



KINEMATICA

Homogenizing perfected.

PRO- MOTION

2021

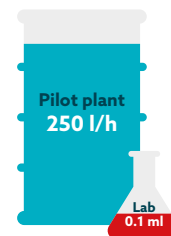
2021 PRO-motion

Kinematica's professional equipment for the highest quality in your laboratory or pilot plant - up to 10% off.



POLYTRON® PT 6100 D

Powerful stand-disperser.



This instrument meets the highest standards of reproducibility and scaling up and the reserve capacities of this motor enable the handling of larger quantities without any decline in quality.

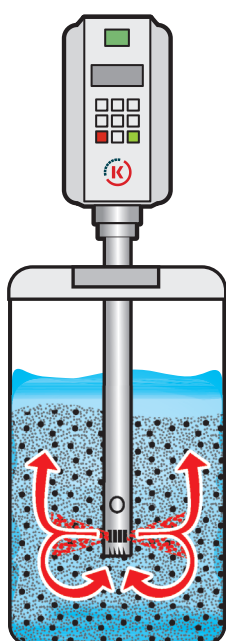


Benefits

- EU-plug
- PC and PT100 interface
- max. 30'000 rpm
- for working volume up to 30 L

Products:

Sales No.	Name	Description	EUR (new)
Drive unit			
11010110	PT 6100 D, 230 V (EU)	Digital Programmable Drive Unit	4'300.00
Aggregates			
11030305	PT-DA 30/2EC F-250	Dispersing aggregate for 10 - 4'000 ml	1'750.00
11030338	PT-DA 60/2EC F-250	Dispersing aggregate for 300 - 30'000 ml	2'550.00
	... more	Other aggregates are available on request	
Stands			
11040052	ST-P 21-700	Stainless steel plate stand with two support rods (h: 700 mm) height adjustable drive unit holder and safety positioning ring.	430.00
11040033	ST-P 14 /590+500	Electric plate stand with lifting telescopic bar	1'600.00

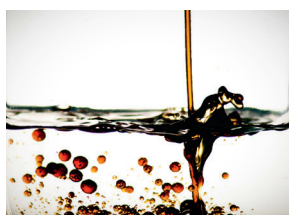


USERS / APPLICATION RANGES

- General homogenizer applications
- Dispersions, suspensions and emulsions
- Dispersing of resins and pigments
- Dispersion of plant, animal and human tissue samples in various liquids and volumes
- Dissolving solids even at higher viscosities
- Formulation of lotions, creams and foodstuffs
- Extraction of active pharmaceutical ingredients (API) in pills and tablets
- Preparation of samples for quality assurance / control

This list provides a small selection of possible applications.

MORE



POLYTRON® PT-DD 36-60

Dispersion unit for pilot plant.



This POLYTRON® is ideal for applications up to 50 liters and for users who need to scale up from research and development to pilot plant or small production scale processes.

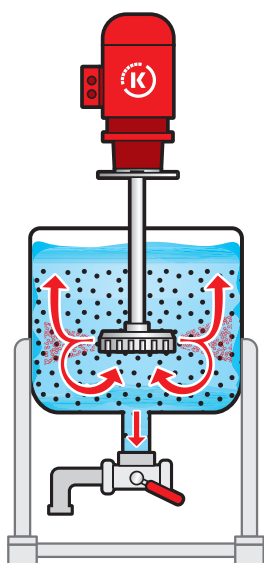


Benefits

- incl. high frequency three phase drive 3.0 kW
- 12'000 rpm and frequency inverter for speed control
- incl. display, main switch and potentiometer
- electrical stand (230 V) and H-foot base from anodized aluminium
- for working volume up to 50 L
- incl cGMP documentation

Products:

Sales No.	Name	Description	EUR (new)
Drive unit			
21020002	PT-DD 36-60, 400 V	incl. drive unit, electrical stand and H-Foot base	13'998.00
Aggregates			
11030829	PT-DA 60/2EC F-400	Standard dispersing aggregate for PT-DD 36-60	3'900.00
	... more	Other aggregates are available on request	
Documentation			
	cGMP	DQ, IQ, OQ, PQ, FAT	8'998.00



USERS / APPLICATION RANGES

- Dispersing, mixing and size reduction of coarse solids into liquid
- Extractions
- Mixing of fluids
- Crushing of lumps, intensive mixing
- Producing of emulsions and suspensions with medium droplet and particle sizes
- Wet milling of medium and fine sized solids
- Extractions, accelerating of reactions
- Gassing of fluids, desagglomerations
- High turbulent mixing with low shear forces
- Fast dissolving and suspending of solids also at higher viscosities

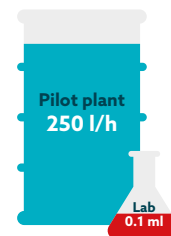
This list provides a small selection of possible applications.

MORE



REACTRON® RT 1

Reactor laboratory system.



REACTRON® laboratory systems consist of process vessels (single and multiple wall, standard and customer-specific designs), stirring systems for macro-mixing (e.g. with anchor stirrer), POLYTRON® / MEGATRON® homogenisers and mixing systems for crushing and micro-mixing, pipework, process controls and accessories, in alignment with the customer, product and process.

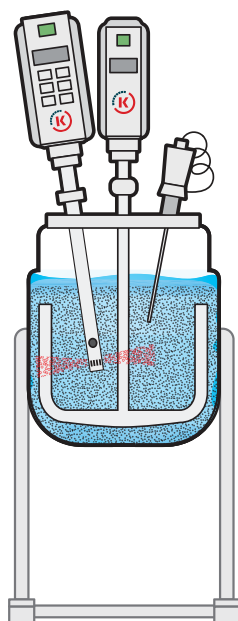


Benefits

- jacketed vessel made of borosilicate glass
- XT-M16 connections for heating/cooling jacket
- useable capacity 1000 mL
- cover made of 316 L electropolished
- equipped with 4 NS29/32 conical fittings
- gasspring-driven stand with linear bearings
- stirrer drive with anchor stirrer
- equipped with gearbox for high-viscosity applications

Products:

Sales No.	Name	Description	EUR (new)
Reactor system			
14090010	REACTRON® RT 1	Standard system incl. EU type E+F (CEE7/7) power cables	14'500.00
Drive unit			
14095024	POLYTRON® PT 2500 E	230 V drive unit with dispersing aggregate PT-DA 20/2G E-210 - powerful 500 W drive - up to 30'000 rpm - integrated speed control with LED display - aggregate with mechanical seal for operation under vacuum - easy mounting on the cover using a NS29/32 fitting	4'600.00
Aggregates			
	... more	Other aggregates are available on request	



MORE

USERS/ APPLICATION RANGES

- Manufacture of creams, lotions, emulsions, chemical raw materials and fine chemicals
- Pharmaceutical or cosmetic products
- Dispersions of fine solids in liquids or molten phases
- Suspensions of solids in liquids (e.g. liquid polymers)
- Production of dairy products and diet foodstuffs
- Suspension of additives and solid polymers in mineral oils
- Cell disruption of animal and plant cells/ polymerisation
- Wet grinding and dispersion of solids, fibres, sinewy materials, tissue, cells in liquids
- Extraction of enzymes from bio-mass

This list provides a small selection of possible applications.

REACTRON® RT 2

Reactor laboratory system.



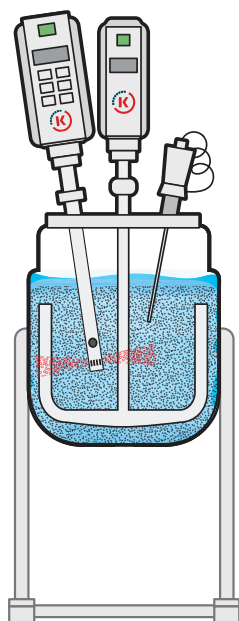
REACTRON® laboratory systems consist of process vessels (single and multiple wall, standard and customer-specific designs), stirring systems for macro-mixing (e.g. with anchor stirrer), POLYTRON® / MEGATRON® homogenisers and mixing systems for crushing and micro-mixing, pipework, process controls and accessories, in alignment with the customer, product and process.



Benefits

- jacketed vessel made of borosilicate glass
- XT-M16 connections for heating/cooling jacket
- equipped with outlet valve at the bottom
- useable capacity 2000 mL
- cover made of 316 L electropolished
- equipped with 4 1½-clamp fittings
- telescopic stand
- digital overhead stirrer drive with anchor stirrer
- equipped with maintenance free gearbox (1:5; high torque) for high-viscosity applications

Products:

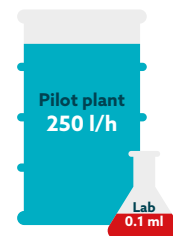


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Sales No.	Name	Description	EUR (new)
Reactor system			
14090020	REACTRON® RT 2	Standard system incl. EU type E+F (CEE7/7) power cables	18'350.00
Drive units			
14095030	POLYTRON® PT 10-35 GT	230 V drive unit with dispersing aggregate PT-DA 30/4G F-273 - powerful 1200 W drive - up to 30'000 rpm - integrated speed control with LED display - aggregate with mechanical seal for operation under vacuum* - easy mounting on the cover using a 1½"-clamp fitting <small>* only after analysis and approval of the customer application by Kinematica</small>	5'175.00
14095033	POLYTRON® PT 3100 D	230 V drive unit with dispersing aggregate PT-DA 30/4G F-273 - PC interface - powerful 1200 W drive - up to 30'000 rpm - integrated speed control with LED display - aggregate with mechanical seal for operation under vacuum* - easy mounting on the cover using a 1½"-clamp fitting <small>* only after analysis and approval of the customer application by Kinematica</small>	6'190.00
Aggregates			
	... more	Other aggregates are available on request	

MEGATRON® MT 3100 S²

Inline homogenizing unit.

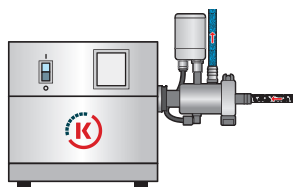


This system enables processing of complex material systems with absolutely minimal loss of mass and minimal energy. This miniature format production system delivers efficient, replicable results like those of our inline machines used in large volume production.



Benefits

- incl. MTO 3100 Q-V working chamber
- without double jacket
- hose fitting: NW8
- product wetted O-rings made of Viton



Products:

Sales No.	Name	Description	EUR (new)
Drive unit			
13010061	MT 3100 S ² , 230 V (EU)	Drive unit with USB / Ethernet / Bluetooth connection and App control incl. EU type E+F (CEE7/7) power cable	5'600.00
Working chamber			
13032051	MTO 3100 Q-V	Standard working chamber	6'800.00
	... more	Other working chambers are available on request	
Generator			
13031530	MTG 30/2 M	30 mm diameter dispersing generator	1'480.00
	... more	Other generators are available on request	

MORE

USERS / APPLICATION RANGES

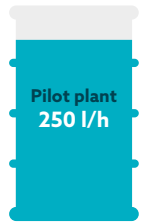
- Preparing emulsions
- Pharmaceutical or cosmetics products
- Suspending solids in liquids
- Dispersing fine solids in liquids or molten phases
- Suspending additives and solid polymers in mineral oils
- Extracting enzymes from biomass
- Wett milling of solids (e.g. API) in liquids
- Extracting active ingredients and substances from plants, for example (when used with REACTRON®)
- Grinding and shredding of solids and fibers in liquids or polymers

This list provides a small selection of possible applications.



MEGATRON® MT 5100 S²

Inline homogenizing unit.



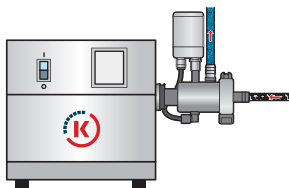
This system enables processing of complex material systems with absolutely minimal loss of mass and minimal energy. This pilot plant format production system delivers efficient, replicable results like those of our Inline machines used in large volume production.

Benefits



- incl. MTO 5100 Q-V working chamber
- without double jacket
- product in- / outlet connection: G1/2"
- product wetted O-rings made of Viton

Products:



MORE

Sales No.	Name	Description	EUR (new)
Drive unit			
23005061	MT 5100 S ² , 230 V (EU)	Drive unit with USB / Ethernet / Bluetooth connection and App control incl. EU type E+F (CEE7/7) power cable	7'998.00
Working chamber			
23005017	MTO 5100 Q-V	Standard working chamber	8'960.00
	... more	Other working chambers are available on request	
Generator			
23005014	MTG 40/4 M	40 mm diameter dispersing generator	3'240.00
	... more	Other generators are available on request	

USERS / APPLICATION RANGES

- Preparing emulsions
- Pharmaceutical or cosmetics products
- Suspending solids in liquids (such as liquid polymers)
- Dispersing fine solids in liquids or molten phases
- Suspending additives and solid polymers in mineral oils
- Extracting enzymes from biomass
- Extracting active ingredients and substances from plants, for example (when used with REACTRON®)
- Grinding and shredding of solids and fibers in liquids or polymers
- Cell disruption

This list provides a small selection of possible applications.



PRO-motion 2021

Highest quality for your laboratory or pilot plant.

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Promotional prices are valid if order confirmation is received between 01.06.2021 and 31.12.2021. All offers and deliveries are subject to the general Kinematica terms and conditions.

All orders have to be placed to one of your dealers or to one of Kinematica's sales representatives listed below with the note "Promotion 2021". Promotional prices will only be taken into account with the "Promotion 2021" note.

For questions, our application experts are happy to support you in any way possible. Just contact:

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