

normfinish®

DP 12
DP 14

Pressure Blast Cabinets DP



LEERING

HENGELO

A new generation of pitless blast cabinets with an ergonomically well-thought out design.

The leading cabinet with all characteristics to achieve a perfect result. Optimum operation and performance from modern blast technology. For an economical and eco-friendly use of fine graded abrasives, Normfinish[®] states the terms.

The ergonomic design and application of advanced components in a compact construction guarantee a perfect system. The system with continuous abrasive reclaim during operation.

Good accessibility and efficient sideloading by the use of large swingdoors.

Easy to operate because of the oval arm hole ports with lined rubber gloves, which are connected to the cabinet to maintain complete dustproofing.

Excellent visibility in the blastchamber is provided by an angled full view window and perfect interior lighting by an integrated strip-light (>1,000 lux). The view window is protected by inside splash glass in a quick exchange frame.

Servicepanel, which contains the following functions:

- lockable main switch;
- lockable pressure adjusting knob, max. 8 bar or 115 psi;
- pressure gauge;
- on / off switch.

Progressive safety, through:

- pneumatic door protection;
- electro-pneumatic lock;
- round pressure vessel with automatic de-aeration;
- lockable switchbox;
- complete system designed in accordance with IP 54.

Low noise level with a maximum of 78 dB(A) during the blast process.

Four components integrated in one concept

- **pressure blast system;**
 - **dust free blast chamber;**
 - **abrasive reclaim system;**
 - **dust collector with cartridge element(s).**

Pressure blast system, with:

- automatically controlled filling cone;
- pneumatic operated metering cylinder which is continuously adjustable;
- mixing pipe;
- outflow valve;
- spherical valve for fine adjustment for usage of light abrasives.



Dustfree blast chamber, through:

- air tight sealed doors with adjustable catchlocks;
- dust free positioning of window;
- suction labyrinth.

Abrasive reclaim system, with:

- cyclone with advanced cascade airwash system;
- filterscreen;
- abrasive storage hopper;
- inspection / access door.

Dustcollector, with:

- exhaust capacity:
 - DP 12 800 m³/h bij 1,600 Pa
 - DP 14 1,200 m³/h bij 2,200 Pa
- exhaust fan respectively 1,1 kW and 1,5 kW, 3 x 400V + N (Neutral) + Mass / 50 Hz;
- filtering surface of 4,4 m² per cartridge element;
- dust emission below 1,8 mg/Nm³;
- electronic controlled pneumatic cartridge cleaning system (adjustable);
- dust bin, suitable for one-way bags.

Summarized the system features the following advantages:

- the DP cabinet characterises a very fast and efficient operation;
- interference-free blast process for use of very fine graded media;
- minimal dust generation gives continuous excellent visibility during blast cleaning;
- the media will be kept in the circuit until it has been totally consumed;
- the cabinet is provided with strong supporting beams for transport by forklift or hand pallet truck.

Regularly refilling of the media will maintain a perfect working-mix. This guarantees a permanent blast speed and optimum surface finishing quality.



A reliable Dutch product in accordance with all relevant CE-directives.

For this system different options are available:

1. movable turntable inclusive of a complete rail system (diameter 600 mm / max. load 350 kg);
2. stationary turntable; (diameter 600 mm / max. load 350 kg);
3. drum system for blasting of small parts, including delay function;
4. stationary blast gun holder;
5. PLC control;
6. PVC protective lining inside cabinet;
7. counter for blasting hours (not shown).



Custom-made options can be integrated in our total design.

Technical specifications

DP 12

DP 14

Blast chamber dimension	1,100 x 930 x 830 mm (WxDxH)
Overall dimension (including motor)	1,250 x 1,530 x 2,080 mm (WxDxH)
Working height	810 mm
Lighting	2 x 30 Watt
Weight	510 kg
Doorway	830 x 720 mm
Maximum load	350 kg
Filter cartridges	2 x 4,4 m ²

Electrical supply
3 x 400V + N + Mass / 50Hz / 1,2 kW

Consumption of air
3,000 ltr./min. at 4 bar
(depending on nozzle diameter)

Blast chamber dimension	1,370 x 1,020 x 890 mm (WxDxH)
Overall dimension (including motor)	1,550 x 1,620 x 2,150 mm (WxDxH)
Working height	810 mm
Lighting	2 x 36 Watt
Weight	705 kg
Doorway	920 x 780 mm
Maximum load	350 kg
Filter cartridges	3 x 4,4 m ²

Electrical supply
3 x 400V + N + Mass / 50 Hz / 1,6 kW

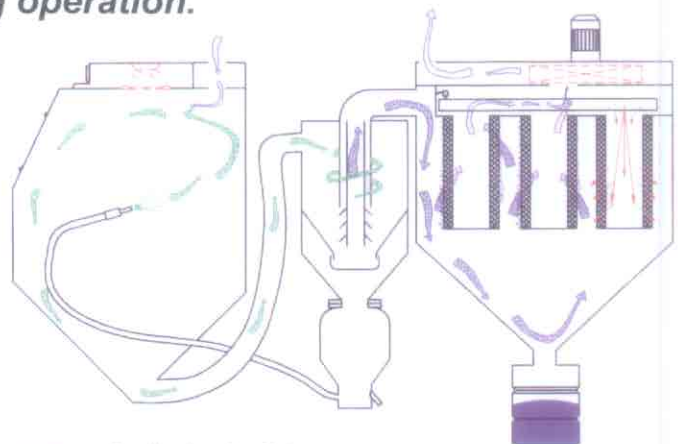
Consumption of air
3,000 ltr./min. at 4 bar
(depending on nozzle diameter)

Continuous media reclamation during operation.

The spent media, dust and debris will be permanently pulled into the cyclone where usable media will be separated.

The filterscreen separates coarse contamination. This ensures that just clean media will remain in the circuit.

Consumed media (abrasive), dust and debris will be sucked into the dust collector and afterwards collected in a dustbin for disposal.



- air with abrasive & dust;
- air with dust;
- clean air;
- air injection;
- dust.

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