

Horizontal Agitated Media Mill  
**LME 1000 K**  
tag. number CC813



Fig 1. Horizontal Agitated Media Mill, LME 1000 K

## 1. System description

Highly efficient horizontal agitated media mills for the economic dispersing and micro wet milling.

## 2. Technical Specifications

### 2.1. Manufactured

Manufactured: NETZSCH  
Model: LME 1000 K  
Serial number: 2400417  
Year: 2001

#### Kemira Oyj

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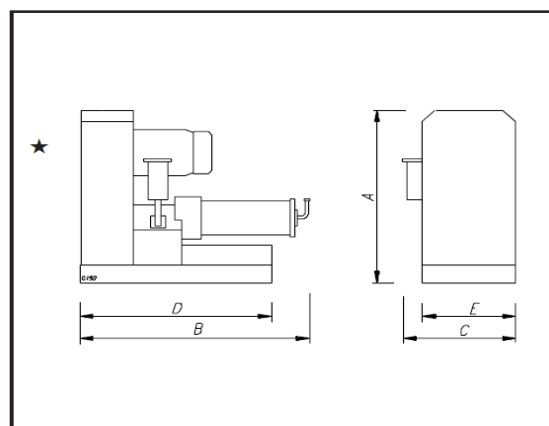
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2.2. Horizontal Agitated Media Mill

**Technical Data**

<b>Weight:</b> Dynamic load of the floor:	12 000 kg (without product and bead charge) approx. 180 kN
<b>Cooling water</b> Requirement: Pressure:	max. 400 l/min max. 300 kPa (3 bar)
<b>Sealing liquid</b> Requirement:  Pressure:	min. 4 l/min  min. 400 kPa (4 bar) max. 900 kPa (9 bar)
<b>Sound pressure level:</b>	85 dB(A) (★ measured under operating conditions, in a distance of 1 m to the machine, 1.6 m from the floor)
<b>Sealing liquid leakage:</b>	max. 100 ml/h (on each sealing side)
<b>Main dimensions:</b>	A = 2 850 mm B = 3 900 mm C = 1 560 mm D = 3 000 mm E = 1 360 mm



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<b>Volume of grinding chamber</b> Volume of product to be ground	<b>approx. 1060 litre</b> approx. 530 litre
<b>Volume of grinding media 100%</b>	<b>1060 litre</b>
<b>Grinding chamber</b>	fixed to the machine stand (not mobile)
<b>Grinding chamber design</b> Outer shell Inner jacket Agitator shaft Chamber floor	Cr-Ni-steel steel with finish Cr-Ni-steel with TriNEx grinding disks of chilled casting Cr-Ni-steel 1.4301
<b>Separating system</b>	radial twin screen cartridge slot width 0.5 mm <b>- to be supplied by the customer -</b>
<b>Chamber sealing</b>	by dual-acting mechanical seal with continuous flow of flushing water (water pressure min. 4 bar) Cassette-type mechanical seal with monitoring pressure and continuous flow mounted on the machine stand.
<b>Other seals</b>	NBR / EPDM
<b>Monitoring</b>	Standard Equipment for Monitoring and Control of the Process Cycle
<b>Drive</b>  Agitator shaft speed Main drive motor	Agitator shaft speed constant with soft start (for motor IP) <b>- to be supplied by the customer -</b> constant designed for about 13 m/s 355.0 kW protection class IP 55 / non explosion-proof <b>- to be supplied by the customer -</b>
Starter type	direct
<b>Protection class of the machine according to guideline 94/9/EC</b>	not explosion-proof
<b>Electric equipment</b>	contactor box for separate assembly <b>- to be supplied by the customer -</b>
<b>Operating voltage</b>	690 V / 50 Hz / 3 phases
<b>Control voltage</b>	230 V AC / 24 V DC
<b>Feeding pump</b>	<b>to be supplied by the customer</b>
<b>Machine wiring diagram</b>	2401197

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**3. Equipment for sale**

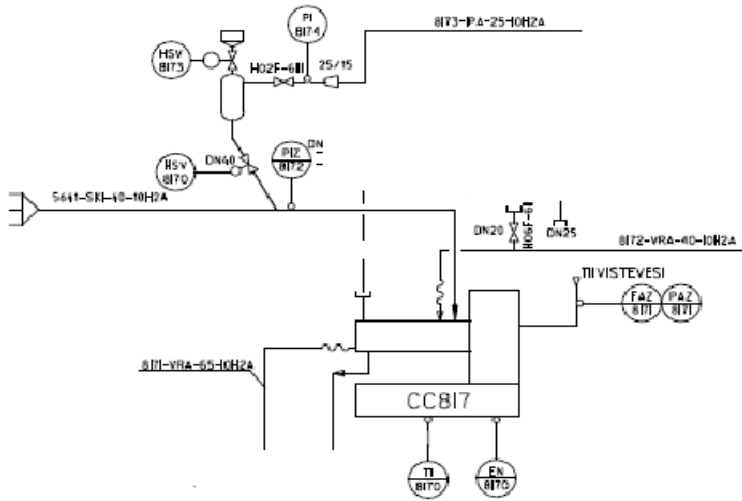


Fig 2. P&I diagram parts of equipment

Pos	Name	Model	Serial
CC5308-HV	CC813 KIERRON PESUVENTTIILI	REMOTE CONTROL RC210	
CC5391-HV	CC813 HYLKYLINJAN PESUVENTTIILI	REMOTE CONTROL RC210	
CC8130-FE	CC813 MYLLYN SYÖTE VIRTAAUSANTU	ABB DE41F	000403767/X012
CC8130-FT	CC813 MYLLYN SYÖTE VIRTAAUSLÄHE	ABB XE model E4	000403767/Y012
CC8130-PT	CC813 SYÖTÖN PAINE	SATRON VG6S48SH0N	M 53762903
CC8131-FS	CC813 POKSIVEDEN VIRTAAUS	SAFEMATIC SFD-C-03-	
CC8131-HV	CC813 KIERTO VENTTIILI	TUFLIN 3-TIE 177/C B	
CC8131-TV	CC813 MYLLYN JÄÄHDYTYSVENTTIILI	Omäl SR30 F03-F05	
CC8132-HV	CC813 VESITYS VENTTIILI	REMOTE CONTROL RC210	
CC8133	CC813 PATIN HUUHTELUVENTTIILI	Remote Control RC220	301887
CC8133-PT	CC539 IMUPAINE	SATRON HG6S42GH0	47254
CC8137-HV	CC813 KIERRON TYHJENNYS VENTTIILI	REMOTE CONTROL RC220	
LCC813	HELMIMYLLY 1/43	NETZSCH LME 1000 K	
	POWER CABLES		
	CONTROL CABLES		
	INSTRUMENT CABLES		

List 1. Equipments for sale.

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