



ALPINE AIR JET SIEVE e200 LS

Particle analysis – simple and flexible

Product catalogue 2020/21



HOSOKAWA ALPINE

Process technologies for tomorrow.



AIR JET SIEVE

e200 LS

As the inventor and world market leader of air jet sieving, Hosokawa Alpine has been setting new standards for more than 60 years. ALPINE air jet sieves have always been characterised by simple operation and reliable results. And there's no end in sight to this success story: we have not only increased the comfort but also at the same time the efficiency and speed. The latest features allow you to always remain in full control.

**»» HIGH REPRODUCIBILITY
AND COMPARABILITY**

**»» FUNCTIONAL AMPLIFICATION
THROUGH SOFTWAREUPGRADES**

**»» AUTOMATED AND INNOVATIVE
USER GUIDANCE**

»» 100% MADE IN GERMANY

A MAJOR FACELIFT – INNOVATIVE HARDWARE AND SMART SOFTWARE

There are good reasons why our air jet sieve is the market leader in terms of technology. The latest features are the best proof: the modular operating principle, the innovative diagnostic tool and the very minor operation noise.

> NEW DIAGNOSTIC TOOL

All electronic components are now monitored automatically by status LEDs – throughout the entire service life.

> NEW CONNECTION CONCEPT

A neat connection concept on the rear of the device – cables and connections are now integrated into the device and are therefore less susceptible to electronic interference.

> NEW MODULAR FUNCTIONALITY

The new suction opening enables a wide range of different possibilities – dehumidification/cooling as well as the remote intake and feeding of additives is now no trouble at all.

> NEW VACUUM CLEANER

The new and powerful vacuum cleaner from Kärcher® with filter cleaning is the professional solution for the production line and laboratory.

> NEW QUIETER OPERATION

50 % quieter than its predecessor!
The new intake duct with optimised air flow geometry and the new suction silencer make it possible!

**NEW
FEATURES!**





› **GLARE-FREE 7-INCH PANEL**

Readable even under demanding lighting conditions and from just about any angle.



› **SMART TOUCH SCREEN**

Touch screen with robust 3-mm-thick safety glass.



› **INTUITIVE USER GUIDANCE**

Modern visualisation for fast, easy and precise operation.



› **SECURE RESULTS MANAGEMENT**

Analysis and data reports with archiving and search functions as well as automatic backup.



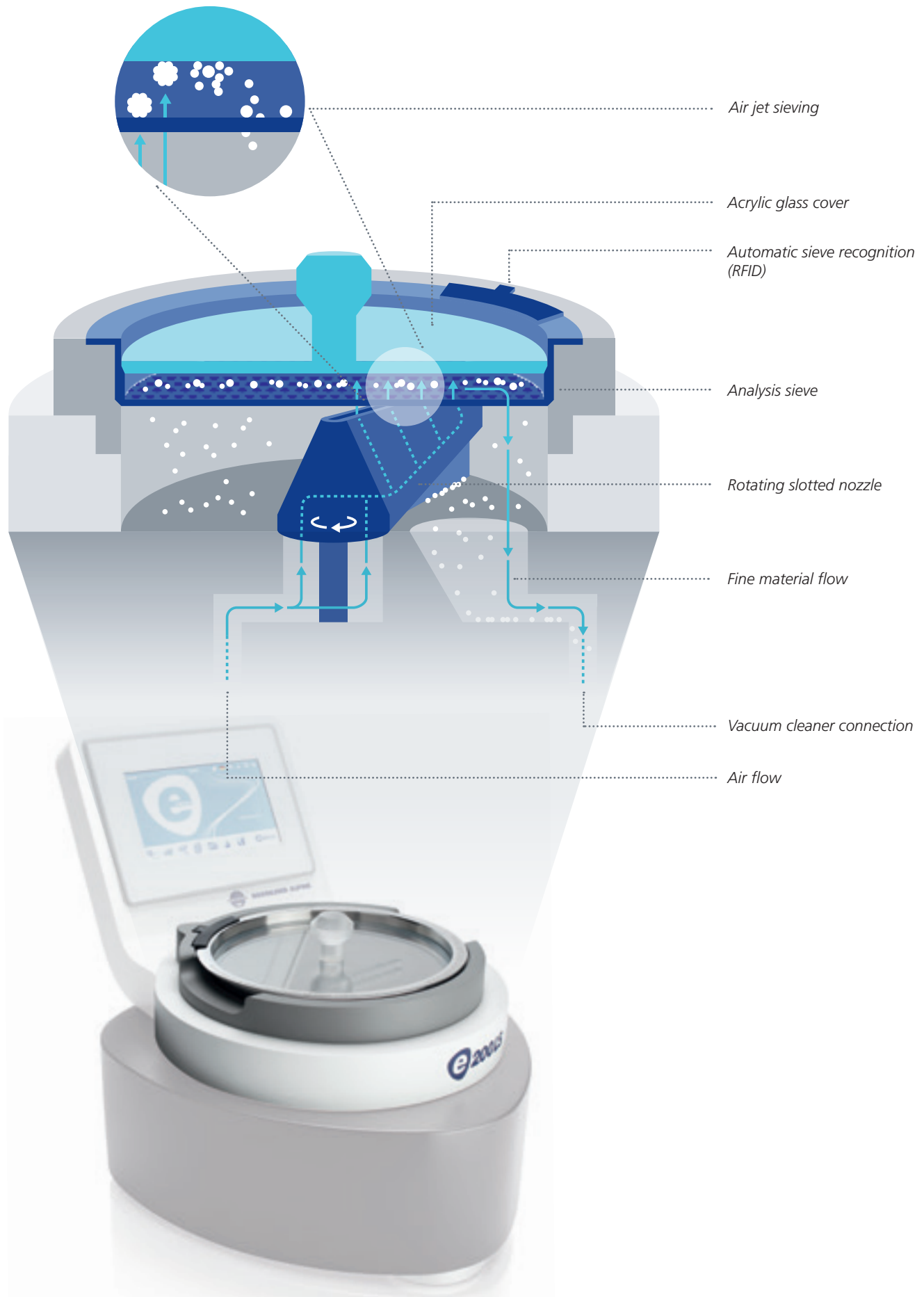
› **INDIVIDUAL APPLICATIONS**

Password-protected settings, customisable display accuracy, migration of legacy data in XML format.



› **IDEAL CONNECTIONS**

Ethernet, RS-232 and 3 × USB, e. g. for a barcode scanner, keyboard and mouse.



OPTIMAL RESULTS THROUGH MAXIMUM EFFECTIVENESS

Controlled forces take effect within the shortest space of time

Because extremely fine powders tend to agglomerate and therefore clog up the sieve, the air jet sieve is the device of choice for sieving fine powders. This is where the air jet sieve e200 LS develops maximum effectiveness. Not just one, but two components work together here: a slotted nozzle which rotates inside the sieving chamber and an industrial vacuum cleaner connected up to the sieving chamber.

Once the vacuum cleaner is switched on, it creates a vacuum inside the sieving chamber. The extremely narrow slot of the slotted nozzle ensures that the incoming

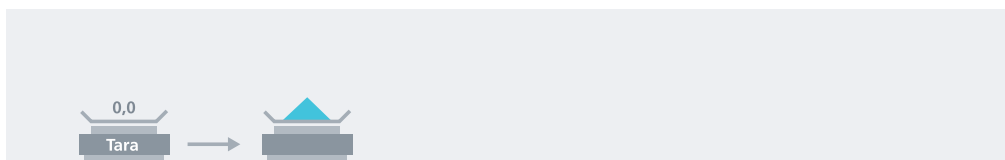
air is accelerated and flows through the sieve cloth at high speed from below. The particles on the sieve cloth are dispersed briefly by the air jet at the cover – even before they are pulled downwards through the sieve cloth by the suction of the vacuum cleaner. The effect: the fine material is separated quickly and effectively. The coarse material remains on the sieve and is reweighed at the end of the sieving process.

Further advantages: the automatic under-pressure regulation as well as specification of the sieving-relevant parameters guarantee reproducible results.

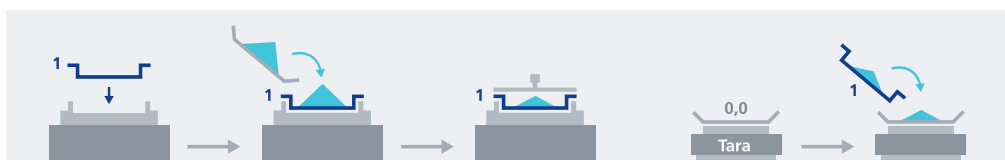
Separation, fractionation and particle size analysis of powders in various industries:

- > Minerals
- > Chemicals production
- > Pharmaceuticals – through compliance with 21 CFR Part 11
- > Toner production
- > Food and nutrition industry
- > Cement and construction material applications

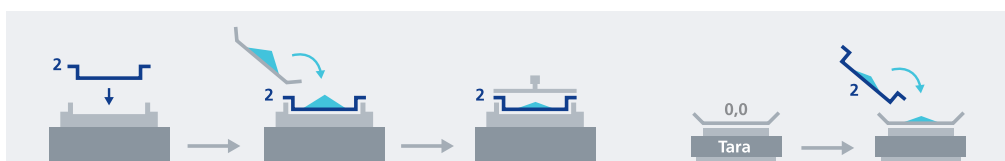
> Batch weight



> Test sieve 1



> Test sieve 2



Sieving process

Illustration of the individual stages of a sieving analysis.

SOFTWARE TAILORED TO REQUIREMENTS

Four high-performance software-packages to choose from

Regardless of whether heavy-duty tasks with high throughputs in the minerals and cement industry are involved or highly regulated and documentation-intensive processes in the production of pharmaceuticals and food: our four high-performance software packages offer the optimum solution for every process-technological environment.

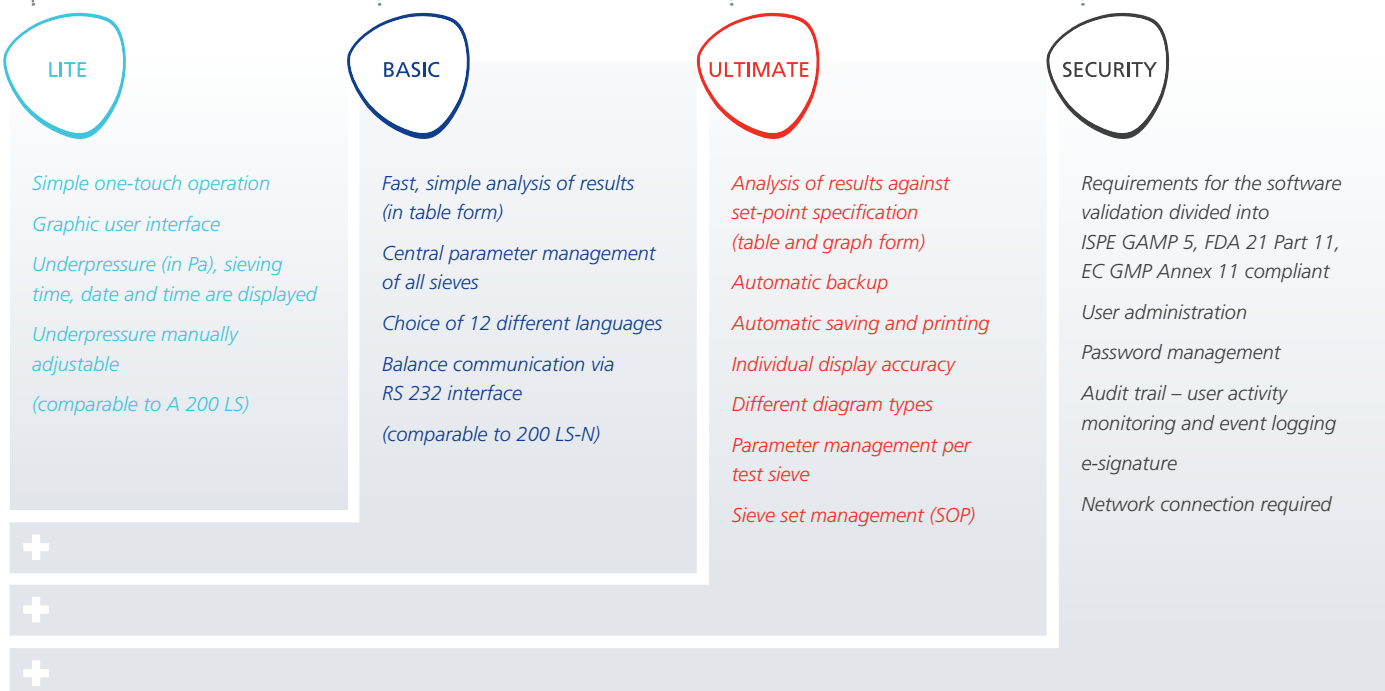
A plus on comfort: regardless of which software package you decide to purchase – it is always pre-installed.

Flexible: extend the functions of your e200 LS to optimise your analysing process by software upgrades. We will send you a new license key that you can install on your device at any time – quick and easy.

Service-oriented: we will compile an individual software package tailored exactly to your requirements – take advantage of this offer now!



UPGRADABLE AT ANY TIME!



INNOVATIVE, DIGITAL, AUTOMATED – OPERATION MADE EASY

The menu navigation is simple and well-defined. Comprehensible symbols on the intuitive touch screen guarantee high operating comfort. Twelve different languages are currently available for the language elements.

1 SETTINGS

System information, date/time, network, balances, sieving, numerical formats, units of measurement, etc.

2 SIEVING

Manual sieving, sieving according to SOPs

3 TEST SIEVE MANAGEMENT

Individual assignment of underpressure and sieving time parameters, etc.

4 SOP MANAGEMENT

Standard Operation Procedure for the creation and management of sieving processes

5 ARCHIVE

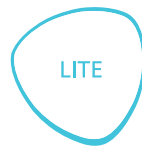
Retrieval and evaluation of the stored sieving processes

6 USER ADMINISTRATION

User generation and management with up to 5 different authorisation levels



COMPARISON OF THE SOFTWARE FEATURES IN DETAIL



BASIC FUNCTIONS

Underpressure regulation manually (leakage air flap)	•	-	-	-
User administration with authorisation levels	-	2 levels	2 levels	up to 5 levels
System data display / device settings	•	•	•	•
12 languages available (CZ, DE, US, ES, FR, JP, BR, RU, TR, CN, CN, HR, PL)	-	•	•	•
Change measurement unit (weight, length, underpressure)	-	-	•	•
Change display accuracy (weight, ratio)	-	-	•	•
Audio (acoustic signal for keyboard feedback)	-	-	•	•
USB keyboard, mouse, barcode scanner	-	•	•	•
Ethernet port	-	-	•	•
Printer via USB or LAN	-	-	•	•
Screenshot function	-	-	•	•
Demo version available for 30 days	-	•	•	•
Connection of different vacuum cleaners (option)	•	-	-	-

LABORATORY BALANCES

Standard balance driver (Sartorius/Mettler)	-	•	•	•
Balance driver list upgradable by update	-	-	•	•
Balance values can be set with preceding signs	-	-	•	•

TEST SIEVES

Automatic sieve recognition (RFID)	-	•	•	•
Mesh size unit selectable (µm, mm, ASTM)	-	-	•	•
Individual parameterisation of sieving time and underpressure per test sieve	-	-	•	•
Test sieve cleaning	-	•	•	•

SIEVING

Sieving	manual	manual	manual, SOP	manual, SOP
Result output selectable (relative / absolute value)	-	only in %	in g or in %	in g or in %
Automatic underpressure parameterisation	-	central for all sieves	individual	individual

SOP

Sieve set management (SOPs)	-	-	•	•
Import sieve set	-	-	•	•
Export sieve set	-	-	XML	XML

ARCHIVE MANAGEMENT

Display analysis result	-	display	display, printer, PC	display, printer, PC
External document archive adjustable via USB or LAN	-	-	•	•
Save the analysis results to the ext. document archive	-	-	manual / automatic	automatic

EVALUATION

Tabular evaluation	-	•	•	•
Graph: cumulative curve, RRSB, histogram	-	-	•	•
Calculation of three individual dx values	-	-	•	•
Graphic sieve analysis comparison (≤ 5) on display	-	-	•	•
Results evaluation against set-point specification (tabular & graphical)	-	-	•	•

IMPORT / EXPORT / PRINT

Laboratory Information and Management Systems (LIMS)-capable	-	-	•	•
Analysis report output to printer	-	-	manual / automatic	manual / automatic
XML / PDF data export	-	-	•	•
Summary / daily report can be generated	-	-	•	•
User list can be generated	-	-	-	•

UPDATE / BACKUP / RESTORE

Backup	-	manual	manual / automatic	manual / automatic
Restore	-	•	•	•
Update / upgrade of software, firmware, OS	•	•	•	•
Migration of XML and CSV legacy data from predecessor model	-	-	•	•
Audit trail (21 CFR Part 11) incl. electronic signature	-	-	-	•

SERVICE

Yearly calibration service (option)	•	•	•	•
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ORDER NOW:

airjetsieve@alpine.
hosokawa.com

Phone: +49 821 5906-485



TECHNICAL SPECIFICATIONS

Measurement range (with \varnothing 200/203 mm) (with \varnothing 76 mm)	20 μ m to 4 mm 10 μ m to 2.5 mm
Navigation	High-resolution capacitive 7" IPS multi-touch screen
Power supply cable (m)	3.0
Mains connection (V, ~, Hz)	90–264, 1, 50/60
Underpressure (Pa)	1500–5000
Air flow rate (m ³ /h)	65–140
Speed (rpm)	18
Weight (kg)	20
Protection class (IP):	54
Dimensions L x W x H (mm)	535 x 370 x 386

SCOPE OF DELIVERY

- > Main device
- > Class L vacuum cleaner
- > Acrylic glass cover
- > Software included – to match customer requirements

ACCESSORIES >>

Adapt the possibilities of the ALPINE air jet sieve e200 LS exactly to your analysis requirements and conditions on site: with useful accessories, operational supplies and spare parts as well as a unique range of services. All this to ensure that you can depend on the reliable and constantly high measuring accuracy for many years to come.



> e200 LS workstation

DUST EXTRACTION: VACUUM CLEANER

High-performance industrial vacuum cleaner, type L

No. 498760

A vacuum cleaner that thinks for itself

The Tact automatic filter cleaning system allows uninterrupted work, even when large volumes of fine dust are produced. The filter cleans itself with targeted, powerful blasts of air. The process is triggered automatically, with the suction power remaining constantly high.

- Dust class L (max. permeability 1% according to EN 60335-2-69)
- The removable filter housing allows dust-free filter replacement
- Central rotary switch for toggling between working with or without filter cleaning

TECHNICAL DATA

Max. power rating (W)	1380
Voltage (V)	220–240
Frequency (Hz)	50–60
Air flow rate (m ³ /h)	266
Vacuum (mbar)	254
Container capacity (litres)	30
Sound pressure level (dB (A))	69
Weight (kg)	13.9
Dimensions L x W x H (mm)	560 x 370 x 580

SCOPE OF DELIVERY

- Electrically conductive suction hose with e200 LS sleeve in DN 35 x 2500 mm (ø x L)
- 2.5-m connection cable with special plug for e200 LS
- 1x fleece filter bag
- 1x PES flat-pleated filter

ADDITIONAL INFORMATION

The vacuum cleaner is not designed for continuous operation. To this end, we recommend ordering our High Power vacuum cleaner (part no. 521790).

A 120-volt vacuum cleaner for the ALPINE air jet sieve e200 LS is available on request.



➤ High-performance industrial vacuum cleaner, type L

DUST EXTRACTION: FAN

High Power vacuum cleaner DBFV – dust class H

No. 521790

A reliable option by usage of harmful, explosive products or big product samples

- › Integrated filter cleaning system
- › Easy filter replacement
- › Nearly no service needed
- › For continuous operation
- › Regulated underpressure via frequency converter

TECHNICAL SPECIFICATIONS

Max. power rating (W)	2200
Voltage (V)	400
Frequency (Hz)	50
Airflow rate (m ³ /h)	300
Vacuum (mbar)	294
Container capacity (litres)	40
Noise level (dB(A))	70
Weight (kg)	60
Dimensions L x W x H (mm)	530 x 680 x 1135

POSSIBLE OPTIONS:

- › Antistatic / ATEX zone 22
- › Stainless steel version

SCOPE OF DELIVERY

- › High power vacuum cleaner dust class H14
- › 1x filter cartridge dust class M and HEPA each
- › 1x electrically conductive suction hose DN 35 x 2500 mm (ø x L)

› High Power vacuum cleaner DBFV



DUST COLLECTION: DEDUSTING

Pre-separator D360 – dust class M

No. 521810

For active dedusting of the process air

- › Pre-separator with robust steel housing
- › Dust class M acc. to EN 60335-2-69, for usage of dust with explosion level higher than 0,1 mg/m³
- › Filter surface 1.2 m² for longer usage
- › Half-automated filter cleaning with dust-stop
- › Changable collection bin of 13 l volume

TECHNICAL SPECIFICATIONS

Dimensions ø x H (mm)	362 x 656
Product inlet (mm)	50
Container volume (litres)	13

POSSIBLE OPTIONS:

- › Carrier board
- › Dust class type „H“ acc. to EN 60335-2-69, separation of different dust types with all explosion level, including carcinogenic and pathogenic dust
- › Antistatic / ATEX Zone 22 marking II 3 D

SCOPE OF DELIVERY

- › Electrically conductive suction hose, DN 35 x 2500 mm (ø x L)



› Pre-separator D360

Plastic cyclone PAZ 160

No. 489519

Perfect filtering with easy cleaning

- Effective upstream separator as pre-separator
- Simple emptying via collecting bag
- Extends vacuum cleaner service life
- Can be used for a wide range of applications (wood, plaster board, grinding, clay, concrete and flour dust)

TECHNICAL SPECIFICATIONS

Dimensions L x W x H (mm)	387 x 288 x 775
Capacity (litres)	34

SCOPE OF DELIVERY

- 34-litre plastic collecting box
- Cover for collecting box
- Suction hose
- Connecting elbow
- Dirt collecting bag for collecting box



➤ Plastic cyclone PAZ 160

ALPINE high-performance cyclone GAZ 120

No. 408808

For reliable and clean recovery of the fines

- Almost complete recovery of the sieved material
- No contamination caused, e.g. by filter lint
- Suitable for material quantities up to 1 litre
- Stainless-steel design, can be dismantled and washed

TECHNICAL SPECIFICATIONS

Dimensions L x W x H (mm)	275 x 155 x 770
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SCOPE OF DELIVERY

- Stand
- 1-litre screw-cap jar
- Electrically conductive wire spiral hose, abrasion-resistant, largely smooth on the inside DN 32 x 2000 mm (\varnothing x L)



➤ ALPINE high-performance cyclone GAZ 120

SIEVING: ANALYSIS SIEVES WITH STAINLESS STEEL FRAME

ALPINE test sieves

No. see table

Stainless steel sieves from 20 µm to 4000 µm with RFID chip eliminate mix-ups

- Fully automatic sieve recognition by means of RFID chip
- High-quality, stainless steel design

TECHNICAL SPECIFICATIONS

Sieve deck	Stainless steel
Sieve frame	Stainless steel
Standards	DIN ISO 3310, ASTM E11
Dimensions ø (mm)	203

SCOPE OF DELIVERY

- Transponder in plastic clip
- Acceptance certificate 2.1 according to DIN EN 10204

ADDITIONAL INFORMATION

RFID technology eliminates the need to enter the sieve mesh width and rules out sieve insert errors! Inspection certificate 3.1 on request.

Individual inspection certificate 3.1 for ALPINE test sieves according to DIN EN 10204

No. see table

SCOPE OF DELIVERY

- Screen analysis
- Results protocol (in table and graph form)

➤ ALPINE test sieve



ALPINE TEST SIEVES Ø 203 MM DIN ISO 3310			ALPINE TEST SIEVES Ø 203 MM ASTM E 11		
Mesh width	Acceptance certificate 2.1	Inspection certificate 3.1	Mesh width (no.#)	Acceptance certificate 2.1	Inspection certificate 3.1
20 µm	409067	409069	635	409276	409313
25 µm	409087	409154	500	409277	409314
32 µm	409088	409156	450	409278	409315
36 µm	409089	409157	–	–	–
38 µm	409092	409158	400	409279	409316
40 µm	409095	409159	–	–	–
45 µm	409096	409161	325	409281	409317
50 µm	409097	409163	–	–	–
53 µm	409098	409164	270	409282	409319
56 µm	409099	409165	–	–	–
63 µm	409101	409167	230	409283	409320
71 µm	409102	409169	–	–	–
75 µm	409103	409170	200	409284	409322
80 µm	409104	409173	–	–	–
90 µm	409105	409174	170	409285	409324
100 µm	409106	409175	–	–	–
106 µm	409108	409176	140	409286	409325
112 µm	409109	409177	–	–	–
125 µm	409110	409178	120	409288	409327
140 µm	409111	409179	–	–	–
150 µm	409112	409180	100	409289	409328
160 µm	409113	409181	–	–	–
180 µm	409114	409182	80	409290	409329
200 µm	409115	409183	–	–	–
212 µm	409116	409185	70	409366	409331
224 µm	409117	409186	–	–	–
250 µm	409118	409187	60	409292	409332
280 µm	409120	409188	–	–	–
300 µm	409121	409189	50	409294	409333
315 µm	409122	409190	–	–	–
355 µm	409125	409191	45	409295	409334
400 µm	409126	409192	–	–	–
425 µm	409127	409197	40	409296	409335
450 µm	409129	409198	–	–	–
500 µm	409131	409199	35	409297	409336
560 µm	409132	409200	–	–	–
600 µm	409133	409201	30	409298	409337
630 µm	409134	409202	–	–	–
710 µm	409135	409203	25	409299	409338
800 µm	409137	409204	–	–	–
850 µm	409138	409205	20	409301	409339
900 µm	409139	409206	–	–	–
1000 µm	409140	409207	18	409302	409341
1120 µm	409141	409208	–	–	–
1180 µm	409142	409209	16	409304	409342
1250 µm	409143	409210	–	–	–
1400 µm	409144	409212	14	409305	409343
1600 µm	409145	409213	–	–	–
1700 µm	409146	409214	12	409306	409344
1800 µm	409147	409215	–	–	–
2000 µm	409148	409216	10	409307	409346
2240 µm	410574	410579	–	–	–
2360 µm	410575	410580	8	409308	409347
2500 µm	409150	409217	–	–	–
2800 µm	410576	410581	7	409309	409348
3150 µm	409151	409218	–	–	–
3350 µm	410577	410582	6	409310	409349
3550 µm	410578	410583	–	–	–
4000 µm	409153	409219	5	409311	409350

SIEVING: SPECIAL SIEVES AND MICROSIEVING UNIT

Microsieving unit ø 76 mm for e200 LS

No. 424370

The microsieving unit is suitable for use with special sieves of 76 mm in diameter. Every air jet sieve e200 LS can be equipped for operation with this additional unit.

TECHNICAL SPECIFICATIONS

Adapter material	Stainless steel
Nozzle material	Stainless steel
Cover material	PMMA

SCOPE OF DELIVERY

- › Short slotted nozzle
- › Adapter to accommodate ALPINE special sieves ø 76 mm
- › Acrylic glass cover ø 76 mm

ADDITIONAL INFORMATION

Suitable for use with small sample batches.

Special sieves for e200 LS

No. see table

TECHNICAL SPECIFICATIONS

Sieve deck	Stainless steel/electroformed sheet
Standards	DIN ISO 3310-1, -3
Dimensions ø (mm)	76 (3")
Effective height (mm)	25

SCOPE OF DELIVERY

- › Acceptance certificate 2.1 according to DIN EN 10204

ADDITIONAL INFORMATION

No sieve recognition possible!

- › Microsieving unit ø 76 mm for e200 LS
- › Special sieves for e200 LS



ALPINE SPECIAL SIEVES Ø 76 MM INCL. ACCEPTANCE CERTIFICATE 2.1

Mesh width	Stainless steel metal wire cloth as per DIN ISO 3310-1 76 x 25 mm	Electroformed sheet as per DIN ISO 3310-3 76 x 25 mm
10 µm	–	454118
15 µm	–	454119
20 µm	424397	454120
25 µm	424398	454121
32 µm	424399	–
36 µm	424401	–
38 µm	424402	–
40 µm	424403	–
45 µm	424404	–
50 µm	424405	–
53 µm	424406	–
56 µm	424407	–
63 µm	424408	–
71 µm	424409	–
75 µm	424410	–
80 µm	424411	–
90 µm	424412	–
100 µm	424413	–
106 µm	424414	–
112 µm	424415	–
125 µm	424416	–
140 µm	424417	–
150 µm	424418	–
160 µm	424419	–
180 µm	424420	–
200 µm	424421	–
212 µm	424422	–
224 µm	424427	–
250 µm	424428	–
280 µm	424429	–
300 µm	424430	–
315 µm	424431	–
355 µm	424432	–
400 µm	424433	–
425 µm	424434	–
450 µm	424435	–
500 µm	424436	–
560 µm	424437	–
600 µm	425384	–
630 µm	424438	–
710 µm	424439	–
800 µm	424440	–
850 µm	424441	–
900 µm	424442	–
1000 µm	424443	–
1120 µm	424444	–
1180 µm	424445	–
1250 µm	424446	–
1400 µm	424447	–
1600 µm	424448	–
1700 µm	424449	–
1800 µm	424450	–
2000 µm	424451	–
2240 µm	424452	–
2360 µm	424453	–
2500 µm	424454	–

SIEVE HOLDER: ADAPTERS

UNIVERSAL SIEVE ADAPTER

Whether the predecessor model or a non-Alpine product: the different sieve adapters allow use of a wide range of the test sieves available on the market in the ALPINE air jet sieve e200 LS. Quick, easy and inexpensive.

Adapter for test sieves ϕ 200 mm »ALPINE A 200 LS« and »Haver & Boecker«

No. 396531

Allows the use of existing and non-Alpine sieves

- › For ϕ 200 mm sieves from Haver & Boecker
- › Significant costs savings as opposed to buying new sieves
- › For sieves of the ALPINE air jet sieve predecessor model A 200 LS

Adapter for test sieves ϕ 200 mm »Retsch«

No. 396532

Adapter for test sieves ϕ 203 mm/8" »W.S. Tyler«

No. 398251

Adapter for test sieves ϕ 203 mm/8" »Haver & Boecker«

No. 398292

Adapter for test sieves ϕ 203 mm/8" »Retsch«

No. 398375

Adapter for Japan Industrial Standard Sieves (JIS) ϕ 200 mm

No. 487125



› Adapter for different sieves with sieve (example) and universal cover

SIEVE HOLDER: COVER

Acrylic glass cover type 200 for »A 200 LS test sieves«

No. 009883

Suitable for test sieves of generation A 200 LS

Universal acrylic glass cover for test sieves

No. 439683

Suitable for non-Alpine test sieves



› Acrylic glass cover

PERIPHERAL DEVICES: LABORATORY BALANCES

Mettler Toledo ME 1002T laboratory balance

No. 414610

High-precision laboratory balance up to 1200 g
in high-quality cast aluminium housing

- › Maximum load up to 1200 g
- › Reading resolution: 0.01 g
- › Force-compensation measuring cell
- › Internal calibration weight at the touch of a button
- › Operation via touch screen

TECHNICAL SPECIFICATIONS

Connection	230 V, 50/60 Hz
Dimensions L x W x H (mm)	319 x 200 x 100

SCOPE OF DELIVERY

- › 1 x special serial data cable
- › Sample pan ø 130 mm



› Mettler Toledo ME 1002T
laboratory balance

Sartorius Practum® 1102-1S laboratory balance

No. 308073

Compatible high-precision laboratory balance to 1100 g with
weighing pan suitable for all test sieves up to ø 220 mm

- › Maximum load up to 1100 g
- › Reading resolution: 0.01 g
- › Touch screen with Sartorius user interface

TECHNICAL SPECIFICATIONS

Connection	100–240 V, 50/60 Hz
Dimensions L x W x H (mm)	360 x 216 x 95

SCOPE OF DELIVERY

- › 1 x serial data cable
- › Sample pan ø 130 mm



› Sartorius Practum®
1102-1S laboratory balance

SIEVE HANDLING: STORAGE AND CLEANING

ALPINE sieve holder type 203 SH

No. 354369

Safe and space-saving storage of your valuable test sieves

- For up to 5 test sieves
- Optimum storage
- Space-saving design
- Clear arrangement of sieve sizes
- Simple assembly

TECHNICAL SPECIFICATIONS

Dimensions L x W x H (mm) 300 x 253 x 167

ADDITIONAL INFORMATION

For old and new sieve generations up to \varnothing 203 mm x width 45 mm!



➤ ALPINE sieve holder type 203 SH

➤ Ultrasonic cleaning device type S 300 H



Ultrasonic cleaning device type S 300 H

No. 253339

Professional cleaning of up to 5 test sieves

- Tried-and-tested ultrasonic system
- Simple handling
- LED indication of set time and remaining time
- Temperature-controlled cleaning process

TECHNICAL SPECIFICATIONS

Ultrasonic frequency (kHz)	37
Power consumption (W)	1500
Effective ultrasonic output (W)	300
Ultrasonic peak output max. (W)	1200
Heating output (W)	1200
Mains connection (V/~ /Hz/A)	230/1/50–60/16
Tank internal dimensions L x W x H (mm)	300 x 505 x 200
Max. filling volume (litres)	28
Weight (kg)	11.0
Tank material	Stainless steel
Housing material	Stainless steel
Liquid run-off	3/8"
Protection class	IP 20
Dimensions L x W x H (mm)	340 x 568 x 321

SCOPE OF DELIVERY

- »EU« connection cable
- Operating manual

Stainless steel basket for S 300 H

No. 395226

TECHNICAL SPECIFICATIONS

Internal dimensions (mm)	455 x 250
Material	Stainless steel

ADDITIONAL INFORMATION

Special accessories for cleaning small components such as the nozzle of the e200 LS.

Cover for S 300 H

No. 395228

Ultrasonic cleaning device type S 50 R

No. 429174

Professional cleaning for one test sieve

- › Tried-and-tested ultrasonic system
- › Reliable cleaning
- › Simple handling

TECHNICAL SPECIFICATIONS

Ultrasonic frequency (kHz)	37
Power consumption (W)	150
HF peak output (W)	600
Mains connection (V/~ / Hz / A)	230/1/50–60/16
Tank internal dimensions D/H (mm)	240/130
Total filling volume (litres)	5,3
Weight (kg)	5.0
Tank materia	Stainless steel
Housing material	Stainless steel
Dimensions $\varnothing \times H$ (mm)	260 \times 350

SCOPE OF DELIVERY

- › »EU« connection cable
- › Operating manual

ADDITIONAL INFORMATION

Designed for intensive cleaning of analysis and micro-precision sieves.

Holder for test sieve S 50 R

No. 437258

Cover for S 50 R

No. 429178



› Ultrasonic cleaning device type S 50 R incl. holder for test sieves

Cleaning concentrate Tec Clean A4

No. 441521

Universal alkaline cleaner

- › Suitable for cleaning metal, glass, ceramics, plastic and rubber surfaces, etc.
- › Removes oil, grease, carbon black and dust. Has a demulsifying effect on the majority of mineral oils and fats.
- › Contents 2.5 litres



› Cleaning concentrate Tec Clean A4

SPARE PARTS & SUPPLIES

The ALPINE air jet sieve is irreplaceable. Its spare parts and supplies are not.

It makes good sense to order any especially stressed components and disposables at the same time you order your air jet sieve! Whether filter elements, cables, hoses or

test sieves – we offer you a wide range of products to ensure the long-term reliability and cost-effective use of your ALPINE air jet sieve.

MACHINE

Acrylic glass cover type 203

No. 340463

With special coating for rapid cleaning after analysis.

Suction silencer FFSD 112

No. 498742

Effective noise reduction of the process air.

Serial test sieve adapter ø 203 mm

No. 396530

For quick and easy mounting of the standard sieves.

Hammer

No. 009932

For tapping off any deposits from the acrylic glass cover.

Brush

No. 328110

Natural bristle brush for cleaning test sieve and cover.

VACUUM CLEANER

Fleece filter bags dust class M

No. 498748

5 to a package, 30-litre volume, tear-resistant.

Flat-pleated filter PES BIA-C dust class M

No. 498758

Made of rot-proof polyester fleece. Particularly suitable for abrasive materials.

Flat-pleated filter HEPA

No. 504039

The HEPA flat pleated filter – dust class H (HEPA 13) – with fibreglass layers increases filter performance when vacuuming up hazardous and carcinogenic dusts.

Spare vacuum cleaner hose

No. 504034

Electrically conductive suction hose with bayonet catch and e200 LS sleeve. DN 35 × 2500 (ø × L).

Disposal bag

No. 498757

PU 10, easy handling for large product volumes, suitable only for non-critical substances.

ADDITIONAL INFORMATION

Replaces fleece filter bags M, No. 498748

Power contactor for eControl Lite

No. 521779

Electrical regulation unit for connections of vacuum cleaner of different brands (similar technical details). Pin Connection on site required.

DUST COLLECTION

ALPINE high-performance cyclone GAZ 120

No. 408808

Plastic cyclone PAZ 160

No. 489519

Spare filter M for pre-separator D360

No. 521814

Spare filter H for pre-separator D360

No. 521815

Spare filter M – ATEX for pre-separator D360

No. 521816

Spare filter H – ATEX for pre-separator D360

No. 521817

Carrier board for pre-separator D360

No. 521783

LABORATORY BALANCES

Spare Sartorius balance cable

No. 446526

For Sartorius balances. (USB/RS232)

Spare Mettler Toledo balance cable

No. 251850

For Mettler Toledo balances.

Spare sample pan ø 130 mm

No. 279119



HOSOKAWA ALPINE **BLUESERV**

Our service department has been given a makeover: the new Hosokawa Alpine BLUESERV service brand. This distinctive name stands for Hosokawa Alpine's comprehensive problem-solving competence in all sectors of the powder industry. The advantage for you: all service benefits in the powder production area are now grouped together under a single service brand.

BLUESERV MEANS TAILORED CUSTOMER SERVICE

Our service experts help you find the right solutions for your specific challenges. Whether by optimising your processes, adapting the systems to new requirements or carrying out remote monitoring using state-of-the-art software. Preventative maintenance, a dependable spare parts service and repairs are of course also part of the service portfolio – around the clock and worldwide. Because optimum service significantly contributes to increasing the availability of your systems and extending their service lives.

YOUR CUSTOMER-ORIENTED SOLUTION PROVIDER

Beyond merely engineering, manufacturing and installing our machines, we have long since become a service-oriented partner with expert know-how and customer-oriented problem-solving competence. We make sure that your investments in our products are used in the best possible way and are therefore worthwhile in the long term. That is why we support you as a reliable partner throughout the entire life cycle of your system. Why not reap the benefits of this philosophy?

Visit www.hosokawa-alpine.com for further information

MAINTENANCE

Basic maintenance contract

Price on request



SCOPE OF SERVICE

- › On-site annual maintenance of the analysis device
- › General check for function and condition
- › Pressure test
- › Test run
- › Preparation of a system log





QUALIFICATION specifically for the pharmaceuticals industry

Full-service maintenance contract

Price on request



SCOPE OF SERVICE

- › Annual inspection of the analysis device in our Augsburg factory
- › General check for function and condition
- › Pressure test
- › Loan of an air jet sieve during maintenance
- › Shipping/return transport of the units within the EU
- › Replacement of defective parts
- › Assistance in the case of malfunctions outside the scheduled maintenance intervals
- › Fastest possible response by rapid spare parts shipment
- › Inspection of test sieves

Qualification documentation for e200 LS

for e200 LS: No. 496308



Qualification is the »documented proof that the equipment, systems and units in the installed or modified version comply with the approved design and the manufacturer's recommendations« (ZLG – Aide Memoire 2010)

- › Qualification master plan
- › Risk analysis/assessment according to FMEA

Qualification templates for:

- › Installation qualification (IQ)
- › Operational qualification (OQ)
- › Performance qualification (PQ)
- › Software validation (CV) only for the Security version

The above qualification templates are supplied without performance of the tests.

On-site training and qualification

Price on request



If required, we offer a comprehensive range of further services for the e200 LS:

- › Training of operating personnel
- › Test run and inspection of qualification documents (IQ, OQ)
- › Implementation on site

OVERVIEW

UPGRADE OF e200 LS eControl SOFTWARE

Upgrade	Order no.
Upgrade from Lite to Basic	521785
Upgrade from Lite to Ultimate	521786
Upgrade from Lite to Security	521787
Upgrade from Basic to Ultimate	404319
Upgrade from Basic to Security	498474
Upgrade from Ultimate to Security	498471

OPTIONAL ACCESSORIES / VARIANTS (ADDITIONAL CHARGE)

Dust extraction	Order no.
High-performance industrial vacuum cleaner type L – 120 V; 50/60 Hz *	498759 *
High Power vacuum cleaner DBFV – dust class H *	521790 *
Power contactor for eControl Lite (foreign vacuum cleaner) *	521779 *

ACCESSORIES

Dust collection	Order no.
ALPINE high-performance cyclone GAZ 120	408808
Plastic cyclone PAZ 160	489519
Pre-separator D360 – dust calss M	521810
Pre-separator D360 – dust calss M + ATEX	521811
Pre-separator D360 – dust calss M + H	521812
Pre-separator D360 – dust calss M + H + ATEX	521813

Peripheral units	Order no.
Laboratory balance Sartorius Practum® 1102-1S / 110-230 V	308073
Laboratory balance Mettler Toledo ME 1002T – 230 V; 50/60 Hz	414610

Sieving	Order no.
ALPINE micro-sieving unit (D) 76mm	424370

Universal sieve adapter	Order no.
Adapter for test sieves ø 200 mm »ALPINE A200LS«/»Haver & Boecker«	396531
Adapter for test sieves ø 200 mm »Retsch«	396532
Adapter for JIS sieves ø 200 mm	487125
Adapter for test sieves ø 203 mm / 8" »W.S. Tyler«	398251
Adapter for test sieves ø 203 mm / 8" »Haver & Boecker«	398292
Adapter for test sieves ø 203 mm / 8" »Retsch«	398375
Acrylic glass lid, type 200 for »A200LS test sieves«	009883
Acrylic glass lid for off-brand test sieves	439683

Sieve handling	Order no.
ALPINE sieve holder type 203 SH	354369
Ultrasonic cleaning unit, type S 50 R – 230 V; 50/60 Hz	429174

Test sieve holder for type S 50 R	437258
Cover for S 50 R	429178
Ultrasonic cleaning unit, type S 300 H – 230 V; 50/60 Hz	253339
Stainless steel basket for S 300 H	395226
Cover for S 300 H	395228
Cleaning concentrate Tec Clean A4 – 2.5 litres	441521

SPARE PARTS FOR STANDARD ACCESSORIES

Standard accessories	Order no.
Acrylic glass lid type 203	340463
Suction silencer FFSD 112	498742
Standard adapter for ø 203 mm test sieves	396530
Tapper	009932
Brush	328110

SPARE PARTS & OPERATING SUPPLIES

Vacuum cleaner	Order no.
Fleece filter bag	498748
Disposal bag	498757
Flat pleated filter PES	498758
Flat pleated filter HEPA	504039
Spare suction hose for vacuum cleaner	504034

Dust collection	Order no.
Screw-cap jar for high-performance cyclone GAZ 120 incl. screw cap	009968
Spare hose for pre-separator and cyclone – incl. sleeve	504028
Carrier board for pre-separator D360	521818
Spare filter M for pre-separator D360	521814
Spare filter H for pre-separator D360	521815
Spare filter M – ATEX for pre-separator D360	521816
Spare filter H – ATEX for pre-separator D360	521817

Laboratory balances	Order no.
Spare cable for Sartorius	446526
Spare cable for Mettler Toledo laboratory balance	251850
Spare sample pan ø 130 mm	279119

SERVICE

Maintenance contracts	Order no.
Basic and full-service maintenance contracts	on request

Data security	Order no.
Qualification documentation	496308
Qualification service	on request

* Additional charge compared with the vacuum cleaner (dust class L–230 V; 50/60 Hz) already included in the package. Unit price on request.



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Any questions? We will be pleased to answer them!



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Printed in Germany.

0061-EN-2020-04-Air_Jet_Sieve