



South Aluminum Corporation (SALCO)

Bid Invitation

Date: August 17, 2026

No.: SALCO-TENDER-05-0023

Subject: Procurement of ALPINE Air Jet Sieve, Associated Auxiliaries and Essential Spare Parts

South Aluminum Corporation (SALCO) hereby invites all qualified suppliers to bid for supply of following products based on the below terms and conditions.

Description of Products are as follows:

Items		Description of Products As per the manufacturer's catalog	Further details As per the manufacturer's catalog	QTY	Unit
1	Separator Ultrafine particle Air Jet output power... KW automatic Input Voltage 220...240 VAC With Software Package ULTIMATE Brand HOSOKAWAALPINE Model ALPINE AIR JET SIEVE e200 LS	HOSOKAWA ALPINE AIR JET SIEVE e200 LS; Scope of delivery: Main device; High-performance industrial vacuum cleaner, type L, Voltage 220-240 V; Software package, ULTIMATE version; Included accessories	Included accessories: sieve adapter, slotted nozzle, acrylic glass lid, suction silencer, hammer, brush, power connection cable, operationg manual	1	Device
2	Scale digital laboratory Brand Sartorius Practum1102-1S capacity 1.1 Kg Measurement accuracy 0.01 g Part Number 308073 (HOSOKAWA)	Sartorius Practum 1102-1S laboratory balance; Compatible high-precision laboratory balance weighing pan suitable for all test sieves up to ø 220 mm, Maximum load up to 1100 g, Reading resolution: 0.01 g	-	1	Device
3	Cyclone ALPINE Air Jet Sieve e200 LS- HOSOKAWA Part Number 408808	ALPINE high-performance cyclone GAZ 120	-	1	PCS
4	Mesh/Screen Sieve ASTM E11 MESH SIZE 38 µm size 203 mm ALPINE Air Jet Sieve e200 LS- HOSOKAWA Part Number 409279	ALPINE TEST SIEVE Ø 203 MM ASTM E11, Acceptance certificate 2.1, Mesh width No. 400	-	4	PCS
5	Mesh/Screen Standard ASTM E11 MESH SIZE 75µm Size 203 mm ALPINE Air Jet Sieve e200 LS- HOSOKAWA Part Number 409284	ALPINE TEST SIEVE Ø 203 MM ASTM E11, Acceptance certificate 2.1, Mesh width No. 200	-	4	PCS

6	Mesh/Screen standard ASTM E11 MESH SIZE150 µm Size 203 mm ALPINE Air Jet Sieve e200 LS HOSOKAWA Part Number 409289	ALPINE TEST SIEVE Ø 203 MM ASTM E11, Acceptance certificate 2.1, Mesh width No. 100	-	4	PCS
7	Cover type 203 Material Acrylic glass ALPINE Air Jet Sieve e200 LS - HOSOKAWA Part Number 340463	Acrylic glass cover type 203 for ALPINE AIR JET SIEVE	Spare part of the Machine	2	PCS
8	Adaptor Sieve size 203 mm ALPINE Air Jet Sieve e200 LS - HOSOKAWA Part Number 396530	Serial test sieve adapter ø 203 mm for ALPINE AIR JET SIEVE	Spare part of the Machine	2	PCS
9	Hammer ALPINE Air Jet Sieve e200 LS- HOSOKAWA Part Number 009932	Hammer for ALPINE AIR JET SIEVE	Spare part of the Machine	2	PCS
10	Brush With natural hair ALPINE Air Jet Sieve e200 LS - HOSOKAWA Part Number 328110	Brush for ALPINE AIR JET SIEVE	Spare part of the Machine	2	PCS
11	Bag woolen type L vacuum cleaner Valume 30 L Application ALPINE Air Jet Sieve e200 LS- HOSOKAWA Part Number 498748	Fleece filter bags dust class M for ALPINE High-performance industrial vacuum cleaner type L; 5 to a package, 30-litre volume, tear- resistant	Spare part of the Vacuum Cleaner; 2 packages equal 10 pieces of bag	2	Package
12	Filter Plated vacuum cleaner Type L ALPINE Air Jet Sieve e200 LS - HOSOKAWA Part Number 498758	Flat pleated filter PES BIA-C dust class M for ALPINE High- performance industrial vacuum cleaner type L	Spare part of the Vacuum Cleaner	2	PCS
13	Bag Disposal Application Type L vacuum cleaner ALPINE Air Jet Sieve e200 LS - HOSOKAWA Part Number 498757	Disposal bag for ALPINE High- performance industrial vacuum cleaner type L; 10 to a package	Spare part of the Vacuum Cleaner; 1 package equals 10 pieces of bag	1	Package
14	Hose type L vacuum cleaner ALPINE Air Jet Sieve e200 LS - HOSOKAWA Part Number 504034	Spare vacuum cleaner hose for ALPINE High-performance industrial vacuum cleaner type L	Spare part of the Vacuum Cleaner	2	PCS

Quantity:

As per as the above table

Delivery Terms: CFR Bandar Abbas port, Iran (As per Incoterms 2020).

Delivery Time: Within 4 (four) months after contract conclusion.

Manufacturer: HOSOKAWA ALPINE

Note 1: All Products shall only be supplied from HOSOKAWA ALPINE as the manufacturer. Otherwise, the products shall be rejected by SALCO and the winner/supplier shall bear/compensate all related losses.

Payment Terms:

- **Payment Method:** In cash.
- **Settlement Method:** 100 % (one hundred percent) of Total Price of Contract shall be paid by the buyer after full delivery of Products by the seller and confirmation of the quantity, quality, and conformity of Products by the buyer.

Note 2: Payment of contract price shall be in USD, AED, and/or other foreign currencies, at SALCO 's choice. The base of exchange rates shall be XE.COM Websites 's exchange rate at the date of payment.

Other Conditions:

Note 3: In order to facilitate the procedure of invoicing and payment, if an Iranian company wins the contract, the winner shall introduce a third-party foreign company and accordingly enter into a tripartite contract/agreement. In case the Iranian winner company fails to introduce a third-party foreign company and enter into a tripartite contract/agreement, the contract award to the mentioned winner shall be considered null and void.

Note 4: An inspection will be carried out by SALCO or its nominated inspector at the manufacturer's factory (in the country of origin), before shipment. After completion of the inspection and confirmation of SALCO, shipment of Products shall be allowed.

Note 5: SALCO will not accept any broken, damaged, and defected Products in the place of delivery and the damaged or defected Products will be rejected by SALCO.

Note 6: For further information on submitting an offer, please study Annex I, Annex II and Annex III.

Annex I. General Tender Information.

Annex II. Price Table (according to delivery term)

Annex III. Description of Products.

Note 7: All Interested bidders may obtain further information by contacting the following phone number:

Phone number: +98 21 53745000 Ext. 336

ANNEX I: General Tender Information

Validity: All offers should be valid at least for 90 (ninety) days after the deadline.

Deadline: All offers should reach to SALCO's Legal & Contracts Affairs Department at: No.35, 13th St., Seyyed Jamalluddin Asadabadi Ave, Tehran-Iran, Postal code: 1433673981, in a sealed envelope **no later than COB September 26, 2026.**

Note 8: All received offers by email or fax will not be considered.

Note 9: This tender will not be extended, unless through a further notice given by SALCO. In case of extension of the tender, SALCO will announce it via its official website at www.salcocomplex.com.

Note 10: All sealed envelopes should have followings:

1. Name of Supplier

2. Number of Tender
3. Stamp of Company
4. Specified Envelops A, B, and C

Currency: The requested currency is USD.

Offer Terms: Your offer shall contain followings (Signed and Stamped in a sealed envelope):

Envelope "A" Guarantee:

This tender does not require bid guarantee.

Envelope "B" (Qualification):

Envelope B should show relevant expertise, capability, knowledge, and experience of tenderers in supply of Tender Products, including the detailed resume of tenderers. Also, tenderers shall print out all pages of this tender document, and put them inside the envelope B, signed and stamped.

Note 11: Technical qualification of all tenderers including their work experiences and resume would be considered & evaluated by SALCO in this stage.

Note 12: If tenderers fail to pass this stage and their qualification is not approved by SALCO, they would be removed from tender process and the envelope C, submitted by them, would not be opened by SALCO in the next stage.

Envelope "C" (Commercial Offer):

Envelope C shall contain the commercial offer of tenderers **as per the price tables of Annex II**. Tenderers shall fill out the price table of Annex II and put the filled-out table inside the envelope C.

Additional Information:

Note 13: The Products will be inspected by SALCO or its nominated inspection company at the manufacturer's factory (in the country of origin). So, the winner/supplier/manufacturer should cooperate fully with SALCO or its nominated inspector. If after inspection(s), the quality of Products is not confirmed, SALCO can reject the products and the guarantee(s) submitted by the winner will be seized by SALCO. In this case, all related costs or losses shall be borne by the winner.

Note 14: Final inspection will take place in SALCO Plant. Without approval of SALCO Technical Team the Products will be rejected.

Note 15: Buyer has the right to do inspection or nominate a third-party inspection company to carry out the inspection before delivery or after the delivery of the products. The seller shall fully cooperate with the buyer during the inspection process.

Note 16: The seller shall introduce its contact person for inspection arrangements.

Note 17: Before shipment, the seller shall communicate with the buyer and ask him whether pre-shipment inspection is necessary or not.

Note 18: The seller is obliged to take high resolution pictures of the products and send them to the buyer, before packing and shipment. After confirmation of the buyer, shipment will be allowed.

Note 19: In case a tenderer wins the tender and refuses or fails to act according to its proposed offer and contractual obligations, that tenderer will not be allowed to participate in all future tenders of SALCO and SALCO will be entitled to remove that tenderer from SALCO's Approved Vendor List. SALCO is also entitled to claim the related losses occurred by the said winner/supplier (like price increase which may affect SALCO's supply chain for the occurred delay).

Note 20: This invitation for a tender does not bind SALCO to purchase of such Products. SALCO reserves the right to cancel the above tender without assign any reasons and without any intimation from the bidders.

Note 21: All tender offers must be submitted in person to SALCO's Legal & Contracts Affairs Department in a closed and sealed envelope at the following address. Bidders shall get a delivery receipt from Legal & Contracts Affairs Department of SALCO for delivery of envelopes. **Offers received through email or fax shall not be considered.**

Address: No. 35, 13th St., Seyyed Jamalluddin Asadabadi Av., Tehran-Iran

Note 22: SALCO is permitted to set Quantity between the top offers. Number of accepted offers will be decided by SALCO.

Note 23: If within 7 (seven) days after sending a written contract award by SALCO, the winner of the tender does not sign the contract or refuses to accept contractual terms and conditions, SALCO has the right to disqualify the winner, cancel the contract award, and awards the contract to the second-ranked bidder.

Note 24: The documents of delivered offers of the tender will be destroyed after 30 (thirty) days from the date of opening the offers' envelopes.

Note 25: The winner of the tender is obliged to provide the Products based on the specifications and brands, inserted in the documents as well as attachments.

Note 26: Participation in this tender constitutes acceptance of all above-mentioned terms and conditions.

Note 27: In case the winner is not Iranian company and cannot provide the performance guarantee, the guarantee shall be provided by a third party on behalf of the winner or the buyer can freeze 5 % (five percent) of total price of the contract, from the account payable in SALCO, introduced by the seller.

Annex II

Table

Item		Quantity	Unit	Total CFR Bandar Abbas Price (USD)
1	Separator Ultrafine particle Air Jet output power... KW automatic Input Voltage 220...240 VAC With Software Package ULTIMATE Brand HOSOKAWAALPINE Model AIR JET SIEVE E200 LS	1	Device	
2	Scale digital laboratory Brand Sartorius Practum 1102-1S capacity 1.1 Kg Measurement accuracy 0.01 g Part Number 308073 (HOSOKAWA)	1	Device	
3	Cyclone ALPINE Air Jet Sieve e200 LS- HOSOKAWA Part Number 408808	1	PCS	
4	Mesh/Screen Sieve ASTM E11 MESH SIZE 38 µm size 203 mm ALPINE Air Jet Sieve e200 LS- HOSOKAWA Part Number 409279	4	PCS	
5	Mesh/Screen Standard ASTM E11 MESH SIZE 75 µm Size 203 mm ALPINE Air Jet Sieve e200 LS- HOSOKAWA Part Number 409284	4	PCS	
6	Mesh/Screen standard ASTM E11 MESH SIZE 150 µm Size 203 mm ALPINE Air Jet Sieve e200 LS - HOSOKAWA Part Number 409289	4	PCS	
7	Cover type 203 Material Acrylic glass ALPINE Air Jet Sieve e200 LS - HOSOKAWA Part Number 340463	2	PCS	
8	Adaptor Sieve size 203 mm ALPINE Air Jet Sieve e200 LS HOSOKAWA Part Number 396530	2	PCS	
9	Hammer ALPINE Air Jet Sieve e200 LS- HOSOKAWA Part Number 009932	2	PCS	
10	Brush With natural hair ALPINE Air Jet Sieve e200 LS HOSOKAWA Part Number 328110	2	PCS	
11	Bag woolen type L vacuum cleaner Valume 30 L Application ALPINE Air Jet Sieve e200 LS- HOSOKAWA Part Number 498748	2	Package	
12	Filter Plated vacuum cleaner Type L ALPINE Air Jet Sieve e200 LS - HOSOKAWA Part Number 498758	2	PCS	
13	Bag Disposal Application type L vacuum cleaner ALPINE Air Jet Sieve e200 LS - HOSOKAWA Part Number 498757	1	Package	
14	Hose type L vacuum cleaner ALPINE Air Jet Sieve e200 LS - HOSOKAWA Part Number 504034	2	PCS	
Total Price				

Annex III

Description of Products



ALPINE AIR JET SIEVE e200 LS

Particle analysis – simple and flexible

Product catalogue 2022



HOSOKAWA ALPINE

Process technologies for tomorrow.



02 | HOSOKAWA ALPINE

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**

HOSOKAWA ALPINE | 03

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

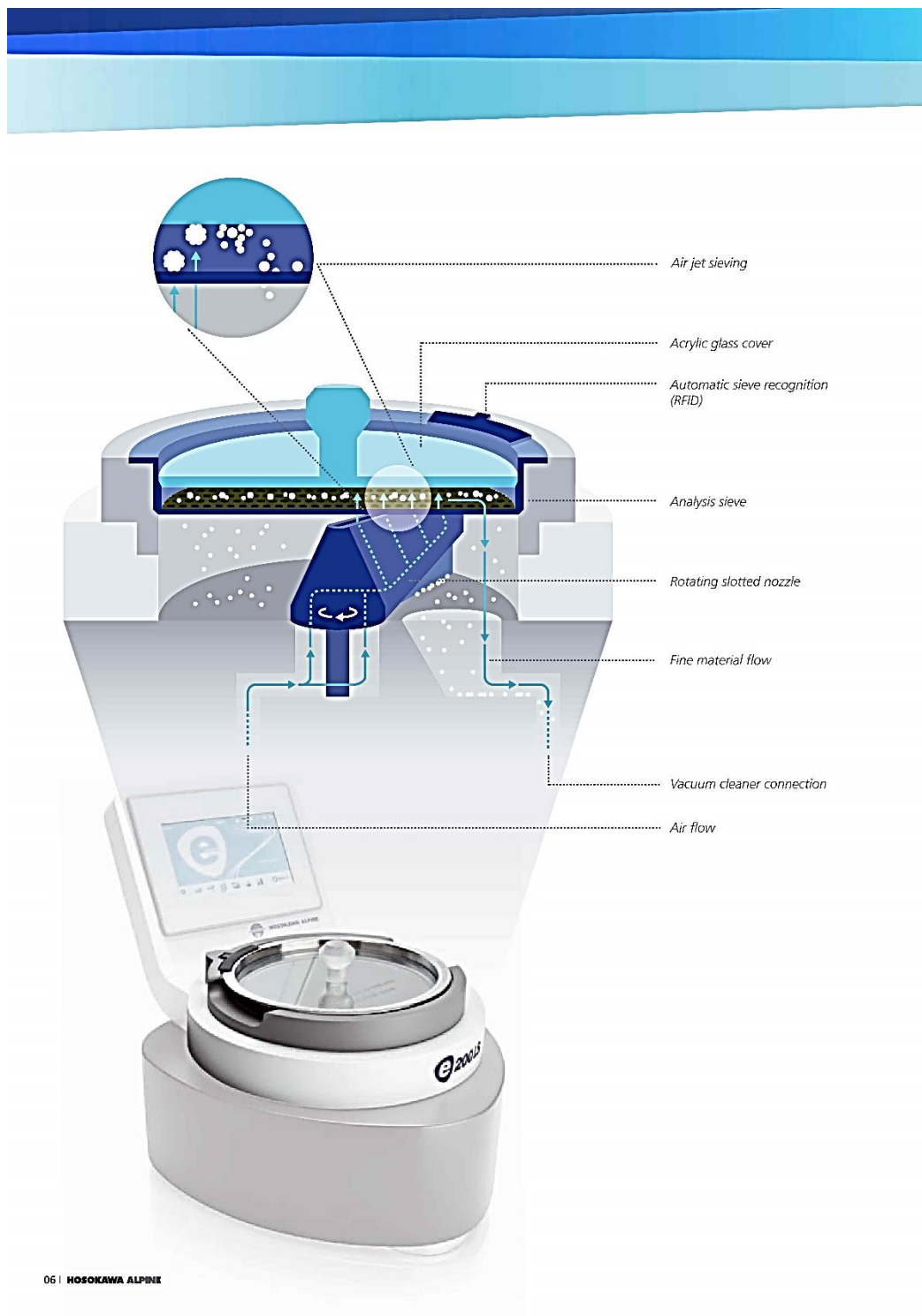
Password-protected settings, customisable display accuracy, migration of legacy data in XML format.



➤ IDEAL CONNECTIONS

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

HOSOKAWA ALPINE | 05



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

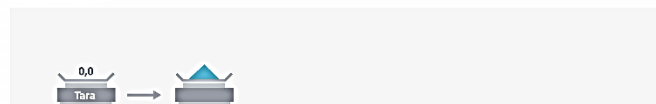
air is accelerated and flows through the sieve cloth at high speed from below. The particles on the sieve cloth are dispersed briefly by the air jet at the cover – even before they are pulled downwards through the sieve cloth by the suction of the vacuum cleaner. The effect: the fine material is separated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

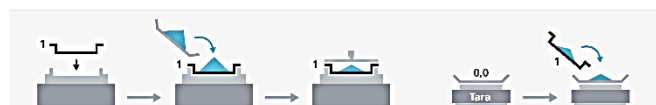
Separation, fractionation and particle size analysis of powders in various industries:

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

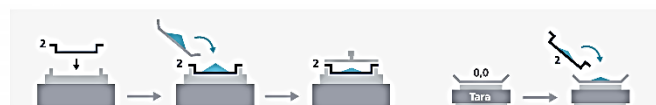
➤ Batch weight



➤ Test sieve 1



➤ Test sieve 2



Sieving process

Illustration of the individual stages of a sieving analysis.

SOFTWARE TAILORED TO REQUIREMENTS

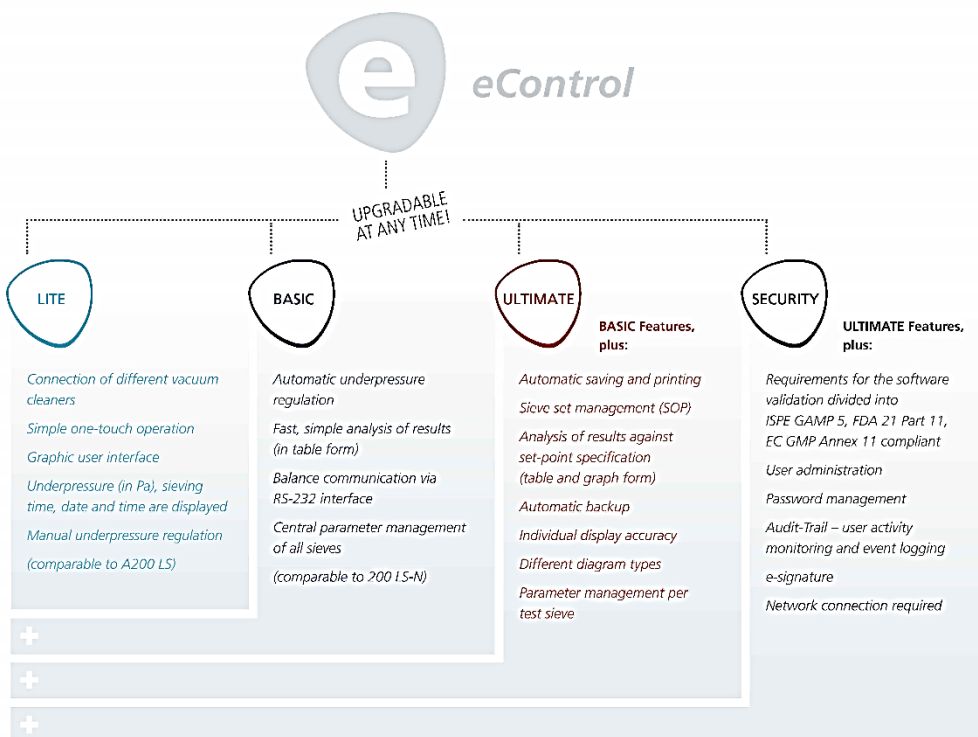
Four high-performance software-packages to choose from

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!



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

LITE

BASIC

ULTIMATE

SECURITY

BASIC FUNCTIONS

Underpressure regulation manually (leakage air flap)	•	-	-	-
User administration with authorisation levels	2 levels	2 levels	2 levels	up to 5 levels
System data display / device settings	•	•	•	•
12 languages available (CZ, DE, ES, FR, JP, BR, RU, TR, 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, LAN or FileServer	-	-	•	•
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 ø 200/203 mm) (with ø 76 mm)	20 µm to 4 mm 10 µm 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 (m³/h)	70–130
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
- High-performance industrial vacuum cleaner, type L
- Software included – to match customer requirements
- Incl. accessories (sieve adapter, slotted nozzle, acrylic glass lid, suction silencer, hammer, brush, power connection cable, operating manual)

HOSOKAWA ALPINE | 11

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 (m³/h)	150
Vacuum (mbar)	230
Container capacity (litres)	31
Sound pressure level (dB (A))	69
Weight (kg)	13.5
Dimensions L × W × H (mm)	560 × 370 × 580

SCOPE OF DELIVERY

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

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

HOSOKAWA ALPINE | 13



Pre-separator D360 – dust class M + ATEX

No. 521811

- Dust class M acc. to EN 60335-2-69, for usage of dust with explosion level higher than 0,1 mg/m³
- Polyester-filter cartridge with filter surface 1.2 m²
- Antistatic / ATEX Zone 22 marking II 3 D

Pre-separator D360 – dust class M + H

No. 521812

- Dust class H acc. to EN 60335-2-69, separation of different dust types with all explosion level, including carcinogenic and pathogenic dust
- HEPA-filter, filter class (EN 1822) H14 with filter surface 2.05 m²

Pre-separator D360 – dust class M + H + ATEX

No. 521813

- Dust class H acc. to EN 60335-2-69, separation of different dust types with all explosion level, including carcinogenic and pathogenic dust
- HEPA-filter, filter class (EN 1822) H14 with filter surface 2.05 m²
- Antistatic / ATEX Zone 22 marking II 3 D



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

Capacity (litres)	34
Weight (kg)	approx. 10
Dimensions L x W x H (mm)	387 x 288 x 775

SCOPE OF DELIVERY

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

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

Weight (kg)	approx. 7
Dimensions L x W x H (mm)	275 x 155 x 772

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 (ø x L)

HOSOKAWA ALPINE | 15

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 E11		
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	410576	410581	7	409309	409348
2800 µm	410577	410582	6	409310	409349
3150 µm	410578	410583	—	—	—
3350 µm	410579	410584	5	409311	409350
4000 µm	409153	409219	—	—	—

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 nickel 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	—

HOSOKAWA ALPINE | 17

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 A200 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 A200 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



➤ Acrylic glass cover

SIEVE HOLDER: COVER

**Acrylic glass cover type 200 for
»A200 LS test sieves«**

No. 009883

Suitable for test sieves of generation A200 LS

Acyl glass lid for off-brand test sieves

No. 439683

Suitable for non-Alpine test sieves

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: 0.01g
- Force-compensation measuring cell
- Internal calibration weight at the touch of a button
- Operation via touch screen

TECHNICAL SPECIFICATIONS

Connection (V, Hz)	100–240, 50/60
Weight (kg)	3.7
Dimensions L x W x H (mm)	319 x 200 x 100

SCOPE OF DELIVERY

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

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 (V, Hz)	100–240, 50/60
Weight (kg)	3.1
Dimensions L x W x H (mm)	359 x 214 x 95

SCOPE OF DELIVERY

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



HOSOKAWA ALPINE | 19

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 50 R

No. 429174 (220 – 240 V) | 441522 (115 – 120 V)

Professional cleaning for one test sieve

- Tried-and-tested ultrasonic system
- Reliable cleaning
- Simple handling
- LED indication of set time and remaining time

TECHNICAL SPECIFICATIONS

Ultrasonic frequency (kHz)	37
Power consumption (W)	150
Ultrasonic peak output max. (W)	600
Mains voltage (V)	220–240 / 115–120
Tank internal dimensions $\varnothing$ x H (mm)	240 x 140
Max. volume (litres)	6
Tank material	Stainless steel
Housing material	Stainless steel
Protection class	IP 20
Weight (kg)	5
Dimensions $\varnothing$ x H (mm)	304 x 335

SCOPE OF DELIVERY

- Operating manual
- Power cable

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



Ultrasonic cleaning device type Select 300

No. 548612 (220 – 240 V) | 548613 (115 – 120 V)

Professional cleaning of up to 5 test sieves

- Tried-and-tested ultrasonic system
- Reliable cleaning
- Simple handling
- 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)	220–240 / 115–120 / 50/60
Tank internal dimensions W x D x H (mm)	475 x 270 x 195
Max. volume (litres)	27.5
Tank material	Stainless steel
Housing material	Stainless steel
Liquid run-off	3/8"
Protection class	IP 20
Weight (kg)	12.2
Dimensions W x D x H (mm)	575 x 360 x 330

SCOPE OF DELIVERY

- Cover / drip tray
- Stainless steel basket
- Operating manual
- Power cable with rubber connector (2 m length)
- Hose connection grommet



➤ Ultrasonic cleaning device type Select 300



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 x 2500 (ø x L).

Disposal bag

No. 498757

10 to a package, 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

*Screw-cap jar for high-performance cyclone
GAZ 120 incl. screw cap*

No. 009968

*Spare hose for pre-separator and cyclone –
incl. sleeve*

No. 504028

Spare filter M for pre-separator D360

No. 521814

Spare filter M + ATEX for pre-separator D360

No. 521816

Spare filter M + H + ATEX for pre-separator D360

No. 521815

Carrier board for pre-separator D360

No. 521783

LABORATORY BALANCES

Spare Sartorius balance cable

No. 446526

For Sartorius balances.

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	Qualification documentation for e200 LS No. 496308	On-site training and qualification 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 (upon consultation) ➤ Assistance in the case of malfunctions outside the scheduled maintenance intervals ➤ Fastest possible response by rapid spare parts shipment ➤ Inspection of five test sieves	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) The above qualification templates are supplied without performance of the tests.	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

HOSOKAWA ALPINE | 25

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		
Dust extraction	Order no.	
High-performance industrial vacuum cleaner type L – 120 V, 60 Hz *	498759 *	
High Power vacuum cleaner DBFV – dust class H – 400 V, 50 Hz *	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 class M	521810	
Pre-separator D360 – dust class M + ATEX	521811	
Pre-separator D360 – dust class M + H	521812	
Pre-separator D360 – dust class M + H + ATEX	521813	
Peripheral units	Order no.	
Laboratory balance Sartorius Praxim® 1102-15 – 100-240 V	308073	
Laboratory balance Mettler Toledo ME 1002T – 100-240 V	414610	
Sieving	Order no.	
ALPINE micro-sieving unit (D) 76mm	424370	
Universal sieve adapter	Order no.	
Adapter for test sieves ø 200 mm »ALPINE A200 LS«/»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 »A200 LS 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 – 220-240 V	479174	
Ultrasonic cleaning unit, type S 50 R – 115-120 V	441522	
Test sieve holder for type S 50 R	437258	
Cover for S 50 R	429178	
Ultrasonic cleaning unit, type Select 300 – 220-240 V; 50/60 Hz	548612	
Ultrasonic cleaning unit, type Select 300 – 115-120 V; 50/60 Hz	548613	
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 M + ATEX for pre-separator D360	521816	
Spare filter M + H + ATEX for pre-separator D360	521815	
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 high-performance industrial vacuum cleaner, type L (230 V, 50/60 Hz) already included in the package. Unit price on request.

** Reduction of the price of the air jet sieve by the price of the in the package included high-performance industrial vacuum cleaner, type L (230 V, 50/60 Hz), increase by the price of the item Power contactor for eControl Lite, external vacuum cleaner.



**WE HAVE BEEN SETTING
STANDARDS FOR 120 YEARS.
YOU CAN COUNT ON OUR
TRACK RECORD!**

FIRST-RATE QUALITY – MADE IN GERMANY.

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HOSOKAWA ALPINE

Process technologies for tomorrow.

HOSOKAWA ALPINE AKTIENGESELLSCHAFT

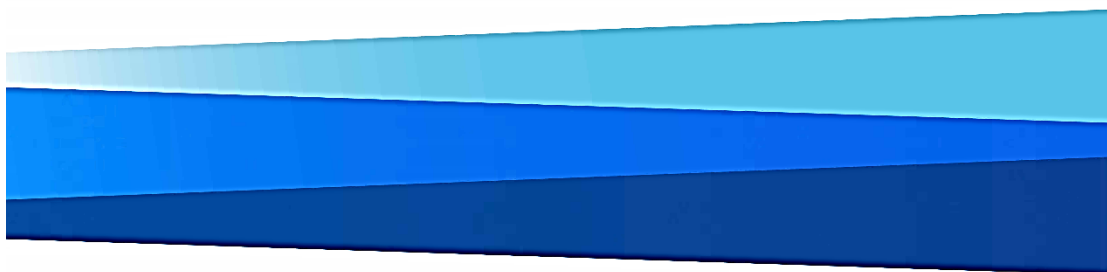
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Any questions? We will be pleased to answer them!



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Our quotations are authoritative with regard to orders.

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0061-EN-2022-05-Air_Jet_Sieve

IN THE NAME OF GOD

Purchase Contract

No.:

**Purchase of ALPINE Air Jet Sieve, Associated Auxiliaries and
Essential Spare Parts**

Between

SOUTH ALUMINUM COMPANY (SALCO)

&

Dated:

This Contract (hereinafter referred to as “Contract”) is made and entered into force on in Tehran by and between:

SOUTH ALUMINUM COMPANY (SALCO)

Address: No. 35, 13th St., Seyyed Jamaluddin Asadabadi Av., Tehran- Iran Postal Code: 1433673981

Tel: +982153745000

Fax: +982188720140

Email address: info@salcocomplex.com

Authorized signatories: Mr. Mehdi Zahmatkesh as Managing Director and Mr. Ali Abdollahnejad as Board member

Hereinafter referred to as “Buyer” in this Contract

And

.....
.....
.....

Hereinafter referred to as “Seller” in this Contract

The parties agree as follows:

1. CONTRACTUAL DEFINITIONS

The terms and expressions used in the contract are defined as follows. Any interpretation and implementation of the provisions of the contract, insofar as they relate to such terms, shall be based on this Article. The use of such terms in the singular or plural form, whether in the main text or the attachments to the contract, shall have the same meaning:

1.1. Buyer: Buyer means a party that purchases the products under the contract.

1.2. Seller: Seller means a party that sells the products in accordance with the contract.

1.3. Guarantee Provider: Guarantee Provider means a third party that provides guarantee on behalf of the seller under this contract.

1.4. Products: The term Products shall mean all items which the seller undertakes to deliver as the subject matter of the present contract. The products shall be as per the attachments which are integral parts of the contract.

1.5. Supervisory Body: Supervisory body means one of the Buyer’s deputies or organizational departments which is responsible for supervising, controlling, and coordinating all stages of the performance of the subject matter of the contract as well as approving the implementation of the related operations.

1.6. Technical Team: Technical Team means a team of qualified and authorized personnel appointed by the Buyer for the purpose of conducting technical inspection, testing, and verification of the conformity of the products.

1.7. SALCO Plant: SALCO Plant means the site of South Aluminum Corporation located in Lamerd city.

2. SCOPE OF THE CONTRACT

2.1. The subject matter of the contract is Purchase of ALPINE Air Jet Sieve, Associated Auxiliaries and Essential Spare Parts.

2.2. Seller shall supply the products as per the provisions of the contract. The guarantee provider shall submit the required guarantee as per the Article No. 16. The Buyer shall make payment under the Article No. 10 .

Note: The seller shall submit the original copies of all shipping documents to the buyer, including bill of lading (BL), certificate of origin, packing list, commercial invoice, and proforma invoice (PI).

3. QUANTITY

Items		QTY	Unit
1	Separator Ultrafine particle Air Jet output power... KW automatic Input Voltage 220...240 VAC With Software Package ULTIMATE Brand HOSOKAWAALPINE Model AIR JET SIEVE E200 LS	1	Device

2	Scale digital laboratory Brand Sartorius Practum1102-1S capacity 1.1 Kg Measurement accuracy 0.01 g Part Number 308073 (HOSOKAWA)	1	Device
3	Cyclone ALPINE Air Jet Sieve e200 LS- HOSOKAWA Part Number 408808	1	PCS
4	Mesh/Screen Sieve ASTM E11 MESH SIZE 38 µm size 203 mm ALPINE Air Jet Sieve e200 LS- HOSOKAWA Part Number 409279	4	PCS
5	Mesh/Screen Standard ASTM E11 MESH SIZE 75µm Size 203 mm ALPINE Air Jet Sieve e200 LS- HOSOKAWA Part Number 409284	4	PCS
6	Mesh/Screen standard ASTM E11 MESH SIZE150 µm Size 203 mm ALPINE Air Jet Sieve e200 LS HOSOKAWA Part Number 409289	4	PCS
7	Cover type 203 Material Acrylic glass ALPINE Air Jet Sieve e200 LS - HOSOKAWA Part Number 340463	2	PCS
8	Adaptor Sieve size 203 mm ALPINE Air Jet Sieve e200 LS - HOSOKAWA Part Number 396530	2	PCS
9	Hammer ALPINE Air Jet Sieve e200 LS- HOSOKAWA Part Number 009932	2	PCS
10	Brush With natural hair ALPINE Air Jet Sieve e200 LS - HOSOKAWA Part Number 328110	2	PCS
11	Bag woolen type L vacuum cleaner Valume 30 LApplication ALPINE Air Jet Sieve e200 LS- HOSOKAWA Part Number 498748	2	Package
12	Filter Plated vacuum cleaner Type L ALPINE Air Jet Sieve e200 LS - HOSOKAWA Part Number 498758	2	PCS
13	Bag Disposal Application type L vacuum cleaner ALPINE Air Jet Sieve e200 LS - HOSOKAWA Part Number 498757	1	Package
14	Hose type L vacuum cleaner ALPINE Air Jet Sieve e200 LS - HOSOKAWA Part Number 504034	2	PCS

4. QUALITY

As per the Annex III and description table of tender document.

5. PRICE

Unit price:

Total Price:

6. MANUFACTURER

HOSOKAWA ALPINE, as per the attachments which are integral parts of the contract.

Note: All Products shall only be supplied from HOSOKAWA ALPINE as the manufacturer. Otherwise, the Products shall be rejected by the buyer and the seller shall bear/compensate all related losses.

7. DELIVERY TERM

CFR Bandar Abbas, Iran, as per the incoterms 2020

8. DELIVERY TIME

All Products shall be delivered by the seller within 4 (four) months after contract conclusion

9. PACKING

Seller shall put the products in suitable box(s) or packing(s). The box(s) or packing(s) shall be well enough to protect the products against any damage during carriage or shipment.

Note: Seller shall be responsible for any damage or loss of products, due to inappropriate or improper packing.

10. TERMS OF PAYMENT

10.1. Payment Method: In cash to the seller 's Nominated Account.

10.2. Settlement Method: 100 % (one hundred percent) of Total Price of Contract shall be paid by the buyer after full delivery of Products by the seller and confirmation of the quantity, quality, and conformity of Products by the buyer.

Note 1: Payment of contract price shall be in USD, AED, and/or other foreign currencies, at SALCO 's choice. The base of exchange rates shall be XE.COM Websites 's exchange rate at the date of payment.

11. SUPERVISORY BODY

The supervisory body for this contract is the Commercial Procurement Deputy of the buyer. The seller shall perform contractual obligations as per this contract, under supervision of the supervisory body.

12. TRANSSHIPMENT&PARTIALSHIPMENT

Partial shipment and transshipment are allowed

13. INSPECTION

13.1. The Products will be inspected by the buyer or its nominated inspection company at the manufacturer's factory (in the country of origin). So, the seller/manufacturer should cooperate fully with the buyer or its nominated inspector. If after inspection(s), the quality of Products is not confirmed, the buyer can reject the products and the guarantee mentioned in the article No. 16. will be seized by the buyer. In this case, all related costs or losses shall be borne by the seller.

13.2. Buyer has the right to do inspection or nominate a third-party inspection company to carry out the inspection before delivery or after the delivery of the products. The seller shall fully cooperate with the buyer during the inspection process.

13.3 .The seller shall introduce its contact person for inspection arrangements .

13.4. Before shipment, the seller shall communicate with the buyer and ask him whether pre-shipment inspection is necessary or not .

13.5. The seller is obliged to take high resolution pictures of the products and send them to the buyer, before packing and shipment. After confirmation of the buyer, shipment will be allowed .

13.6. Final inspection will be carried out at SALCO Plant. The cargo will be rejected if the buyer's technical team does not provide confirmation.

14. NON-CONFORMITY

The seller undertakes to guarantee the quality of total products of the Contract and their conformity with the standard specifications and descriptions. All products must be new, original, high quality, standard, without any defect or damage. If during the inspection(s) or delivery, defects or non-conformities are observed in the delivered products, Buyer has the right to reject the defected, damaged, or nonconforming products to the seller. Accordingly, equivalent to the price of such rejected nonconforming products shall be deducted by the buyer from the total price of the contract and/or shall be withdrawn/collected by the buyer from the guarantee mentioned in the article No. 16.

15. TERMINATION

If at any time the seller fails to conduct and observe any of the contractual terms and conditions as well to comply with their obligations (especially in quality, quantity and delivery), the buyer has the right to terminate the contract unilaterally and seize the guarantee mentioned in Article No. 16, and/or claim through other legal means.

16. PERFORMANCE GUARANTEE

In order to ensure the good performance of the products, the seller shall provide the Buyer with a bank guarantee equal to 5 % (five percent) of the total price of the contract, in Iranian Rial, with a validity period of 4 (four) months. The amount of the mentioned bank guarantee shall be calculated, in Rial, and informed by Buyer. If the seller cannot provide the bank guarantee, 5 % (five percent) of Total Price of Contract shall be frozen by the buyer from the account(s) payable introduced by seller in SALCO, instead. The performance guarantee shall be released/refund by the buyer after full delivery of Products by Seller and confirmation of Buyer on quantity, quality, and conformity of Products. The performance guarantee shall be submitted/paid by the seller when Contract is signed and exchanged.

Note 1: If the seller fails to fulfill any of contractual obligations under this contract or delays in performing its obligations, the buyer is authorized by the guarantee provider and the seller to withdraw/collect the amount of the guarantee. The seller and the guarantee provider waive any right for objections or claims in this regard.

Note 2: The guarantee provider also guarantees the fulfillment of all of the seller's obligations under this contract and for this purpose, he provides the guarantee as per this article. In case the seller breaches any of contractual obligations, the guarantee provider shall be responsible for compensation. This guarantee shall not relieve the responsibilities of the seller for implementing of this contract. The guarantee provider shall be responsible for all contractual penalties or claims, jointly and severally.

17. PENALTY CLAUSE

17.1 .In case the seller delays in delivery of the product(s), as per the article No. 8 of the Contract, the seller shall pay 3 % (three percent) of the Total Price of the contract for each month of delay in delivery of the Products. The penalty (if any) shall be deducted by the buyer from Total Price of Contract and/or shall be withdrawn/collected by the buyer from the guarantee mentioned in the article No. 16 and/or the buyer can claim through other legal means .

17.2. The delay shall not be more than 2 (two) months. If the seller delays more than 2 (two) months or fails in delivery of the products, the buyer can terminate the contract unilaterally and seize the guarantee mentioned in Article No. 16, and/or claim through other legal means.

18. FORCE MAJEURE

Neither buyer nor seller shall be liable for delay or failure in performing all or any part of this contract, to the extent that it has been obstructed, due to cases of Force Majeure of any kind, including strikes, lockouts, floods, act of God, war, civil commotion and other causes, beyond the reasonable control of buyer or seller. Sanction and currency fluctuation are not included in force Majeure. In case force majeure happens, the buyer/seller should inform this matter in written not later than 3 (three) working days. Either party declaring Force Majeure shall promptly give documentary evidence such as a certificate from the chamber of commerce or any other competent authority proving the Force Majeure.

19. SETTLEMENT OF DISPUTES

All disputes or claims arising out of or in connection with this contract, including any question regarding its existence, validity, termination, breach or interpretation, shall be referred to and finally resolved by arbitration administered by the Arbitration Center of Iran Chamber (ACIC) in accordance with the Arbitration Rules of the Arbitration Center of Iran Chamber (ACIC Rules). This arbitration clause shall be treated as an agreement independent of this contract and shall in any case be binding.

20. GOVERNING LAW

This Contract shall be interpreted, enforced, governed by and construed in accordance with the laws of Islamic Republic of Iran.

21. WAIVERS

No amendment, modification or waiver of any provision of this Contract or of any right, power or remedy shall be effective unless made expressly and in writing, and acceptable by the parties to this contract.

22. CHANGE OF MANAGEMENT/OWNERSHIP

Any change in the Management, Ownership, or Leadership of the buyer or seller shall not affect this Contract or any of its provisions, rights or terms. No amendment, modification, change, or waiver in this Contract is allowed by new Management, Ownership or Leadership in Buyer or Seller, unless through mutual agreement.

23. NUMBER OF COPIES

The contract is written and signed with 23 (twenty-three) Articles and .. (...) attachments, in .. (...) pages, and in 3 (three) copies with the same validity.

For SOUTH ALUMINUM COMPANY (SALCO)	
Mr. Mehdi Zahmatkesh Managing Director	
Mr. Ali Abdollahnejad Board Member	
For	
.....	