



Equipment for sandblasting room by GritSablare

PRODUCT SPECIFICATIONS

Section I. Company Identification

Product Name

**Equipment for sandblasting room with external dimensions:
L: 12.000 mm, D: 3.000 mm, H: 3.000 mm**

Distributor

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Section II. Advantages

Summary

- Blasting chamber manufactured on demand, in accordance with clients' specifications
- Complete blasting media recirculation inside the blasting chamber
- Efficient dust removal during blasting operations
- Antiabrasive Rubber linings to protect the wall of the chamber
- LED lightning with bright and natural light for great visibility



Section III. Product Description

SUCTION WALLS AND AIR INTAKE OPENINGS

Functionality:

- In order to dedust a blasting room or to have an effectively clear view during the blasting process, you need a diagonal flow velocity of 15m/min. in longitudinal or transverse direction. This ensures that the dusty air and the airborne dirt particles reach the filter unit and that the operator has an optimal view while working in the blasting room.

Technical Specifications

- **2 Extraction wall for the waste air to the filter**
- **2 Air intake opening for the supply air**

RUBBER COATING

Functionality:

- To protect the walls and front sides of the Blasting Room from damage, we cover the walls with Rubber linings. The Rubber linings hangs on hooks in the wall.

Technical Specifications

- **1 Blasting Room – Rubber Coating:**
 - High: 3.000 mm
 - 2 Sidewalls 77 qm
 - 1 Gable wall 12,6 qm
 - 1 Door 12,6 qm
 - rubber strength 3 mm

ILLUMINATION FROM ABOVE IN LED

Functionality:

- For optimal illumination of a Blasting Room we use very bright LED lamps. These lamps have a very bright and neutral light with their 70 built-in LEDs and 8,600 lm (4.500 K), that the operator does not dazzle even when working in the blasting room and thus makes working in the blasting room easier in the long run.

Technical Specifications

- Power: 120 Watt
- Dimensions 320 x 490 x 85 mm
- Quantity 8 Lamps

ELECTRICAL INSTALLATION

Technical Specifications

▪ 1 Control cabinet

- With all necessary safety precautions, with main switch, emergency stop switch, motor protection switches, indicator lights, push buttons, operating hours counter, switch for Lighting.
- All electrical components IP 54.

▪ 1 non-manipulable safety device

- Limit switch with B 6 - approval for 1 gate and 1 escape door

BLASTING MATERIAL RECOVERY

Flat conveyor floor

Functionality:

- In this fully automated recovery system, the blasting media will be transported via rake and rubber lips. During the backward movement, the rake remains in its original position and the rubber lips are pulled back over the blasting media and then transport the blasting medium forward again during the forward movement. The drive takes place via a geared motor.

Advantages:

- Easy replacement of the individual rakes.
- Service and maintenance from above, therefore very cost effective in practice.
- Easy installation.

Technical Specifications

- | | | |
|---|--------------|----|
| ○ Blasting room size | 12 x 3 | m |
| ○ Frame size longitudinal conveyor | 12.000 x 900 | mm |
| ○ Quantity of longitudinal conveyor tracks | 3 | |
| ○ Transverse conveyor | 1 | |
| ○ Drive of the elements: geared motor | 1,5 | kW |
| ○ Stroke length of the rake | 300 | mm |
| ○ 36 m ² Grids: Load up to 1 ton | | |



1 x BUCKET ELEVATOR

Functionality:

- The bucket elevator consists of three modules:
 - Bucket Elevator bottom part
 - Bucket Elevator shafts
 - Bucket Elevator upper part
- It has the task to convey the blasting media coming from the flat conveyor floor vertically to the cleaner. The bucket elevator is made of solid sheet steel. A running rubber conveyor belt with screwed-on metal cups is integrated.
- The elevator belt is driven by pulleys and tensioned by means of tensioning screws on the top of the bucket elevator. The standstill monitoring, which is located on the bottom of the bucket conveyor, ensures trouble-free operation.
- The drive is provided by a geared motor with backstop.

Advantages:

- High flow rate with low energy consumption.
- Low service costs.
- Low wear.



Technical Specifications

○ Length of the elevator belt:	12.000	mm
○ Width of the elevator belt:	120	mm
○ Quantity of cups per running mtr.	4	pieces
○ Basic dimension of the bucket elevator:	600 x 200	mm
○ Height of the bucket elevator: depending on construction measure	4.500 variabel 200 - 1.500	mm above-ground mm underground
○ Average speed of the Belt:	47,1	m/min
○ Max. Flow rate at 80% filling level:	1,62	m ³ /Std. (Steelgrit)
○ Drive power:	1,5	kW

- **1 Drive by geared motor with backstop.**
 - Power: 1,5 kW
- **1 Bucket elevator aggregate as described before**

BLASTING MATERIAL CLEANER

Functionality:

- The blasting media cleaner (air classifier) consists of coarse and fine particle separation, wherein coarse parts are deposited in a designated collecting container via a vibrating screen mounted in vibrating elements and driven by a vibrating motor. Fine particles are eliminated by an air classifier.

Advantages:

- Coarse particles are automatically eliminated via sieve.
- Fine particles are separated by air classification, the dust content can be precisely adjusted with the exhaust air flap
- Low overall height, therefore also integrable in low halls.

Technical Specifications

- | | | |
|-----------|-----------|----|
| ○ Length: | ca. 1.000 | mm |
| ○ Width: | ca. 600 | mm |
| ○ Height: | ca. 1.200 | mm |

1 x BLASTING MATERIAL BUNKER

Functionality:

- The blasting media bunker serves as storage for the blasting media. It holds about 1,000 ltr. Blasting media and is made of solid sheet steel. On the underside of the bunker is a standard hand-operated gate valve, under which the blasting pot is. To avoid dust, the entire bunker is covered with a dustproof cover. The blasting media bunker is designed for **1 Operator**.

Advantages:

- Absolutely dustproof storage of the blasting media.
- The blasting pot can be used at any time in a different location, because without effort the blasting pot can be removed under the blasting media bunker.



Technical Specifications:

- | | | |
|--------------------------------|-----------|----------------|
| ○ Length: | ca. 1.000 | mm |
| ○ Width: | ca. 1.000 | mm |
| ○ Height: | ca. 1.000 | mm |
| ○ Total height of the bunker: | ca. 4.500 | mm |
| ○ Max. Capacity of the bunker: | ca. 1.000 | kg (Steelgrit) |
| ○ Suitable for blasting pots: | 1 | |

FILTER SYSTEM

Technical Specifications:

- **2 x Dedusting system, Type 4.000/4/56**

List of components:

- 1 Filter housing made of sturdy sheet steel with a reinforcement made of sectional steel frame.
- 1 Inspection flap to control automatic filter cleaning.
- 1 Flap as access to the filter cartridges.
- 1 Dust container, this is provided with rollers for easily pulling out and dispose of the dust.
- 1 Inlet opening for the dusty air (ca. 600 x 600 mm).
- 1 Outlet opening for the filtered air (ca. 600 x 600 mm).
- 4 Filter cartridges made of folded polyester material. Each filter cartridge has a filter surface of 14 square meters.
- 1 Centrifugal fan with coupled electric motor with 4.0 kW power consumption.
- 1 automatic cleaning consisting of 4 cleaning devices for fully automatic cleaning of the filter cartridges
- 1 Compressed air storage tank which stores the required compressed air for cleaning the filter cartridges.



Dimensions of the Filter System:

- | | |
|--------------------------------|----------|
| ○ Width of the filter system: | 1.000 mm |
| ○ Depth of the filter system: | 1.600 mm |
| ○ Height of the filter system: | 2.850 mm |

SANDBLASTINGMACHINE

Technical Specifications:

- **Sandblasting Pot - HL- Heavy Duty Sandblasting Pot**
 - Pot 200 l Volume
 - 1 Sieve
 - Pressure reducing valve R 1" with pressure gauge to set a constant working pressure
 - Remote control fully pneumatic (deadman switch)
 - 10 m Spez.- Sandblast hose, Ø 25 mm
 - 20 m control hose
 - 1 Blasting nozzle 8 mm Ø
 - Spez.- Hose quick coupling 25x7
 - 1 Nozzle holder

The compressed air consumption of the blasting nozzles at a pressure of 5 - 6 bar.

- 5 mm Ø 1.400 l/min
- 6 mm Ø 2.000 l/min
- 8 mm Ø 4.000 l/min



PROTECTIVE EQUIPMENT

Equipment of protective equipment per Operator:

- Pot 1 Fresh air after-cleaner
- 1 Pressure reducing valve R 1/4 m. Pressure gauge and quick coupling for setting a constant breathing air pressure
- 10 mtr. Fresh air hose as connecting line
- 1 Helmet air heating
- 1 Sandblaster protective suit
- 1 Sandblaster Helmet, S 4

PAINTING

- Standard colours of the manufacturer

DELIVERY TIME:

- 16-18 Weeks

Disclaimer/Statement of Liability

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