



# HIGH PRESSURE HOMOGENIZERS AND PLUNGER PUMPS

SINCE 1974



# HOMOGENIZERS AND HIGH-PRESSURE PUMPS



## Michelangelo SERIES | EVO-GREEN

### PLUS

- Hygienic design and manufacture according to MOCA requirement
- Friendly maintenance of liquid end
- Power end minimal maintenance
- Easy opening panels
- Low sound level
- Plungers made of integral ceramic

### STAR LINE PLUS

- Low-high pressure packing design with integrated cooling system
- In-line suction/delivery valves ball type
- Validated for nano dispersion and emulsion
- Valve seat made of High nitrogen Alloyed steel

MAX POWER [kW] - MAX PRESSURE [bar] - MAX CAPACITY [l/h]

MODEL	Power kW	MAX PRESSURE [bar]					STAR LINE		
		150 bar	200 bar	250 bar	400 bar	600 bar	1000 bar	1200 bar	1500 bar
HA/PA30	9,2	2.000	1.500	1.000	700	450	300	200	150
HA/PA31	15	2.500	2.000	1.500	800	600	400	300	200



## Raffaello SERIES | EVO-GREEN

### PLUS

- Hygienic design and manufacture according to MOCA requirement
- Patented self-alignment plunger system
- Poppet valves for viscous and abrasive products
- Friendly maintenance of liquid end
- Power end minimal maintenance
- Easy opening panels
- Low sound level
- Low water consumption
- Reduced complexity of power end

MAX POWER [kW] - MAX PRESSURE [bar] - MAX CAPACITY [l/h]

MODEL	Power kW	MAX PRESSURE [bar]					STAR LINE		
		150 bar	200 bar	250 bar	400 bar	600 bar	1000 bar	1200 bar	1500 bar
HA/PA32	30	6.500	4.800	3.800	2.500	1.500	800	600	400
HA/PA33	45	9.800	7.000	5.800	3.500	2.000	1.300	800	800
HA/PA34	90	18.000	14.000	10.000	7.000	4.500	1.800	1.400	1.000
HA/PA35	110	24.000	18.000	14.000	8.500	6.000	2.800	2.200	1.800
HA/PA36	200	37.000	32.500	26.000	16.000	10.500	5.000	4.000	3.000



### STAR LINE PLUS

- Low-high pressure packing design with integrated cooling system
- In-line suction/delivery valves ball type
- Validated for nano dispersion and emulsion
- Valve seat made of High nitrogen Alloyed steel



## Leonardo SERIES | EVO-GREEN

### PLUS

- Hygienic design and manufacture according to MOCA requirement
- Patented self-alignment plunger system
- Poppet valves for viscous and abrasive product
- Double product inlet
- Closed cabinet for sound proofing execution
- Easy opening panels

MAX POWER [kW] - MAX PRESSURE [bar] - MAX CAPACITY [l/h]

MODEL	Power kW	STAR LINE							
		150 bar	200 bar	250 bar	400 bar	600 bar	1000 bar	1200 bar	1500 bar
HA/PA52	250	38.500	34.700	27.500	16.000	11.500	6.000	5.200	4.200
HA/PA53	400	80.000	59.000	49.000	30.000	19.500	10.500	8.000	6.500



### STAR LINE PLUS

- Low-high pressure packing design with integrated cooling system
- In-line suction/delivery valves ball type
- Validated for nano dispersion and emulsion
- Valve seat made of High nitrogen Alloyed steel



## STERILE WATER UNIT

### PLUS

- Complete automatic solution thanks to PLC installation
- DFL Filter reduction up to 0,2 micron
- FDA approved

Solution able to produce up to 3.000 l/h of sterile water



# TABLE TOP AND PILOT PLANT HOMOGENIZERS



## Galileo SERIES | ATOMO 3.0

### PLUS

- 3 Integral carbide plungers
- Atex configuration available
- Skid version available
- Suitable for abrasive and viscous product
- Pneumatic pressure regulation available

MAX POWER [kW] - MAX PRESSURE [bar] - MAX CAPACITY [l/h]

MODEL	Power kW	250 bar	350 bar	600 bar	1000 bar	1500 bar
ATOMO 3.0	4	600	300	150	100	30



## Galileo SERIES | ATOMO 3.0 Skid Version

### PLUS

- Feeding hopper, feeding pump, tubular heat exchanger with temperature probes, stainless steel frame, 3 ways valve



## Galileo SERIES | QUARK

### PLUS

- Table top single plunger laboratory homo
- Suitable for abrasive and viscous product
- Atex configuration available
- Handwheel pressure regulation

MAX POWER [kW] - MAX PRESSURE [bar] - MAX CAPACITY [l/h]

MODEL	Power kW	2.000 bar
QUARK	0,75	3









# PUMPS FOR PRODUCT CONTAINING PIECES



## Giotto SERIES | PX

### PLUS

- Gentle handling of product containing pieces up to 30 mm
- Pumping Product Keeping Costant Solid-Liquid Ratios

MAX POWER [kW] - MAX PRESSURE [bar] - MAX CAPACITY [l/h]

MODEL	Power kW	25 bar	40 bar	80 bar
PX31	5,5	3.500	3.500	1.800
PX33	18,5	14.000	13.000	5.500
PX34	30	23.000	17.000	9.000



## Giotto SERIES | TP

### PLUS

- Gentle handling of product containing pieces up to 60 mm
- Suitable for upstream installation on a ohmic heat exchanger
- 2 Asynchronized main motor + VFD

MAX POWER [kW] - MAX PRESSURE [bar] - MAX CAPACITY [l/h]

MODEL	Power kW	16 bar
TP21	2,2 + 2,2	1.000
TP22	9,2 + 9,2	12.000



## Giotto SERIES | PS

### PLUS

- Feeding by gravity, no feeding pump necessary anymore
- CIP/SIP able
- Plungers made of integral ceramic, ECONOMOS S01P packing seal

MAX POWER [kW] - MAX PRESSURE [bar] - MAX CAPACITY [l/h]

MODEL	Power kW	70 bar
PS34	30	12.000



# GRINDING APPLICATIONS



## Caravaggio SERIES | BE

### PLUS

- Designed for pumping viscous product
- Front cover removable for inspection
- Sieve internal dispersion of particles
- Propeller shaft stainless steel heat-treated

MAX POWER [kW] - MAX PRESSURE [bar] - MAX CAPACITY [l/h]

MODEL	Power kW	2,3 bar
BE23	30	32.000
BE28	30	60.000
BE33	30	120.000



## Caravaggio SERIES | BT60L

### PLUS

- Tailor made chopper pump to mince tomato and fruits
- Used to obtain a fine and regular size of the product
- Ensures a complete and homogeneous heating till the heart of all pieces
- Removable inside blades

MAX POWER [kW] - MAX PRESSURE [bar] - MAX CAPACITY [l/h]

MODEL	Power kW	6 bar
BT60L	30	60.000







## Colloidal Mill BMC

### PLUS

- AISI 630, Stainless steel rotor and stator for improved wear resistance
- Hygienic dual cartridge tungsten carbide mechanical seal, EPDM
- Equipped with electromechanics actuator of stator position to adjust the grinding gap
- Water flow switch alarm

MAX POWER [kW] - MAX PRESSURE [bar] - MAX CAPACITY [l/h]

MODEL	Power kW	6 bar
BMC	5,5	3.000
BMC	37	12.000
BMC	55	25.000

## HIGH SHEAR MIXER

### PLUS

- AISI 316 wetted part
- Hygienic design roughness 0.8μ
- Single or double mechanical seal Si-Si, EPDM
- Max working pressure 10 bar, suitable for CIP and SIP
- ATEX Version available



MAX POWER [kW]

MODEL	Power kW
ILE 300/2	22
ILE 400/2	30
ILE 750/2	55













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