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Partners in Progress

BEGO is an official co-partner of the German Olympic teams for
Torino 2006 and Beijing 2008

Blasting units

Protempomatic plus – Fully automatic blasting unit with integrated high-performance filter module



The new BEGO blasting units – solid technology, new design

- New, ergonomically oriented design
- Relaxed working position, great hand freedom thanks to slanting design of the housing sides and large openings
- Extremely rugged metal housing for continuous operation, small floor space required
- Good view of the objects to be blasted
- Good illumination of the blasting chamber through dust-protected tubular lamps with long service life
- Can be supplied with integrated filter module or for connection to central suction extraction system



Duostar plus – Combined blasting unit with two fine-jet pencils and integrated high-performance filter module



Korostar plus – Manual blasting unit with integrated high-performance filter module

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Protempomatic plus



Protempomatic plus – Fully automatic blasting unit for continuous operation in the laboratory

- New, ergonomically oriented design
- Relaxed working position, great hand freedom thanks to slanting design of the housing sides and large openings
- Extremely rugged metal housing for continuous operation, small floor space required
- Unobstructed view of object to be blasted through air separation of the blasting material, always optimal proportion of blasting material in the air flow
- Up to 6 partial dentures can be automatically blasted at the same time in 15 – 20 min.
- Freely selectable blasting time from 1 – 60 min.
- Charging flap with electrical protection through magnetic switch: when opened, the blasting operation is interrupted
- Integrated high-performance filter module with quadruple filter system

The high-performance blasting unit for investment materials

Protempomatic plus is a rugged blasting unit especially suited for hard everyday working conditions. It makes it possible to blast investment material of castings quickly and efficiently. 6 partial dentures can be blasted automatically in 15 – 20 minutes or also individual castings by means of manual control. The time switch, which has a selection range from 1 – 60 minutes, switches off the unit after the selected time has elapsed. The charging flap offers additional security through a magnetic switch that immediately interrupts the blasting operation when the flap is opened.

With high-performance filter module for optimal dust protection

The filter module, equipped with a quadruple filter system, is a high-performance unit for suction extraction of the dust generated during blasting work. To additionally retain the hazardous fine dust that can penetrate into the lungs, filter material is used for which a test certificate has been issued by the Institute for Occupational Safety (BIA) of the German employers' liability insurance association.

Changing the filter is very easy. The economical paper prefilter bag is removed and replaced with a new one. Depending on the type of dust, the capacity is 1.5 – 5 kg. The filter module begins operating as soon as the blaster is switched on. The high extraction capacity is achieved at a low noise level. The acoustic signal that sounds when the filter is nearly full is also very helpful. If one does not react to it and continues to work until it is full, the module switches off. Then the blasting unit cannot be put into operation again until the filter has been replaced.

Protempomatic Z

Blasting unit like Protempomatic plus, but without integrated suction extraction, designed for connection to a central suction extraction system.

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Technical data:	
Protempomatic plus and Protempomatic Z	
Height	540 mm
Width	365 mm
Depth	425 mm
	with filter module (plus) 550 mm
Rated voltage	230 V, 50/60 Hz
Special voltage	only Z: 100 + 120 V, 50/60 Hz
Power at rated voltage 230 V	810 W (plus), 60 W (Z)
Lighting	230 V/9 W
Compressed air supply	4 – 6 bar (0.4 – 0.6 [MPa]), 1/4"
Air consumption	approx.120 l/min
Capacity	8 kg
Weight (excl. blasting material)	30 kg (plus), 20 kg (Z)

Availability and accessories:	Unit	Pieces	Order No.
Scope of delivery:			
Protempomatic plus incl. filter module, additionally with 1 window, 1 window gasket, 1 rubber plug, 1 glove, 5 paper filters and 4 fuses			**26113**
Protempomatic Z for connection to external suction extraction system, additionally with 1 window, 1 window gasket, 1 rubber plug, 1 glove and 2 fuses			**26110**
Accessories:			
Paper filter (plus)	1 pack	10	**11275**
Fine dust filter (plus) (3 fine dust filters, 1 motor protection filter, 1 exhaust air filter)	1 pack		**11276**
Spare gloves	1 pack	2 pairs	**14554**
Hansa nozzle		1	**12189**
Turntable, compl.		1	**12276**
Spare windows	1 pack	6	**15094**
Korox® 250 special corundum blasting material		8 kg/20 kg	46014/54300
Korox® 110 special corundum blasting material		8 kg/20 kg	46044/54299

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Duostar plus

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Duostar plus – Two blasters in one

- New, ergonomically oriented design
- Relaxed working position, great hand freedom thanks to slanting design of the housing sides and large openings
- Optimal utilisation through application as recirculation and fine blasting unit
- Low space requirements for a unit with two integrated blasting techniques, very rugged metal housing, easy foot switch operation
- Two fine-jet pencils for precise blasting work, blasting material is only used once
- Can be switched over from recirculation to single use of the blasting material
- Fine-jet pencils can be used for different blasting material grain sizes thanks to replaceable nozzles
- Optimal dust protection through integrated filter module with quadruple filter system
- Ideal as blasting station for small and medium-sized laboratories

One unit that does two jobs

Duostar plus is economical and particularly well suited for small and medium-sized laboratories. It enables you to carry out practically all major blasting work: firstly, it can be used to blast the investment material manually with Korox® 250 or Korox® 110, as with a normal recirculation blasting unit. Secondly, with the two fine-jet pencils it is possible to perform blasting work for the crown and bridge technique just as precisely as with a special fine blasting unit. In this case the blasting material is, of course, used only once whereas it is used several times in the economical recirculation process for blasting the investment material.

Easy and ergonomic operation

The high-performance filter module ensures a clear view of the object to be blasted. Blasting material and dust are reliably separated here. An economical recirculation process and the optimal metering system keep blasting material consumption to a minimum. The foot switch for controlled blasting enables optimal control of the object and the fine-jet pencil.

The integrated filter module

The filter module is a high-performance unit for suction extraction of the dust generated during blasting. To additionally retain the hazardous fine dust that can penetrate into the lungs, filter material is used for which a test certificate has been issued by the Institute for Occupational Safety (BIA) of the German employers' liability insurance association.
Easy changing of the economical paper prefilter bag. Depending on the type of dust, the capacity is around 1 – 5 kg. The filter module begins operating as soon as the blaster is switched on. The acoustic signal sounds when the filter is nearly full. If one does not react to it and continues to work until it is full, the module switches off. Then the blasting unit cannot be put into operation again until the filter has been replaced.

Duostar Z

Blasting unit like Duostar plus, but without integrated suction extraction, designed for connection to a central suction extraction system.

Availability and accessories:	Unit	Pieces	Order No.
Scope of delivery:			
Duostar plus incl. initial filling of fine blasting material container Korox® 110/ Perlablast® micro, 2 fine-jet pencil nozzles ∅ 1.2 mm / 0.8 mm, additionally with 1 window, 1 window gasket, 1 rubber plug, 5 paper filters, 1 plastic funnel, 1m hose and 4 fuses			**26118**
Duostar Z must be connected to external suction extraction system, additionally with 1 window, 1 window gasket, 1 rubber plug, 2 fuses, 1 plastic funnel and 1m hose			**26115**
Accessories:			
Paper filters (plus)	1 pack	10	**11275**
Fine dust filter (plus) (3 fine dust filters, 1 motor protection filter, 1 exhaust air filter)	1 pack		**11276**
Spare nozzle for recirculation		1	**12136**
Spare gloves	1 pack	2 pairs	**14554**
Spare windows	1 pack	6	**15094**
Pencil jet ∅ 1.2 mm for Korox® 250, Korox® 110 and Perlablast® (125 µm)	1 pack	2	**14550**
Pencil jet ∅ 0.8 mm for Korox® 50 and Perlablast® micro (50 µm)	1 pack	2	**14549**
Pencil jet ∅ 0.6 mm for Korox® 50 and Perlablast® micro (50 µm)	1 pack	2	**14548**
Pencil jet ∅ 0.4 mm for Korox® 25	1 pack	2	**14547**
Korox® 250 special corundum blasting material	8 kg/20 kg		**46014/54300**
Korox® 110 special corundum blasting material	8 kg/20 kg		**46044/54299**
Korox® 50 special corundum blasting material	8 kg/20 kg		**46062/54298**
Korox® 25 special corundum blasting material	8 kg		**46036**
Perlablast® blast-polishing material	8 kg/20 kg		**46043/54301**
Perlablast® micro blast-polishing material	8 kg/20 kg		**46092/54302**

Technical data:		
Duostar plus and Duostar Z		
Height		590 mm
Width		365 mm
Depth / with filter module (plus)		425 mm / 550 mm
Rated voltage		230 V, 50/60 Hz
Special voltage		only Z: 100 + 120 V, 50/60 Hz
Power at rated voltage 230 V		810 W (plus), 60 W (Z)
Lighting		230 V/9 W
Compressed air supply		4 – 6 bar (0.4 – 0.6 [MPa]), 1/4"
Air consumption		approx. 120 l/min
Capacity	recirculation system	8 kg
	pencil blaster	700 g per container
Weight (excl. blasting material)		33 kg (plus), 23 kg (Z)

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Korostar plus



Korostar plus – The manual blasting unit for crowns, bridges and partial denture work

- New, ergonomically oriented design
- Relaxed working position, great hand freedom thanks to slanting design of the housing sides and large openings
- Extremely rugged metal housing for continuous operation, small floor space required
- Reliable even under maximum load
- The injection nozzle integrated into the blasting material conveying system maintains an optimal proportion of blasting material in the compressed air flow of the recirculation system
- Large charging flap and well illuminated blasting chamber
- High extraction rate through integrated filter module with quadruple filter system
- High collection capacity of the prefilter: 1.5 – 5 kg depending on type of dust

Convincing technology

Its shape, technology and high performance make Korostar plus a first-class blaster. The rugged, tried and tested unit for manual blasting of investment material is equally well suited for crowns and bridges as well as for partial denture work. Korox® 250 or Korox® 110 is used as blasting material. The blasting chamber is fully illuminated and the large window provides a clear view of the work area.

Trouble-free and fatigue-free operation

The integrated filter module ensures a clear view of the work area: the blasting material and dust are reliably separated here. An extremely effective recirculation process keeps blasting material consumption to a minimum.

The operating apertures are sealed with sleeves made of resistant rubber. Every technician who operates this unit can therefore work with his/her own gloves. Korostar plus is exactly the right unit for extremely hard laboratory applications. It can be used for many fields of work and is convincing on the basis of its quality and long service life.

The integrated filter module

The filter module, equipped with a quadruple filter system, is a high-performance unit for suction extraction of the dust generated during blasting work. To additionally retain the hazardous fine dust that can penetrate into the lungs, filter material is used for which a test certificate has been issued by the Institute for Occupational Safety (BIA) of the German employers' liability insurance association.

Changing the filter is very easy. The economical paper prefilter bag is removed and replaced with a new one. Depending on the type of dust, the capacity is 1.5 – 5 kg. The filter module begins operating as soon as the blaster is switched on. The high extraction capacity is achieved at a low noise level. The acoustic signal that sounds when the filter is nearly full is also very helpful. If one does not react to it and continues to work until it is full, the module switches off. Then the blasting unit cannot be put into operation again until the filter has been replaced.

Korostar Z

Blasting unit like Korostar plus, but without integrated suction extraction, designed for connection to a central suction extraction system.

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Subject to modifications in design, scope of delivery and composition. Whether given verbally, in writing or through practical instructions, our process-related data and recommendations are based upon our own experience and trials and can only be regarded as standard values. Status as at: 02.07.03.

Technical data:	
Korostar plus and Korostar Z	
Height	540 mm
Width	365 mm
Depth	425 mm
	with filter module (plus) 550 mm
Rated voltage	230 V, 50/60 Hz
Special voltage	only Z: 100 + 120 V, 50/60 Hz
Power at rated voltage 230 V	810 W (plus), 60 W (Z)
Lighting	230 V/9 W
Compressed air supply	4 – 6 bar (0.4 – 0.6 [MPa]), 1/4"
Air consumption	approx. 120 l/min
Capacity	8 kg
Weight (excl. blasting material)	28 kg (plus), 18 kg (Z)

Availability and accessories:	**Unit**	**Pieces**	**Order No.**
Scope of delivery:			
Korostar plus incl. filter module, additionally with 1 window, 1 window gasket, 1 rubber plug, 5 paper filters and 4 fuses			**26123**
Korostar Z must be connected to external suction extraction system, additionally with 1 window, 1 window gasket, 1 rubber plug and 2 fuses			**26120**
Accessories:			
Paper filters (plus)	1 pack	10	**11275**
Fine dust filter (plus) (3 fine dust filters, 1 motor protection filter, 1 exhaust air filter)	1 pack		**11276**
Spare nozzle		1	**12136**
Spare windows	1 pack	6	**15094**
Korox® 250 special corundum blasting material		8 kg/20 kg	**46014/54300**
Korox® 110 special corundum blasting material		8 kg/20 kg	**46044/54299**

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