Rotary Sieve Hopper

Customer Product Manual Part 317213D

Issued 12/11

For parts and technical support, call the Finishing Customer Support Center at (800) 433-9319.

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Contact Us

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DECLARATION of CONFORMITY

PRODUCT: Rotary Sieve

This is a Rotary Sieve used for separating powder particles and removing the fines which do not charge well and become scrap.

APPLICABLE DIRECTIVES:

2006/42/EC - Machinery Directive 94/9/EC - ATEX Directive

STANDARDS USED TO VERIFY COMPLIANCE:

EN1127 EN13463-1 EN13463-5



Milotamousie

Mike Hansinger Manager Engineering Development Industrial Coating Systems Date: 12th December 2011

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Europe

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Denmark	Hot Melt	45-43-66 0123	45-43-64 1101	
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Finland		358-9-530 8080	358-9-530 80850	
France		33-1-6412 1400	33-1-6412 1401	
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Kingdom Industrial Coating Systems		44-161-498 1500	44-161-498 1501	

Distributors in Eastern & Southern Europe

DED, Germany	49-211-92050	49-211-254 658
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Outside Europe / Hors d'Europe / Fuera de Europa

- For your nearest Nordson office outside Europe, contact the Nordson offices below for detailed information.
- Pour toutes informations sur représentations de Nordson dans votre pays, veuillez contacter l'un de bureaux ci-dessous.
- Para obtener la dirección de la oficina correspondiente, por favor diríjase a unas de las oficinas principales que siguen abajo.

Contact Nordson	Phone	Fax
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Africa / Middle East

DED, Germany	49-211-92050	49-211-254 658
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Asia / Australia / Latin America

Pacific South Division,	1-440-685-4797	-
USA		

Japan

North America

Canada		1-905-475 6730	1-905-475 8821
USA	Hot Melt	1-770-497 3400	1-770-497 3500
	Finishing	1-880-433 9319	1-888-229 4580
	Nordson UV	1-440-985 4592	1-440-985 4593

Section 1 Safety

Introduction

Read and follow these safety instructions. Task- and equipment-specific warnings, cautions, and instructions are included in equipment documentation where appropriate.

Make sure all equipment documentation, including these instructions, is accessible to all persons operating or servicing equipment.

Qualified Personnel

Equipment owners are responsible for making sure that Nordson equipment is installed, operated, and serviced by qualified personnel. Qualified personnel are those employees or contractors who are trained to safely perform their assigned tasks. They are familiar with all relevant safety rules and regulations and are physically capable of performing their assigned tasks.

Intended Use

Use of Nordson equipment in ways other than those described in the documentation supplied with the equipment may result in injury to persons or damage to property.

Some examples of unintended use of equipment include

- using incompatible materials
- making unauthorized modifications
- · removing or bypassing safety guards or interlocks
- using incompatible or damaged parts
- using unapproved auxiliary equipment
- operating equipment in excess of maximum ratings

Regulations and Approvals

Make sure all equipment is rated and approved for the environment in which it is used. Any approvals obtained for Nordson equipment will be voided if instructions for installation, operation, and service are not followed.

All phases of equipment installation must comply with all federal, state, and local codes.

Personal Safety

To prevent injury follow these instructions.

- Do not operate or service equipment unless you are qualified.
- Do not operate equipment unless safety guards, doors, or covers are intact and automatic interlocks are operating properly. Do not bypass or disarm any safety devices.
- Keep clear of moving equipment. Before adjusting or servicing any moving equipment, shut off the power supply and wait until the equipment comes to a complete stop. Lock out power and secure the equipment to prevent unexpected movement.
- Relieve (bleed off) hydraulic and pneumatic pressure before adjusting or servicing pressurized systems or components. Disconnect, lock out, and tag switches before servicing electrical equipment.
- Obtain and read Material Safety Data Sheets (MSDS) for all materials used. Follow the manufacturer's instructions for safe handling and use of materials, and use recommended personal protection devices.
- To prevent injury, be aware of less-obvious dangers in the workplace that often cannot be completely eliminated, such as hot surfaces, sharp edges, energized electrical circuits, and moving parts that cannot be enclosed or otherwise guarded for practical reasons.

Fire Safety

To avoid a fire or explosion, follow these instructions.

- Do not smoke, weld, grind, or use open flames where flammable materials are being used or stored.
- Provide adequate ventilation to prevent dangerous concentrations of volatile materials or vapors. Refer to local codes or your material MSDS for guidance.
- Do not disconnect live electrical circuits while working with flammable materials. Shut off power at a disconnect switch first to prevent sparking.

- Know where emergency stop buttons, shutoff valves, and fire extinguishers are located. If a fire starts in a spray booth, immediately shut off the spray system and exhaust fans.
- Clean, maintain, test, and repair equipment according to the instructions in your equipment documentation.
- Use only replacement parts that are designed for use with original equipment. Contact your Nordson representative for parts information and advice.

Grounding



WARNING: Operating faulty electrostatic equipment is hazardous and can cause electrocution, fire, or explosion. Make resistance checks part of your periodic maintenance program. If you receive even a slight electrical shock or notice static sparking or arcing, shut down all electrical or electrostatic equipment immediately. Do not restart the equipment until the problem has been identified and corrected.

Grounding inside and around the booth openings must comply with NFPA requirements for Class 2, Division 1 or 2 Hazardous Locations. Refer to NFPA 33, NFPA 70 (NEC articles 500, 502, and 516), and NFPA 77, latest conditions.

- All electrically conductive objects in the spray areas shall be electrically connected to ground with a resistance of not more than 1 megohm as measured with an instrument that applies at least 500 volts to the circuit being evaluated.
- Equipment to be grounded includes, but is not limited to, the floor of the spray area, operator platforms, hoppers, photoeye supports, and blow-off nozzles. Personnel working in the spray area must be grounded.
- There is a possible ignition potential from the charged human body. Personnel standing on a painted surface, such as an operator platform, or wearing non-conductive shoes, are not grounded. Personnel must wear shoes with conductive soles or use a ground strap to maintain a connection to ground when working with or around electrostatic equipment.
- Operators must maintain skin-to-handle contact between their hand and the gun handle to prevent shocks while operating manual electrostatic spray guns. If gloves must be worn, cut away the palm or fingers, wear electrically conductive gloves, or wear a grounding strap connected to the gun handle or other true earth ground.
- Shut off electrostatic power supplies and ground gun electrodes before making adjustments or cleaning powder spray guns.
- Connect all disconnected equipment, ground cables, and wires after servicing equipment.

Action in the Event of a Malfunction

If a system or any equipment in a system malfunctions, shut off the system immediately and perform the following steps:

- Disconnect and lock out electrical power. Close pneumatic shutoff valves and relieve pressures.
- Identify the reason for the malfunction and correct it before restarting the equipment.

Disposal

Dispose of equipment and materials used in operation and servicing according to local codes.

Section 2 Description



Intended Use

The Nordson Rotary Sieve Hopper is designed for incorporation into powder recycling systems to receive powder from recovered or virgin sources and condition the powder by forced sieveing. The hopper can accept syphon tubes for powder spray guns.

Unintended use

Other uses of this equipment not described above are considered unintended uses and are not according to governing regulations.

Residual Risks

Nordson is not aware of any specific residual risks regarding this equipment, however the user should pay attention to the general safety section and the specific safety warnings contained in this manual.

Features

Purpose designed for the recovery of organic powder coating materials, the sieve incorporates a feed hopper eliminating the need for interconnecting hoses.

Material from either recovered or virgin sources enters through a separator and feeds into the sieve through a scroll, particles suitable for reuse pass through the sieve mesh into a fluidised bed hopper, unusable material is passed into a waste container for disposal.

The Rotary Sieve Hopper is made from powder coated Mild Steel. There is a large access cover allowing the inspection and loading of the coating material, the cover is electrically interlocked to the operation of the sieve.

An AC motor drives the sieve paddle indirectly, powder is retained in the Rotary Sieve Hopper by utilising seals at both ends of the shaft.

Two sieve screens mounted on a carrier, can be quickly changed in case of screen damage by removal of one end of the sieve. The screens are available in a range of mesh sizes to cater for the customer requirements for the quality of the recycled material.

Section 3 Installation



WARNING: Allow only qualified personnel to perform the following tasks. Follow the safety instructions in this document and all other related documentation.

Transport

Transport the unit so as to avoid damage. Use suitable packaging materials and sturdy cartons. Protect the unit from exposure to humidity, dust and vibrations.

Unpacking

Carefully unpack the unit to avoid damaging it. Check for damage caused during transport.

Save packing materials for possible later use. Otherwise recycle or dispose of properly according to local regulations.

Removing

Switch off the mains supply, then disconnect all electrical connections from the unit.

Storage

Switch off the mains supply, then disconnect all electrical connections from the unit.

Disposal

Dispose of properly according to local regulations.

Setting Up the Unit

NOTE: Ensure that on completion of installation the sieve barrel is horizontal.

- 1. All Rotary Sieves are provided pre drilled to take a standard Nordson Pump Mount (28mm dia) on the sloping face of the hopper. On the single pump mount sieves, there is a maximum of 15 holes and on the double pump mounts, there is a maximum of 30 holes. Fit the pump mounts according to the manufacturers instructions and fit the syphon tubes so that the bottom of the tube is between 50 and 100 mm from the fluid bed.
- 2. Connect the output vent to either a Nordson type M4 recovery module, or using the optional vent adaptor kit, connect the vents to a suitable connection within the recovery system. Please consult with your nearest Nordson service centre for assistance in this matter.
- Connect the separator inputs to the Nordson Transfer pumps, or other pumps, at either the source of the recovered powder or at the source of the virgin powder. Ensure any unused inlets are fitted with a blanking cap.
- 4. If using a Nordson Level Control system remove the blanking plate and fit the level probe according to the product manual.

Electrical



WARNING: Allow only qualified personnel to perform the following tasks. Follow the safety instructions in this document and all other related documentation.

- 1. Connect the motor and the access panel switch according to the circuit details shown in section 8.
- 2. Ensure that all electrical connections are tested in accordance with governing regulations before applying powder to the Rotary Sieve Hopper.

Pneumatic

1. Fit a regulated air supply to the fluid bed. A minimum of two 6mm o/d hoses should be used.

Section 4 Operation



WARNING: Allow only qualified personnel to perform the following tasks. Follow the safety instructions in this document and all other related documentation.

Initial Startup

- 1. Check the air supply at the fluid bed.
- 2. Check the setting of the motor overload in the control panel.
- 3. Noting the direction the arrow points on the pulley cover, remove the cover. Check that it is safe to start the sieve. Start and immediately stop the motor and ensure that the rotation is according to the arrow shown on the end cover.
- 4. Start up the re-cycle system including the sieve according to the instructions for each equipment, ensure that there are no leaks of powder from the transfer hoses. Leave to run for about one minute and stop the system. Open the access door and check that the powder is being sieved correctly.
- 5. Once a reasonable amount of powder has entered the hopper adjust the fluid bed air to give a gentle bubbling of the surface. It is recommended that the fluid bed air supply is maintained at all times to ensure that the material keeps in good condition.

NOTE: The best sieving action occurs when powder is fed to the hopper at a constant rate, this is particularly important for fine sieving. Overfeeding or surges in the supply will cause excessive wear on the screens or a higher rejection rate of powder into the waste collector.

Daily Operation

The sieve is designed to stop and start automatically with the powder spray booth and its recycle system. Virgin powder can be introduced from a Nordson virgin feed system through the separator or it can be emptied from the box directly through the access door. Ensure that the machine is switched off at the control panel and is left to rest for one minute before opening the access door.



WARNING: Breathing in certain airborne dusts (including finishing powders) may be hazardous to health. Ask the powder manufacturer for a Material Safety Data Sheet (MSDS) for information. Use appropriate respiratory protection.

Section 5 Maintenance



WARNING: Allow only qualified personnel to perform the following tasks. Follow the safety instructions in this document and all other related documentation.

Daily Maintenance

- 1. Check the sieve screen for damage and correct tension.
- 2. Empty the waste bucket as required.
- 3. Check fluidisation of material in the hopper.
- 4. Clean the exterior of the sieve.
- 5. Verify the system is grounded

Yearly Maintenance

- 1. Grease the sealed bearings, adding new grease ejects the old grease while still maintaining the seal.
- 2. Check the tension of the motor drive belts.
- 3. Grease the motor bearings.
- 4. Check screens replace as necessary, note it is better to regularly replace the screen than have one wear out during operation.

Screen Replacement

- 1. It is important that the sieve screen is correctly tensioned. Nordson can supply a sieve tensioning tool for this purpose that applies lateral tension to the cord in the circumference of one end of each hose.
- 2. The correct sieve tension varies with mesh size, finer meshes requiring less tension, the tension must always keep the mesh firm but not overtight.
- 3. After some running it may be necessary to re-tension the mesh due to relaxing of the mesh.

Removal of Sieve Basket

- 1. To remove the sieve basket first release the three star knobs at the waste collector end of the sieve.
- 2. Remove the complete end of the sieve by pulling axially away from the sieve, ensure that the shaft is supported as it is released from the bearings to prevent damage.
- 3. Remove the sieve basket from the sieve through the end of the casing.

Removing Existing Sieve Screens

- 1. Release the four securing clips.
- 2. Remove and dispose of the old screens.

Fitting New Sieve Screens

- 1. Examine the replacement hoses for any transport or storage damage before fitting.
- 2. Place the end of the sieve screen without the cord around it onto the centre part of the sieve basket.
- 3. Secure the sieve screen to the basket noting the following, first make sure that the other end of the sieve screen when fitted over the basket has sufficient area for the second clip to rest on, second that the material strips that run the length of the screen mesh are positioned under a stay of the basket.
- 4. Pass the second clip over the sieve screen and fit the hose over the outer part of the basket.
- 5. Remove the three arms of the sieve tensioning tool.
- 6. Place the tensioning tool centrally over the end of the basket.
- 7. Refit the arms of the tension tool so that each one is located under the cord of the sieve screen.
- 8. Turn the central adjusting screw to increase the tension on the sieve screen.



WARNING: The tensioning tool is made for a range of mesh sizes and care must be taken not to overstretch the finer meshes. New sieve screen should be tensioned without overstraining. Too much tension will distort nylon meshes.

- When the correct tension is achieved place the sieve screen clips against the arms of the tensioning tools and tighten to hold the mesh in place.
- 10. Release the tension on the tensioning tool and remove the arms.
- 11. Repeat the process for the second sieve screen.

Replacing Fluid Bed

- 1. If the fluid bed should become damaged, usually to contaminations in the air supply replace the fluid bed as follows.
- 2. Clean the hopper, removing all powder.



WARNING: The tensioning tool is made for a range of mesh sizes and care must be taken not to overstretch the finer meshes. New sieve screen should be tensioned without overstraining. Too much tension will distort nylon meshes.

- 3. Remove all the fixing screws from the base of the hopper.
- 4. Using a lever, separate the upper part from the fluid bed and plenum.
- 5. Using two people lift off the upper part of the sieve.
- 6. Remove the fluid bed from the plenum and dispose of.
- 7. Clean the plenum and hopper surfaces of any remaining sealant.
- 8. Check the fitting of the new fluidising plate. Check the alignment of the fixing holes, if necessary drill holes to suit.

NOTE: The fluidising plate is fitted smooth side uppermost.

9. The fluidising plate is sealed using an acrylic sealant. On the plenum run a bead of sealant around the inside of the fixing holes on both sides. Place the fluidplate smooth side uppermost on the plenum. Run a second bead of sealant around the inside of the fixing holes on the upper side of the fluid plate.

NOTE: Do not use a silicon based sealant.

- 10. Using two persons lift the sieve onto the plenum aligning the fixing holes. Secure with the fixing bolts, but do not overtighten them as this may damage the fluid plate.
- 11. Remove any excess sealant.

Section 6 Troubleshooting



WARNING: Allow only qualified personnel to perform the following tasks. Follow the safety instructions in this document and all other related documentation.

Trouble Shooting Guide

This section contains troubleshooting procedures. These procedures cover only the most common problems that you may encounter. If you cannot solve the problem with the information given here, contact your local Nordson representative for help.

Problem	Possible Cause	Corrective Action
Short Screen life	Metal swarf in system	Clean recycle system
	Screen tension too great or too slack	Tension correctly
Screen tension too great or too slack	Blind screen, that is holes in mesh are blocked	Replace screen
	Erratic overfeeding	Adjust recycle system
	Air leak on waste bucket	Replace waste bucket seals
	Incorrect screen tension	Set screen tension correctly
	Incorrect screen mesh size	Check mesh size against recycle requirements, change mesh size
Oversize material in	Screen damaged	Replace screens
hopper	Basket seals failed	Replace seals
	Waste bucket full	Empty more frequently
	Screen mesh size too large	Check mesh size against recycle requirements, change mesh size
Sieve Stops	Overload operated	Check overload settings and ambient temperature
		Check paddle is free to rotate
	Access door interlock operated	Check operation of access door interlock

Section 7 Parts

Introduction

To order parts, call the Nordson Customer Service Center or your local Nordson representative. Use this five-column parts list, and the accompanying illustration, to describe and locate parts correctly.

Using the Illustrated Parts List

Numbers in the Item column correspond to numbers that identify parts in illustrations following each parts list. The code NS (not shown) indicates that a listed part is not illustrated. A dash (—) is used when the part number applies to all parts in the illustration.

The number in the Part column is the Nordson Corporation part number. A series of dashes in this column (- - - - -) means the part cannot be ordered separately.

The Description column gives the part name, as well as its dimensions and other characteristics when appropriate. Indentions show the relationships between assemblies, subassemblies, and parts.

- If you order the assembly, items 1 and 2 will be included.
- If you order item 1, item 2 will be included.
- If you order item 2, you will receive item 2 only.

The number in the Quantity column is the quantity required per unit, assembly, or subassembly. The code AR (As Required) is used if the part number is a bulk item ordered in quantities or if the quantity per assembly depends on the product version or model.

Letters in the Note column refer to notes at the end of each parts list. Notes contain important information about usage and ordering. Special attention should be given to notes.

ltem	Part	Description	Quantity	Note
—	0000000	Assembly	1	
1	000000	Subassembly	2	A
2	000000	• • Part	1	

Parts List

Front Elevation



Figure 7-1 Front Elevation

ltem	Part	Description	Quantity	Note
1	-	20-25MM JUBILEE CLIP; CYCLONE	AR	
2	-	INLET CAP-PVC	AR	
3	-	8-INLET SEPERATOR; CYCLONE	AR	

ltem	Part	Description	Quantity	Note
4	767320	HANDLE,HOPPER	AR	
5	765440	SWITCH,CAM SAFE,END OPERATE	AR	
6	768201	FITTING, DISTRIB, 1/4BSPM-2X6MM(PI)	AR	
7	765406	BUCKET,WASTE,ROTARY SIEVE H200	AR	
8	765409	COVER, PULLEY, ROTARY SIEVE H200	AR	
9	769924	ARROW, DIRECTION	AR	
10	765410	FLUID BED,R/SIEVE,720*540MM/5mm	AR	
11	765427	GASKET, VENT	AR	
12	769509	KNOB,STAR,M10	AR	
13	767140	FASTNER,ST/ST,PROTEX	AR	
NS	765413	PLATE, BLANK, LEVEL PROBE, R/S H200	AR	NS
NS	769410	NUT,M4,BZP	AR	NS
NS	769646	SCREW,M6x12,POSI PAN HD,CHROME	AR	NS
NS	769413	WASHER,SPRING,M4,BZP	AR	NS
NS	769442	WASHER,PLAIN,M8,BZP	AR	NS
NS	769440	NUT,M8,BZP	AR	NS
NS	769666	SCREW,M8x20,HEX HD,BZP	AR	NS
NS	769614	SCREW,M4x10,POSI PAN HD,BZP	AR	NS
NS	769462	WASHER,PLAIN,M12,BZP	AR	NS
NS	769451	NUT,M10,NYLOC,BZP	AR	NS
NS	769680	SCREW,M10x20,HEX HD,BZP	AR	NS
NS	769421	NUT,M5,NYLOC,BZP	AR	NS
NS	765417	MOTOR, 1.5KW, 3 PH, 4 POLE, 380/415V	AR	NS
NS	765430	SEAL,ROT SIEVE HOPPER,GASKET	AR	NS
NS	765426	GASKET, ROTARY SIEVE HOPPER	AR	NS
NS	769663	SCREW,M8x15,HEX HD,BZP	AR	NS
NS	765416	RING.SPACER, ROTARY SIEVE H200	AR	NS
NS	765411	LID,ROTARY SIEVE H200	AR	NS
NS	765408	COVER, FRONT, ROTARY SIEVE H200	AR	NS
NS	765415	PLENUM, ROTARY SIEVE H200	AR	NS
NS	765452	BODY,HOPPER,DOUBLE,R/SIEVE H200	AR	NS
NS	765459	PACKING CASE, ROTARY SIEVE	AR	NS
NS	769923	LABEL,WARNING	AR	NS
NS	769750	OBS: BOLT,M10x40 HEX HD,BZP	AR	NS
NS	769902	LABEL,CE,H200 ROTARY SIEVE	AR	NS
NS	769116	CABLE,SY, 6 CORE + E,1.0MM2,/MTR	AR	NS
NS	769131	GLAND,10 WAY CONNECTOR	AR	NS
NS	769023	CONNECTOR, HOOD, 10 WAY, SIDE ENTRY	AR	NS
NS	769027	CONNECTOR, INSERT, 10 WAY, MALE	AR	NS
NS	769026	CONNECTOR, INSERT, 10 WAY, FEMALE	AR	NS
NS	769025	CONNECTOR, HOUSING, 10 WAY, REAR ENT	AR	NS
NS	768251	TUBING,POLY,6MM OD,BLUE,/MTR	AR	NS
NS	769000	ENCLOSURE, TERMINAL, PLASTIC	AR	NS
NS	769132	GLAND, CABLE, 4-7MM	AR	NS
NS	769112	CABLE,SY, 3 CORE + E,1.5MM2,/MTR	AR	NS
NS	769107	CABLE,3183Y,3 CORE,0.75MM2,BK,/MT	AR	NS
NS	768223	FITTING,Q/D,MALE,1/8BSP-6MM	AR	NS
NS	768222	FITTING,Q/D,FEMALE,1/8BSP-6MM	AR	NS
NS	769133	GLAND, CABLE 8-13MM	AR	NS
NS	767215	SEAL,SIDE,SML,KNOCK-ON,MTR	AR	NS
NS	769453	WASHER,SPRING,M10,BZP	AR	NS

ltem	Part	Description	Quantity	Note
NS	769751	BOLT,M10x50,HEX HD,BZP	AR	NS
NS	765418	PLATE, MOTOR MOUNTING, R/SIEVE H200	AR	NS
NS	769752	BOLT,M10x60,HEX HD,BZP	AR	NS
NS	769422	WASHER,PLAIN,M5,BZP	AR	NS
NS	767205	SEAL,1/4 IN.X1/2 IN.,/MTR	AR	NS
NS	768900	SENSOR, PROXIMITY, MULTI-VOLTAGE, RE	AR	NS
NS: Not Show	'n		•	
AR: As Requi	red			

Cross Sectional View - Metric



Figure 7-2 Cross Sectional View

ltem	Part	Description	Quantity	Note
1	765490	SHAFT,ROT SIEVE,ST/ST,30MM DIA,IT,METRIC	1	
2	765491	SEAL CARRIER, ALUM, ROT SIEVE, IT, METRIC	2	
3	765492	WASHER, BRZ, 30MM DIA, ROT SIEVE, IT, METRIC	1	
4	765493	SCREW PADDLE ASSY,ROT SIEVE,IT,METRIC	1	
5	765494	BEARING AND HOUSING,ROT SIEVE,IT,METRIC	2	
6	765495	GASKET DIA. 30MM FOR IT ROTARY SIEVE	4	
7	765407	CARRIER,SCREEN,ROT SIEVE H200	1	
8	768207	FITTING, AIR, 90°, 6MM X 1/8 BSPM	2	
9	765423	PULLEY, SIEVE, ROTARY SIEVE HOPPER	1	
NS	765419	PULLEY,MOTOR,ROTARY SIEVE HOPPER	1	requires item 765420
10	765422	BELT,V,ROTARY SIEVE HOPPER	2	
11	-	TAPER LOCK BUSHING	1	
12	765448	SCREEN,300M,MIDI ROTARY,A/S-PAIR	AR	
12	765446	SCREEN,145M,MIDI ROTARY,A/S-PAIR	AR	
13	765425	CLIP,HOSE,SIEVE BASKET	AR	
14	765428	KEY,ROTARY SIEVE HOPPER	AR	
AR: As Requi	red	·		
NS: Not Show	'n			

Cross Sectional View - Imperial

ltem	Part	Description	Quantity	Note
1	765439	SHAFT,ROTARY SIEVE H200	1	
2	765429	SEAL, CARRIER, ROTARY SIEVE H200, IMPERIAL	2	
3	765441	WASHER, SPACER, ROTARY SIEVE HOPPER	1	
4	765412	PADDLE & SCREW, ROTARY SIEVE, IMPERIAL	1	
5	765424	BEARING+HOUSING,R/SIEVE,IMPERIAL	2	
6	765426	GASKET, ROTARY SIEVE HOPPER	4	
7	765407	CARRIER, SCREEN, ROT SIEVE H200, IMPERIAL	1	
8	768207	FITTING, AIR, 90°, 6MM X 1/8 BSPM	2	
9	765423	PULLEY, SIEVE, ROTARY SIEVE HOPPER	1	
NS	765419	PULLEY,MOTOR,ROTARY SIEVE HOPPER	1	requires item 765420
10	765422	BELT,V,ROTARY SIEVE HOPPER	2	
11	765421	BUSH,T/LOCK,SIEVE,R/SIEVE HOPPER	1	
12	765448	SCREEN,145M,MIDI ROTARY,A/S-PAIR	AR	
12	765446	SCREEN,145M,MIDI ROTARY,A/S-PAIR	AR	
13	765425	CLIP,HOSE,SIEVE BASKET	AR	
14	765428	KEY,ROTARY SIEVE HOPPER	AR	
AR: As Requi	red	·		
NS: Not Show	/n			

NOTE: See Figure 7-2.

Section 8 Specifications

Electrical

Voltage	400 Volts
Power	1.5 kW
Frequency	50 Hz
Current	3.6 A

Other motors can be fitted on request.

Noise

Less than 70 dB(A) measured at a distance of 1 m from the surface of the unit and at a height of 1.6 m.

Pneumatic

The air supply shall be either 2 degrees Dewpoint oil free or Clean and dry filtered to 5 degrees at a maximum pressure of 4 bar.

Each air seal requires a regulated supply of 2m3/hr at 1 bar.

The fluid bed requires 22 m3/hr at 2 bar, regulated supply. It is recommended that 2 of 4 mm id or one of 6 mm id hose supply is used.

Dimensions and Weight

Double Pump Mount





Weight: 135Kgs





Circuit Schematic





Section 9 Accessories

Magnetic Seperator





ltem	Part	Description	Quantity	Note
-	765468	Magnetic Seperator Assembly, 14 Inlet:	AR	
1	765455	Fabrication, Magnetic Seperator	1	
2	765457	Magnetic Assembly	1	
3	767140	Latch, St/sT	2	
4	767162	Latch, St/St	2	
5	769205	Seal	-	
6	767332	Plugs, Blanking	14	
7	769514	Clips, Jubilee	14	
8	766617	Spigot, 50mm Outlet	1	

Castor Kit



ltem	Part	Description	Quantity	Note
-	765401	Castor Kit Assembly:	AR	
1	765402	Fabrication, Castor Kit	1	
2	765403	Castors	1	
3	765404	Castors, Brake	1	

Vent Adapter



ltem	Part	Description	Quantity	Note
-	765435	Vent Adapter	AR	