tooth-belt transmission

CASING

- Made in polished stainless steel with sound proof lining
- Easy access and maintenance with removable panels
- Noise reduction execution (≤ 75 dB) available

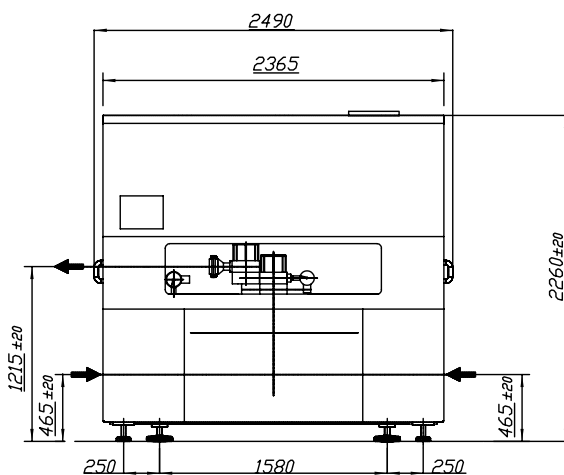
TOOLS AND SPARE PARTS

- Special tools and one set of emergency spares parts supplied with the machine
- Two copies of detailed O&M manual

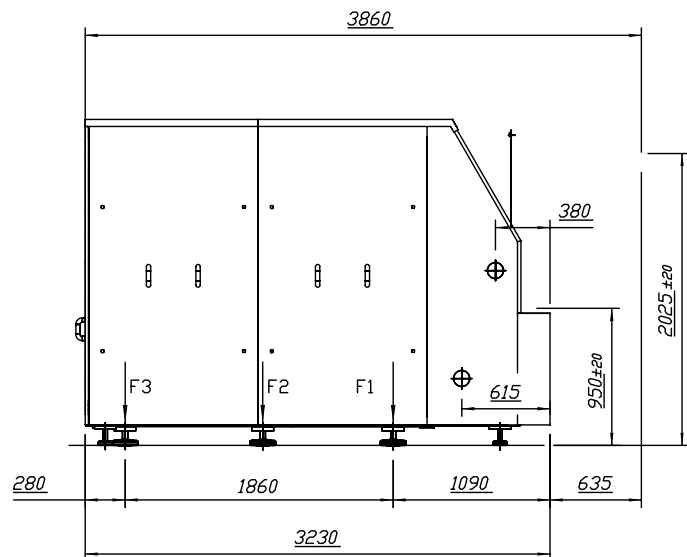
GEA Niro Soavi
Leading Pressure

Ariete NS8315

- Designed according to the EU safety rules (CE standards), engineered, manufactured and tested according to ISO EN 9001 Quality System
- Sanitary and aseptic execution, designed for CIP and SIP
- Suitable for abrasive and viscous products
- Homogenizing pressure up to 700 bar
- Monoblock compression head design
- Easy implementation in remote controlled systems and complete process lines



measure in mm



Technical specifications are not mandatory and subject to change without notice

PERFORMANCES

Pressure (bar)	Max Flow Rate (l/h)
100	52000
150	52000
200	45000
250	36000
400	21000
600	14500
700	11500
1000	-
1200	-

TECHNICAL DATA

Number of plungers	8
Stroke	100 mm
Absorbed motor power up to	315 kW
Weight	12000 kg
Water consumption	320 l/h
Lubricating oil ISO VG 150	150 l

COMPRESSION HEAD

- Special high grade Duplex / Super Duplex SS alloy
- Monoblock construction

PUMP VALVES

- High wear resistant Stellite™ alloy removable seats
- Ball type (PVB) or poppet type (PVP) in solid Stellite™

PISTONS

- Chrome coated stainless steel
- Tungsten carbide coated stainless steel
- Solid ceramic

HOMOGENIZING VALVE

- Pneumatic actuated
- Wear parts made of tungsten carbide, ceramics as option
- High efficiency NanoVALVE™ available as option

PRODUCT LINE CONNECTIONS

- DIN 11851, TRI-Clamp™
- Others as option upon request

POWER END

- Rugged cast iron power frame
- Forced lubrication with low oil pressure switch
- Totally enclosed sound proof execution with removable SS panels

MAIN OPTIONS

- high pressure pump version
- 2nd stage homogenizing valve
- electric power board for fixed or variable capacity

COMPANY
WITH QUALITY SYSTEM
CERTIFIED BY DNV
=ISO 9001/2000=

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