

HORIZONTAL AXIS PEELER CENTRIFUGES TYPE EHBL



EHBL 1663

PROPERTIES OF THE RANGE



PERFORMANCE

- Significant centrifugal effects.
- High productivity.
- Optimal operational stability.
- Possibility of full automation.



ACCESSIBILITY

- Maximum compactness.
- Ground-level installation.
- Option for installation in a cleanroom (separation of process and technical zones - "through the wall").
- Hinged casing with one or two rotations, providing full access to internal parts.



NETTOYABILITÉ

- Instant visual inspection with the casing open.
- Option for "soaking" in addition to CIP (Cleaning In Place).
- Easy disassembly/reassembly of the filter media.

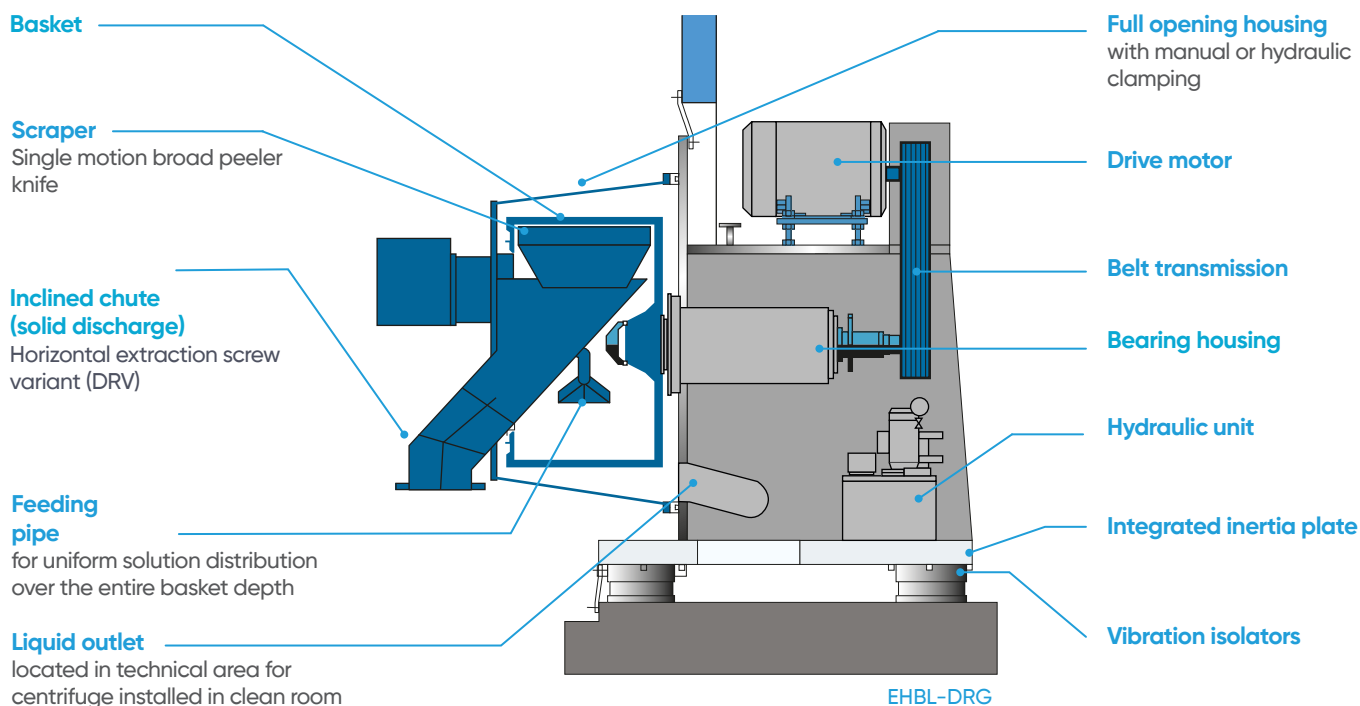
MAIN FEATURES

Horizontal axis centrifuge with scraper discharge into an inclined chute or screw conveyor. Rotation driven by an electric motor connected to a frequency converter. Weighted frame on viscoelastic supports. Centrifuge with fully opening casing.

KEY ADVANTAGES

- **Ground-level installation of the centrifuge** with reduced height requirements.
- **Fully retractable tank** allowing complete access to baskets and product retention areas, facilitating visual inspection and cleaning.
- **Option for cleanroom installation** with airtight separation between process and technical zones.
- **Suspension feed** across the full depth of the basket, forming a cake of uniform thickness.
- **"Soaking" option: basket rotation at low speed** with partial filling of the casing with cleaning liquid.
- **Inclined discharge chute with marked slope and electrolytic polishing** for easy cake flow, accessible and cleanable.
- **Low residual moisture** due to high centrifugal forces: the horizontal axis design enables higher speeds and increased centrifugal forces.

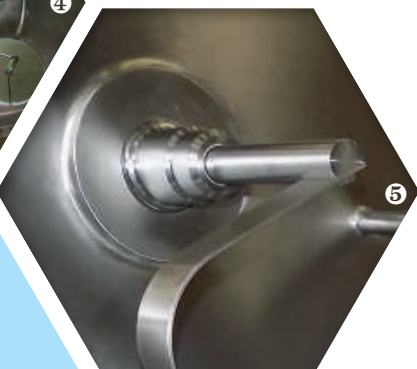
TECHNICAL SCHEMATIC OF THE EHBL RANGE



TECHNICAL ALTERNATIVES AND OPTIONAL ACCESSORIES

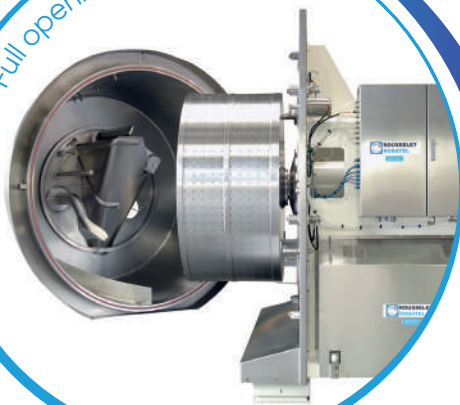
- Rinsing/clarifying tubing for the cake (with fixed nozzles).
- Residual layer cleaning (blowback).
- Various filter cloth and drainage grid attachment methods.
- CIP (Cleaning In Place).
- Sensors for optimizing basket filling (various principles with or without contact).
- Different construction materials (stainless steels, alloys), coatings (ECTFE, ebonite), and seal materials.
- Vibration controller with one or multiple thresholds.
- Sealed or explosion-proof electrical equipment (ATEX-compliant for EU).

- Gas-tight sealing with or without pressure, allowing machine inerting.
- ATEX compliance, cGMP construction.
- Inerting devices (various principles: pressure control, oxygen analysis).
- Hydraulic guard or liquid receiver for flow sealing.
- Control options: ranging from manual operation to full automation (operator terminal and supervisor communication).



- 1 Rinsing/clarifying pipe
- 2 Heel removal
- 3 Fixation mode
- 4 CIP
- 5 Mechanical or radar sensor

Full opening casing



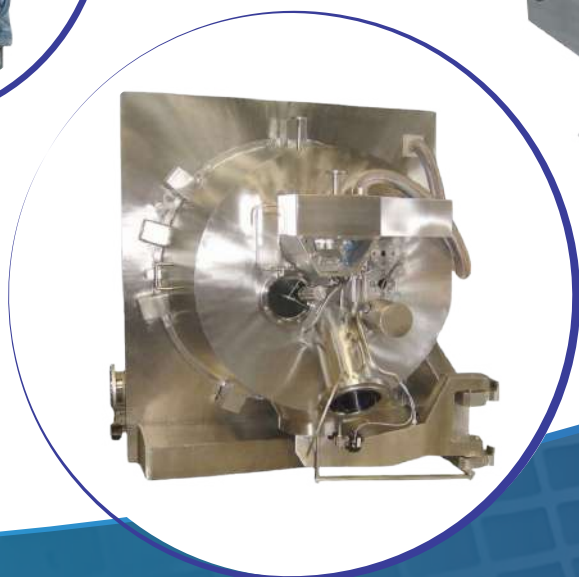
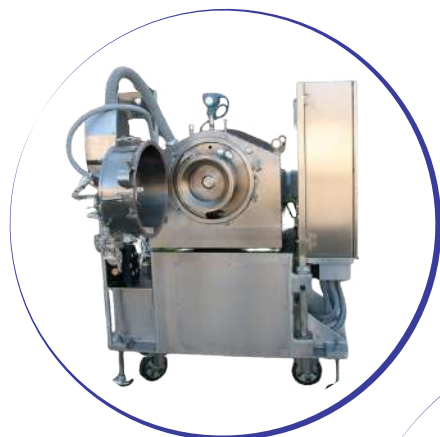
"Through the wall" installation



Inclined discharging chute

TECHNICAL CHARACTERISTICS OF EHBL CENTRIFUGES

MACHINE	Variant	ø (mm)	Height/ Depth (mm)	Max. rotation speed (rpm)	Useful volume (l)	Useful load (kg)	Max. G-Force (G)	Filtration Surface (m²)
EHBL503	DRG	500	250	2 600	24	30	1 889	0,39
EHBL603	S DRG	600	240	2 370	32	40	1 884	0,45
EHBL603	DRG	600	300	2 370	40	50	1 884	0,57
EHBL603	DRV	600	300	2 370	40	50	1 884	0,57
EHBL633	DRG	630	315	2 370	44	55	1 978	0,62
EHBL813	DRG	810	350	2 000	94	120	1 811	0,89
EHBL813	S DRG	810	220	2 000	60	75	1 811	0,56
EHBL813	DRV	810	350	2 000	94	120	1 811	0,89
EHBL1053	DRG	1 050	610	1 550	220	275	1 410	2,01
EHBL1053	S DRG	1 050	490	1 550	175	218	1 410	1,62
EHBL1153	DRG	1 150	610	1 400	330	410	1 260	2,20
EHBL1323	DRG	1 320	720	1 235	440	550	1 125	2,99
EHBL1323	DRV	1 320	720	1 235	440	550	1 125	2,99
EHBL1663	DRV	1 660	950	1 000	890	1 110	928	4,95
EHBL1663	S DRG	1 660	760	1 000	710	890	928	3,96



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