

INTERPUMP
PROCESS TECHNOLOGY

HIGH PRESSURE HOMOGENIZERS AND PLUNGER PUMPS

SINCE 1974

HOMOGENIZERS AND HIGH-PRESSURE PLUNGER PUMPS



PLUS

- Hygienic design and manufacture according to MOCA regulations
- Friendly maintenance of liquid end
- Power end minimal maintenance
- Easy opening panels
- Low sound level
- Low maintenance cost thanks to integral ceramic plungers

Evolution Green: Reduction of water consumption, oil consumption and carbon footprint in the manufacture and usage of the equipment

MAX POWER [kW] - MAX PRESSURE [bar] - MAX CAPACITY [l/h]	EVO LINE				
MODEL HA/PA30	100 bar	200 bar	250 bar	400 bar	600 bar
15 kW	5.000 l/h	2.500 l/h	1.800 l/h	1.100 l/h	800 l/h



PLUS

- Hygienic design and manufacture according to MOCA regulations
- Patented self-alignment plunger system to increase life time of plunger packing and plunger
- Poppet valves for viscous and abrasive products
- Reduced complexity of power end
- Friendly maintenance of liquid end
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- Easy opening panels
- Low sound level

Evolution Green: Reduction of water consumption, oil consumption and carbon footprint in the manufacture and usage of the equipment

MAX POWER [kW] - MAX PRESSURE [bar] - MAX CAPACITY [l/h]	EVO LINE				
MODEL HA/PA32	100 bar	200 bar	250 bar	400 bar	600 bar
30 kW	8.000 l/h	5.000 l/h	4.000 l/h	2.500 l/h	1.600 l/h
MODEL HA/PA33	100 bar	200 bar	250 bar	400 bar	600 bar
45 kW	15.000 l/h	7.500 l/h	6.000 l/h	3.500 l/h	2.500 l/h
MODEL HA/PA34	100 bar	200 bar	250 bar	400 bar	600 bar
90 kW	24.000 l/h	15.000 l/h	12.000 l/h	7.500 l/h	5.000 l/h
MODEL HA/PA35	100 bar	200 bar	250 bar	400 bar	600 bar
110 kW	35.000 l/h	18.000 l/h	15.000 l/h	9.000 l/h	5.500 l/h
MODEL HA/PA36	100 bar	200 bar	250 bar	400 bar	600 bar
250 kW	45.000 l/h	40.000 l/h	32.000 l/h	20.000 l/h	14.000 l/h



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MAX POWER [kW] - MAX PRESSURE [bar] - MAX CAPACITY [l/h]	EVO LINE				
MODEL HA/PA53	100 bar	200 bar	250 bar	400 bar	600 bar
400 kW	90.000 l/h	65.000 l/h	52.000 l/h	32.000 l/h	24.600 l/h



HOMOGENIZERS AND HIGH-PRESSURE PLUNGER PUMPS



PLUS

- High volumetrical efficiency
- Innovative design of the liquid end for minimized sterilization time and to make more effective the CIP
- High reliability at full pression
- Low sound level
- Friendly maintenance of liquid end

Evolution Green: Reduction of water consumption, oil consumption and carbon footprint in the manufacture and usage of the equipment

MAX POWER [kW] - MAX PRESSURE [bar] - MAX CAPACITY [l/h]	STAR LINE		
MODEL MOLECOLA	1000 bar	1200 bar	1500 bar
15 kW	300 l/h	200 l/h	200 l/h



PLUS

- High volumetrical efficiency
- Innovative design of the liquid end for minimized sterilization time and to make more effective the CIP
- High reliability at full pression
- Low sound level
- Friendly maintenance of liquid end
- Validated for nano dispersion and emulsion
- Proven for high viscous products

Evolution Green: Reduction of water consumption, oil consumption and carbon footprint in the manufacture and usage of the equipment

MAX POWER [kW] - MAX PRESSURE [bar] - MAX CAPACITY [l/h]	STAR LINE		
MODEL HA/PA32	1.000 bar	1.200 bar	1.500 bar
30 kW	700 l/h	600 l/h	450 l/h
MODEL HA/PA34	1.000 bar	1.200 bar	1.500 bar
90 kW	2.400 l/h	2.000 l/h	1.500 l/h
MODEL HA/PA35	1.000 bar	1.200 bar	1.500 bar
110 kW	3.000 l/h	2.500 l/h	1.800 l/h
MODEL HA/PA36	1.000 bar	1.200 bar	1.500 bar
250 kW	5.500 l/h	4.500 l/h	4.000 l/h



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MAX POWER [kW] - MAX PRESSURE [bar] - MAX CAPACITY [l/h]	STAR LINE		
MODEL HA/PA53	1.000 bar	1.200 bar	1.500 bar
400 kW	8.500 l/h	7.500 l/h	6.000 l/h



TABLE TOP AND PILOT PLANT HOMOGENIZERS



ATOMO 3.0

PLUS

- User friendly
- Triplex homogenizer
- Reliability scale up from pilot to production line
- Very low noise level
- Innovative design of the liquid end for minimized sterilization time and to make more effective the CIP

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

MODEL ATOMO 3.0	250 bar	300 bar	600 bar	1.000 bar	1.500 bar
4 kW	500 l/h	400 l/h	200 l/h	100 l/h	30 l/h



ATOMO 3.0 Skid Version

PLUS

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



QUARK

PLUS

- Minimum volume 10 ml
- Table top homogenizer
- Suitable for abrasive and viscous products
- Reliability scale up from pilot to production line
- Very low noise level

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

MODEL QUARK	2.000 bar
0,75 kW	3 l/h





PUMPS FOR PRODUCT CONTAINING PIECES



PX

PLUS

- Gentle handling of products containing pieces up to 30 mm
- Pumping product keeping constant solid-liquid ratios
- High volumetrical efficiency up to 80 bar

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

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

SELF-PRIMING PUMPS



PS34

PLUS

- Self-priming
- Washing Pump
- Working Pressure up to 70 bar
- Reduced maintenance costs
- Constant and high volumetrical efficiency
- Energy Save
- Minimum impact on the product

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

MODEL PS34	70 bar
30 kW	12.000 l/h

GRINDING APPLICATIONS



CENTRIFUGAL PUMP

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 BE	Power kW	2,3 bar
BE23	5,5	32.000 l/h
BE28	11	60.000 l/h
BE33	30	120.000 l/h



CHOPPER PUMP

PLUS

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

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

BT60L	6 bar
30 kW	60.000 l/h



GRINDING APPLICATIONS



COLLOIDAL MILL

PLUS

- High milling efficiency
- Reduction of maintenance costs
- Automatic regulation of grinding ratio
- Suitable for CIP & SIP
- Reduced complexity of the mechanical seal system

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

MODELS	Power kW	6 bar
BMC006	5,5	3.000 l/h
BMC037	37	12.000 l/h
BMC055	55	25.000 l/h



HIGH SHEAR MIXER

PLUS

- AISI 316L wetted parts
- AISI 304 other parts
- Single or double Mechanical seal C / SiC / EPDM Gaskets EPDM
- Std Surface finish Ra ≤ 0.8µm– optional Ra ≤ 0.5µm mirror polished for pharma application
- Different types of head available
- Optional electric board and control panel

MAX POWER [kW]

MODEL	Power kW	Max 6 bar
BHS006	0,55	3.000 l/h
BHS011	1,1	7.000 l/h
BHS040	4	15.000 l/h
BHS075	7,5	20.000 l/h
BHS185	18,5	25.000 l/h
BHS220	22	33.000 l/h



MANAGEMENT SYSTEM CERTIFICATION DNV ISO 9001 - ISO 14001 ISO 45001

ATEX

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FDA














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