

# normfinish<sup>®</sup>

D1 12  
D1 14

*injector blast cabinets DI*



**LEERING**

**HENGELO**

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

The leading cabinet with all features to achieve a perfect result. Optimum operation and performance from modern blast technology. For an economical use of fine graded abrasives Normfinish<sup>®</sup> sets the standard.

The ergonomic design and application of advanced components in a compact construction guarantees 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 dust proofing.

**Excellent visibility** in the blastchamber is provided by an angled full view window and perfect interior illumination 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;
- the complete system designed in accordance with IP 54.

**Low noise level** with a maximum of 75 dB(A) during the blast process.

## Four components integrated in one concept

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

**Pneumatic blast system, with:**

- injector blast gun with 6, 8, 10 mm wear resistant Sisis nozzle;
- pneumatic footpedal with safety guard;
- moisture extractor with half automatic drain-off;
- remote controlled airpressure regulator;
- air blow-off gun;
- adjustable feedvalve with quick exchange facility.



**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 fan 0,75 kW / 230V / 50 Hz;
- exhaust capacity 600 m<sup>3</sup>/h at 1,500 Pa;
- filtering surface of 7 m<sup>2</sup> per cartridge element;
- dust emission below 1,8 mg/Nm<sup>3</sup>;
- electronic controlled pneumatic cartridge cleaning system (adjustable);
- dust bin, suitable for one-way bags.

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**Summarized the system features the following advantages:**

- 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.

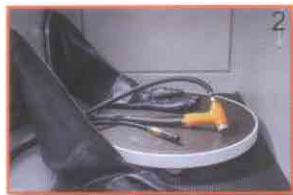
*Regularly refilling of the media will maintain a perfect working-mix. This guarantees a permanent blast speed and optimum surface finishing quality.*



**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. blast gun with boron carbide nozzle;
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

## normfinish® DI 12

### Blast chamber dimensions

1,100 x 800 x 740 mm (WxDxH)

### Overall dimensions (inclusive motor)

1,250 x 1,280 x 1,970 mm (WxDxH)

**Working height** 810 mm

**Illumination** 2 x 30 Watt

**Weight** 355 kg

**Door opening** 690 x 620 mm

**Maximum load** 350 kg

**Filter cartridge** 1 x 7 m<sup>2</sup>

### Power supply

230V / 50 Hz / 0,85 kW

### Air consumption

600 - 1,000 ltr./min. at 6 bar  
(depending on injector diameter)

## normfinish® DI 14

### Blast chamber dimensions

1,370 x 890 x 810 mm (WxDxH)

### Overall dimensions (inclusive motor)

1,550 x 1,380 x 2,045 mm (WxDxH)

**Working height** 810 mm

**Illumination** 2 x 36 Watt

**Weight** 480 kg

**Door opening** 790 x 690 mm

**Maximum load** 350 kg

**Filter cartridges** 2 x 7 m<sup>2</sup>

### Power supply

230V / 50 Hz / 0,85 kW

### Air consumption

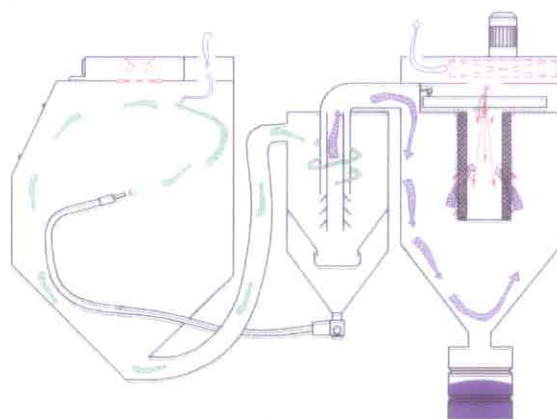
600 - 1,000 ltr./min. at 6 bar  
(depending on injector diameter)

## Continuous media reclamation during operation.

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

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

Used media, dust and debris will be sucked into the dust collector and afterwards collected in a dustbin for disposal.



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