

## DATA SHEET

# Digital Air Jet Sieve Shaker



Digital air jet sieve shaker 15-D0413/A with vacuum generator (aspirator) 15-D0413/A1 and dedicate sieves

## General description

The Digital Air Jet Sieve is ideal for determining size distribution of fine particles from 5 microns to 4 mm. The highly efficient and fast sieving action is achieved by creating a pressure difference across the sieve.

The apparatus allows complete customisation of test processes including pressure, nozzle speed and test duration, all shown on the LCD display. Specifically, for the cement industry, the digital air jet sieve has pre-set test standards that guide the user through sieving stages. After each cycle the mass is entered and calculated to determine if sieving needs to be repeated, progressed the next sieve aperture size, or finished. Upon completion a test report is generated and can be exported to PC or printed using serial connection.

The machine is supplied complete with plexiglass cover.

Dedicate sieves 25 mm height, vacuum unit, filter cartridge and bags are available as accessories.

The machine features an integrated pressure transducer and a manual regulation valve to adjust the pressure difference in a range of 1.0 – 9.9 kPa (depending on the vacuum unit). Vacuum unit 15-D0413/A1 provides pressure difference up to 6.5 kPa exceeding Standards requirements.

As for sieves, view the codes in the "technical specifications" table. Our sieves are 200mm Dia. x 25, Height.

## Main features

- Vacuum range exceeding Standards requirements
- Adjustable nozzle speed from 5 to 70 rpm to optimize sieving procedure
- Wide 128x80 pixels high resolution graphic display with 6 key membrane keyboard
- Double operating modes: quick start and pre-set test modes
- Testing procedure that guides the user through sieving stages according International Standards
- Customisable test parameters for all test modes
- Fully customizable test procedure to cover specific client's needs
- Extreme flexibility with adjustable nozzle speed, pressure and test duration, all shown on the digital display
- Test reports can be generated and exported to PC or printer via serial connection

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### Standards

- EN 196-6
- EN 933-10

### Specifications

Sieving range: 5um – 4000um

Type of sieving: dry

Sieving action: vacuum

Max number of sieves: 1

Sieve capacity: 200 mm & 4" (203 mm) diameter

Digital display: 128x80 pixel LCD with easy to operate keyboard

Vacuum control range (pressure differential): adjustable 1.0 to 9.9 kPa (10 to 99 mBar)

Timer: 0-99 minutes

Adjustable nozzle speed: 5 – 70 rpm

#### **EN 933-10 and EN 196-6 AIR JET TEST SIEVES**

<b>Nylon cloth mesh type</b>	
<b>Code</b>	<b>Description</b>
15-D0413/005	200 mm dia EN sieve op. 5 micr
15-D0413/010	200 mm dia EN sieve op. 10 micr
15-D0413/015	200 mm dia EN sieve op. 15 micr
15-D0413/020	200 mm dia EN sieve op. 20 micr
15-D0413/025	200 mm dia EN sieve op. 25 micr
15-D0413/028	200 mm dia EN sieve op. 28 micr
15-D0413/030	200 mm dia EN sieve op. 30 micr
<b>Stainless steel mesh type</b>	
<b>Code</b>	<b>Description</b>
15-D0413/040	200 mm dia EN sieve op. 40 micr
15-D0413/050	200 mm dia EN sieve op. 50 micr
15-D0413/053	200 mm dia EN sieve op. 53 micr
<b>15-D0413/063*</b>	200 mm dia EN sieve op. 63 micr

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15-D0413/071	200 mm dia EN sieve op. 71 micr
15-D0413/075	200 mm dia EN sieve op. 75 micr
15-D0413/080	200 mm dia EN sieve op. 80 micr
<b>15-D0413/090*</b>	<b>200 mm dia EN sieve op. 90 micr</b>
15-D0413/100	200 mm dia EN sieve op. 100 micr
15-D0413/106	200 mm dia EN sieve op. 106 micr
15-D0413/112	200 mm dia EN sieve op. 112 micr
<b>15-D0413/125*</b>	<b>200 mm dia EN sieve op. 125 micr</b>
15-D0413/140	200 mm dia EN sieve op. 140 micr
15-D0413/150	200 mm dia EN sieve op. 150 micr
15-D0413/160	200 mm dia EN sieve op. 160 micr
15-D0413/180	200 mm dia EN sieve op. 180 micr
15-D0413/200	200 mm dia EN sieve op. 200 micr
15-D0413/212	200 mm dia EN sieve op. 212 micr
15-D0413/224	200 mm dia EN sieve op. 224 micr
15-D0413/250	200 mm dia EN sieve op. 250 micr
15-D0413/280	200 mm dia EN sieve op. 280 micr
15-D0413/300	200 mm dia EN sieve op. 300 micr
15-D0413/315	200 mm dia EN sieve op. 315 micr
15-D0413/355	200 mm dia EN sieve op. 355 micr
15-D0413/400	200 mm dia EN sieve op. 400 micr
15-D0413/425	200 mm dia EN sieve op. 425 micr
15-D0413/450	200 mm dia EN sieve op. 450 micr
15-D0413/500	200 mm dia EN sieve op. 500 micr
15-D0413/560	200 mm dia EN sieve op. 560 micr
15-D0413/600	200 mm dia EN sieve op. 600 micr
15-D0413/630	200 mm dia EN sieve op. 630 micr

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15-D0413/710	200 mm dia EN sieve op. 710 micr
15-D0413/800	200 mm dia EN sieve op. 800 micr
15-D0413/850	200 mm dia EN sieve op. 850 micr
15-D0413/900	200 mm dia EN sieve op. 900 micr
15-D0413/1000	200 mm dia EN sieve op. 1 mm
15-D0413/1120	200 mm dia EN sieve op. 1,12 mm
15-D0413/1180	200 mm dia EN sieve op. 1,18 mm
15-D0413/1250	200 mm dia EN sieve op. 1,25 mm
15-D0413/1400	200 mm dia EN sieve op. 1,40 mm
15-D0413/1600	200 mm dia EN sieve op. 1,60 mm
15-D0413/1700	200 mm dia EN sieve op. 1,70 mm
15-D0413/1800	200 mm dia EN sieve op. 1,80 mm
<b>15-D0413/2000*</b>	<b>200 mm dia EN sieve op. 2,00 mm</b>
15-D0413/2240	200 mm dia EN sieve op. 2,40 mm
15-D0413/2360	200 mm dia EN sieve op. 2,36 mm
15-D0413/2500	200 mm dia EN sieve op. 2,50 mm
15-D0413/2800	200 mm dia EN sieve op. 2,80 mm
15-D0413/3150	200 mm dia EN sieve op. 3,15 mm
15-D0413/3350	200 mm dia EN sieve op. 3,35 mm
15-D0413/3550	200 mm dia EN sieve op. 3,55 mm
15-D0413/4000	200 mm dia EN sieve op. 4,00 mm

\*Opening required by EN 933 and EN 196-6

Spare part

15-D0413/A2

Pack of 4 spare paper bags and 1 filter cartridge for vacuum unit model 15-D0413/A1

Language selection: 5 languages

Operating modes: quick start & pre-set tests to EN933-10 and EN196-6

Fully customizable test procedure

Sieve shaker:

Power supply: 110-230V, 50-60Hz, 1Ph

Power: 80W

Overall dimension: 300x300x300

Total weight: 12kg

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Vacuum unit 15-D0413/A1:  
Voltage: 230V, 50-60Hz, 1Ph  
Power: 1200 W  
Overall dimension: 375x385x505 mm  
Total weight: 7.5 kg



Digital air jet sieve shaker 15-D0413/A with dedicated sieve

## Products

### 15-D0413/A

Digital Air Jet sieve shaker for dry granulometric testing of particles from 5  $\mu\text{m}$  to 4 mm to EN 933-10 and EN 196-6. The machine is supplied complete with plexiglass cover. Dedicated sieves 25 mm height and vacuum unit are available as accessories. 110-230V, 50-60Hz, 1Ph

## Accessories and consumables

### 15-D0413/A1

Vacuum generator (aspirator) for digital air jet sieve shaker model 15-D0413/A, complete with connection hose. Pressure differential up to 6.5 kPa. 230V/50-60Hz/1Ph

### 15-D0413/A2

Pack of 4 spare paper bags and 1 filter cartridge for vacuum unit model 15-D0413/A1