

# Long-Stroke Screening Machine

## JEL Regula Standard



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Mainly used to grade expandable polystyrene EPS, JEL Regula Standard is the first choice when it comes to all fields of applications where fractions of dry and pourable bulk solids must be graded within a screening process with only small floor surface available.

### ► Operation

Based on the principle of mass balancing, the flywheel drive ensures a continuous screening process with a horizontal movement of product in the screening level. The product is graded from fine to coarse which is why the JEL Regula Standard is equipped with sieve inserts becoming coarser from top to down. The coarse material is carried along with the entire product to be screened right to the end of the screening mesh and in the same time serves as screening aid.

### ► Machine equipment

The JEL Regula has a modular and compact design.

### ► Areas of application

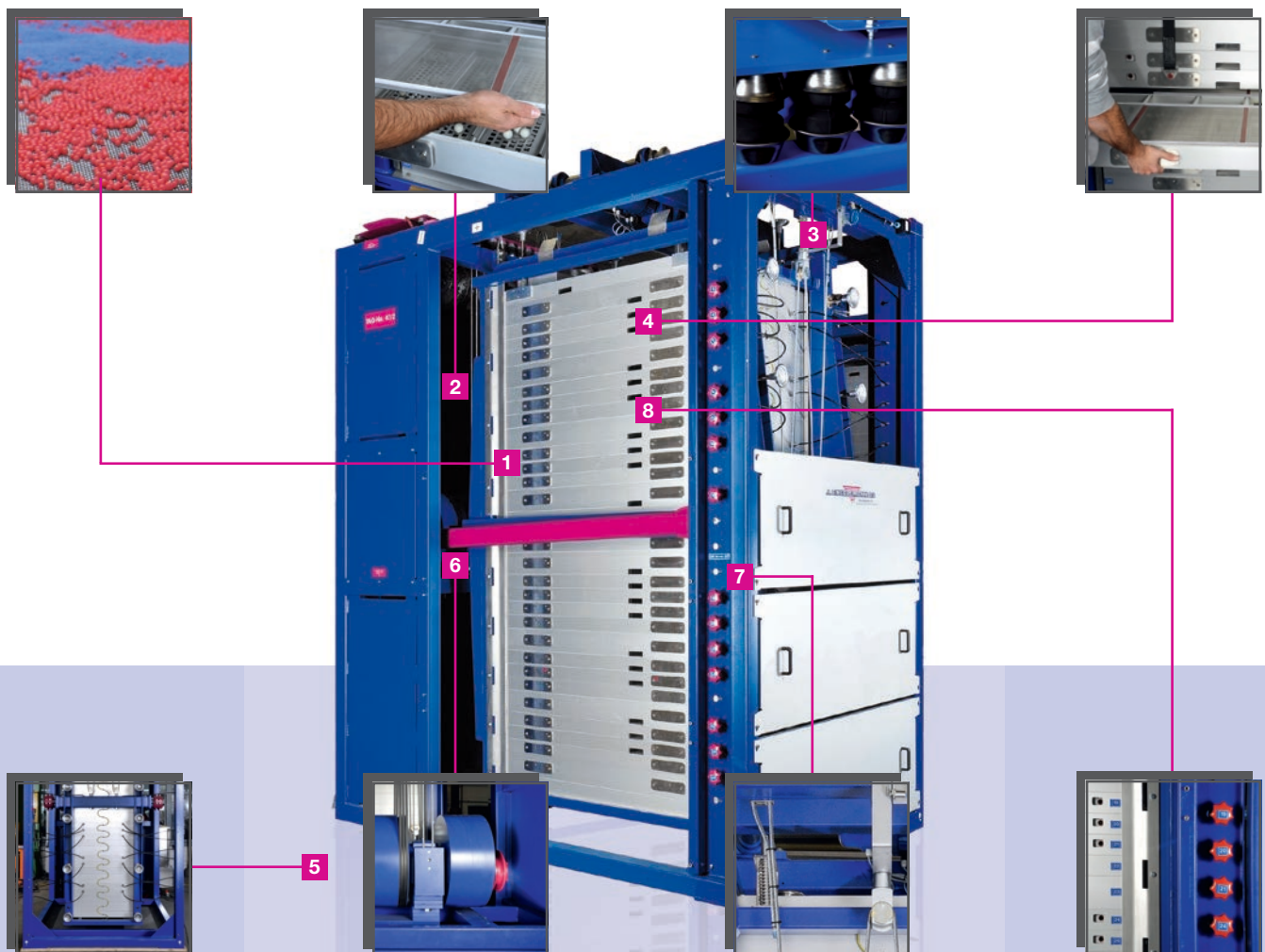
Chemicals	Plastics	Pharmaceuticals	Foodstuffs	Similar industries
○	●	○	○	○

### ► Bulk solids

Spherical	Powdery	Finely powdered	Fatty	Granular
●	○	○	○	○

### ► Screening applications

Protective screening	Grading	Coarse/Oversize grain screening	Fine screening	Deagglomerating
○	●	○	○	○



LONG-STROKE SIEVE | JEL Regula Standard

- |   |   |   |  |
|---|---|---|--|
| <b>1</b> High level of selectivity (up to 99%)        | <b>3</b> Low dynamic loads                      | <b>5</b> Small floor space required                   | <b>7</b> Adjustable screen inclination                               |
| <b>2</b> Easy sieve replacements using lifting device | <b>4</b> Flexible adjustment of the sieve stack | <b>6</b> Low energy consumption due to flywheel drive | <b>8</b> Distribution bars for the optimisation of screening quality |

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### ► Design

- Lifting device for sieve replacement
- Parts in contact with the product are made of aluminium/stainless steel
- Powered sieve inclination adjustment available
- ATEX version available
- Various screen cleaning systems available as an option
- Upon request speed adjustment via frequency converter
- Ioniser to minimise electro-static load
- Equipment with 4-22 screen decks (max. 20 m<sup>2</sup> screening surface)

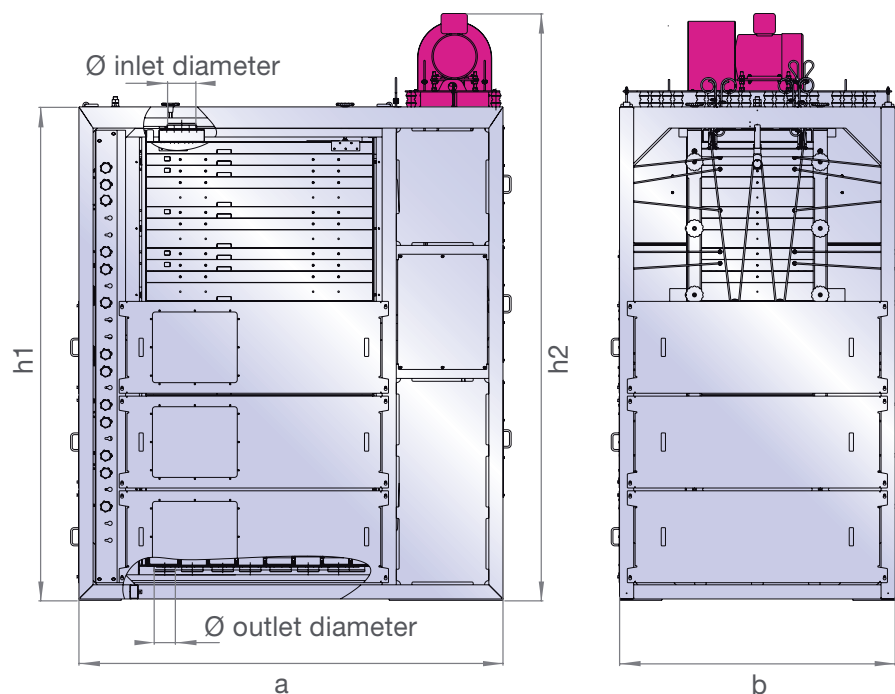
### ► Technical details

#### MACHINE

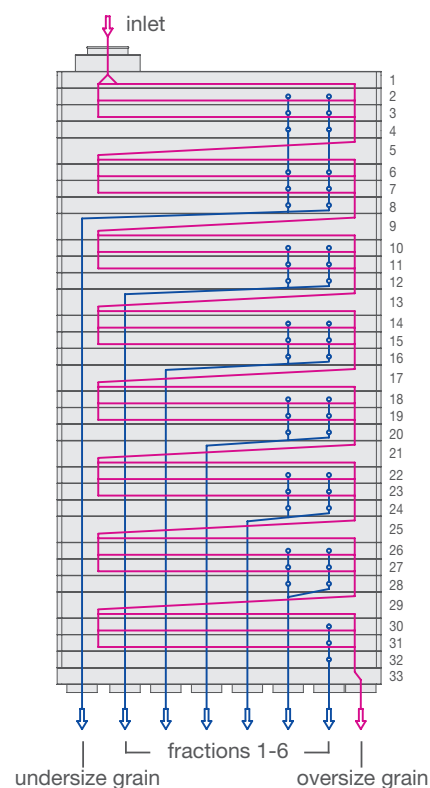
Model	Fractions	Screening surface (m <sup>2</sup> )	No. of sieve inserts	Electric motor (kW)	Weight (kg)	Ø Inlet (mm)	Ø Outlet (mm)	Length a (mm)	Width b (mm)	Height h1 (mm)	Height h2 (mm)
RST A 9	2 - 5	4.21	9	3.5	2400	200	150 - 200	2990	1350	1650 - 1900	2010 - 2260
RST A 12	2 - 6	5.62	12	3.5	2600	200	150 - 200	2990	1350	2020 - 2270	2380 - 2630
RST A 14	2 - 6	6.55	14	3.5	2800	200	150 - 200	2990	1350	2385 - 2550	2745 - 2910
RST B 17	2 - 8	15.91	34	3.5	4800	250	150 - 200	3000	1950	2690 - 2950	3350 - 3610
RST B 19	2 - 8	17.78	38	3.5	5100	250	150 - 200	3000	1950	2850 - 3110	3510 - 3770
RST B 22	2 - 8	20.59	44	3.5	5400	250	150 - 200	3000	1950	3220 - 3490	3880 - 4150

#### DIMENSIONS

#### DIMENSIONAL DRAWINGS



#### FLOW SCHEME



### ► Your contact person

Do you still have questions or would you like a non-binding price quotation? Then simply contact our team of experts.



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Information JEL Regula

## Convincing facts

- ✓ Exact and gentle screening
- ✓ Up to 8 fractions in one screening process
- ✓ High level of selectivity during grading (up to 99%)
- ✓ Low-noise operation (75-78 dB(A)) and very low dynamic forces
- ✓ Low energy consumption (e.g. 3.5 kW for a 17.8 m<sup>2</sup> screening surface)
- ✓ Small floor space required due to screen decks arranged on top of each other
- ✓ Easy adjustment of screening surfaces to individual fractions
- ✓ Dust-free design