

OORIM

TRC

CLASSIFIER ASPIRATOR



TRC

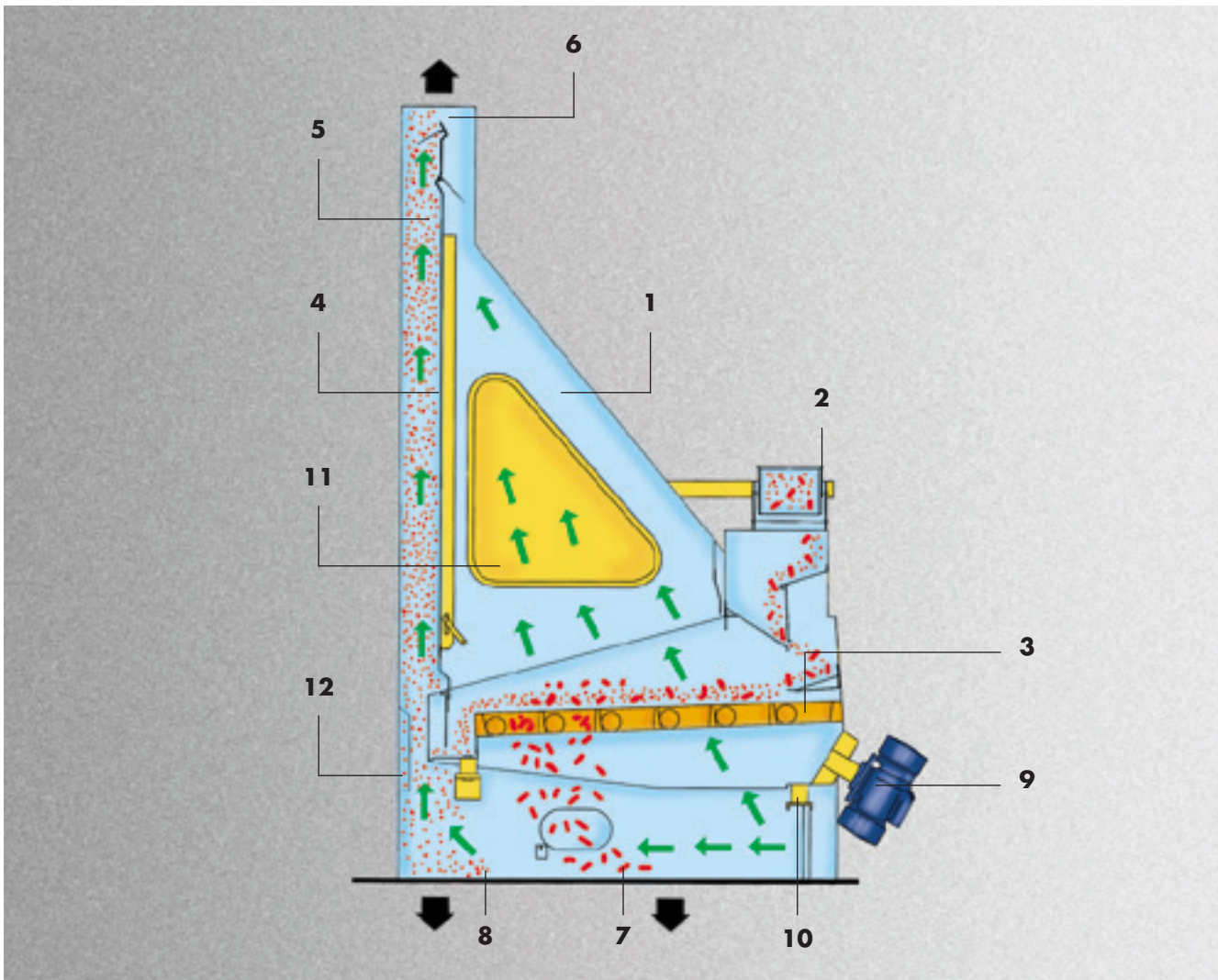
CLASSIFIER ASPIRATOR

1. Control valves for adjustment of air flow on the aspirator and classifier sieves.

2. Control valve for adjustment of air flow on the aspiration channel.

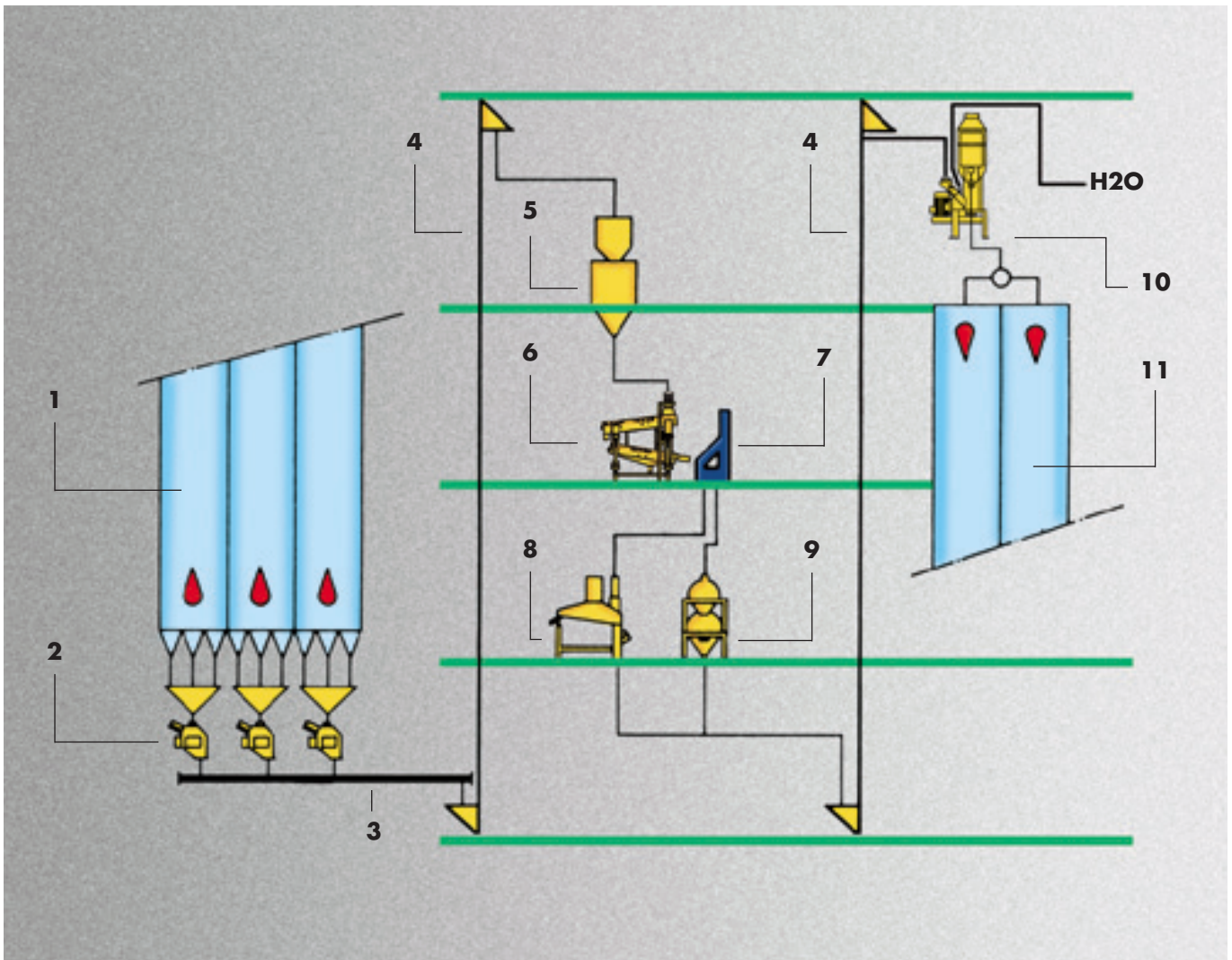
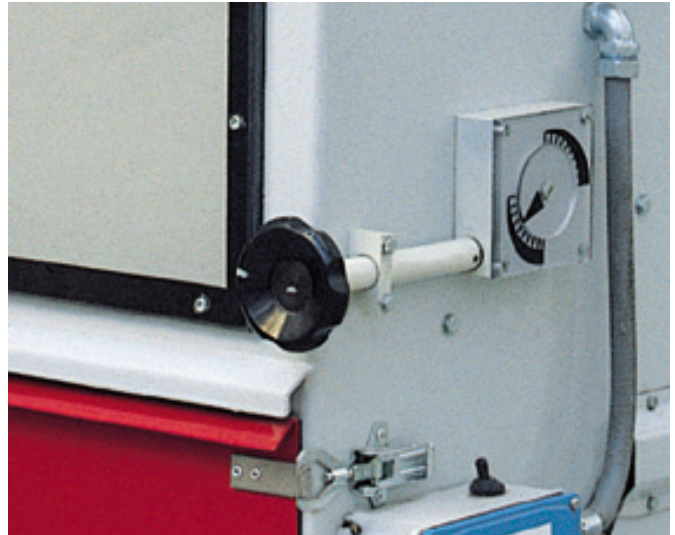
3. Flow diagram for cleaning wheat utilizing the classifier aspirator.

- 1 Main frame
- 2 Feed hopper
- 3 Vibrating sieve
- 4 Adjustable control valve
- 5 Air flow control valves
- 6 Exhaust outlet
- 7 Heavy product discharge
- 8 Light product discharge
- 9 Electric vibratory motor
- 10 Rubber vibration pads
- 11 Inspection panels
- 12 Inspection doors





- 1 Storage bins
- 2 Flowmatic FCA
- 3 Screw conveyors
- 4 Bucket elevator ETS
- 5 Electronic flow measurer WGA
- 6 Rotary grain separator SPR
- 7 Classifier aspirator TRC
- 8 Dry stoner TSV
- 9 Cylinder separator unit CSA
- 10 Vertical intensive dampening mixer SCV
- 11 Grain tempering bins



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CLASSIFIER ASPIRATOR

A combination of gravity classifier plus vertical aspirator classifying grain into two grades: light and heavy product. The aspiration operates effectively to reduce energy consumption and to simplify cleaning sections.

Aspiration action is combined with the classification of grains into two streams of different density: 70-75% heavy, 25-30% light.

Mainly consisting of an aspiration chamber and a vibrating sieve mounted on four vibration pads and driven by two vibratory motors.

Aspiration chamber with two independent devices for air regulation; the first device is for the product stratification on the deck; while the other is only for the aspiration of the light density fraction.

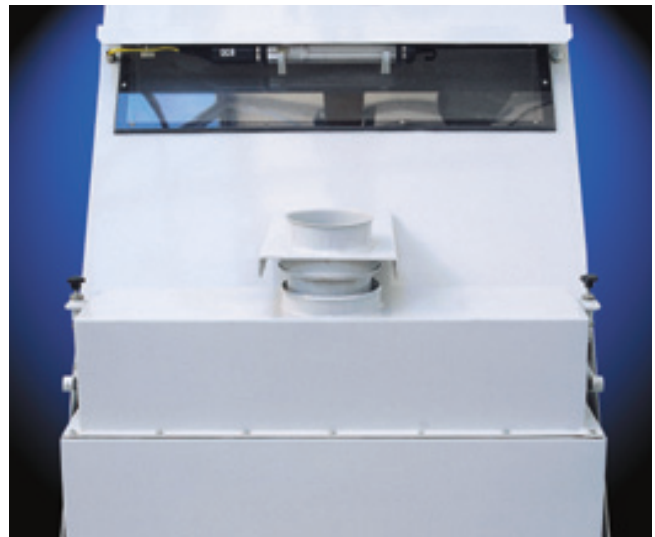
Regulation of air stream velocity by varying the cross-section of the aspiration channel.

Sieve cleaning by means of rubber balls. Large inspection panels allow an easy visual surveillance of the grains being processed.

- 4. _____
Removal of vibrating deck.
- 5. _____
Feed hopper with flow control device.
- 6. _____
Vibratory motor for sieve oscillation.



4



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