

—INTECO—

„HAVE AN EYE ON OUR TECHNOLOGY“



IMVP Inteco – Mechanical – Vacuum - Pump

INTECO has developed a strong and reliable mechanical vacuum pump system for steel degassing units. This system is tailor made for each customer and application and fits the requirements of modern, economic and efficient steel degassing units. The system is designed to work with VD, VOD, RH, RH-OB and VSD Units.

Before entering the pump system, proper gas cooling and cleaning is required. Thus, can be ensured with cyclone, and in case of VOD operation, integrated gas cooler unit as well as filter system.

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Stage 3



The pumping station consists of:

- Stage 3: Roots pump
- Stage 2: Pre-Inlet Cooled Roots Pump
- Stage 1: Screw pump

Stage 1



Stage 2



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Highlights:

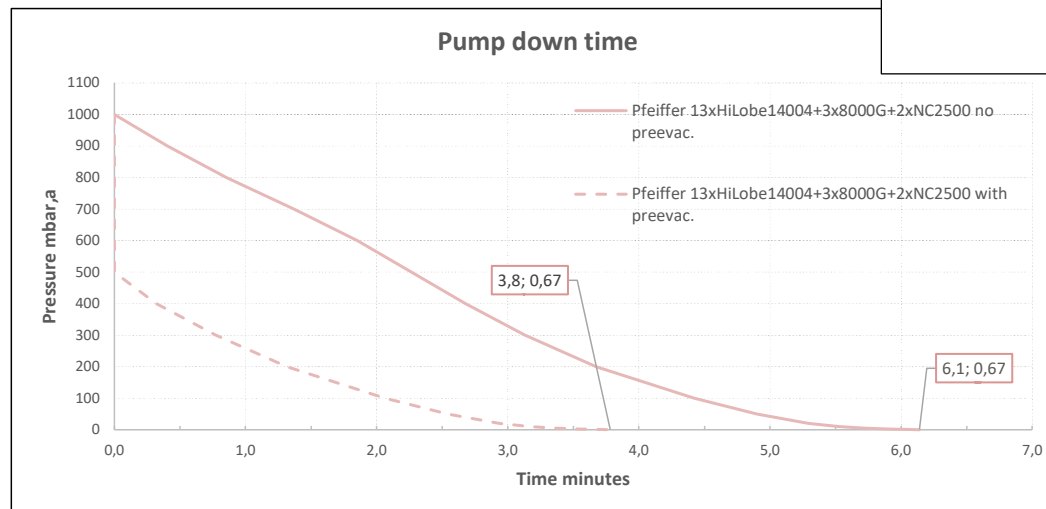
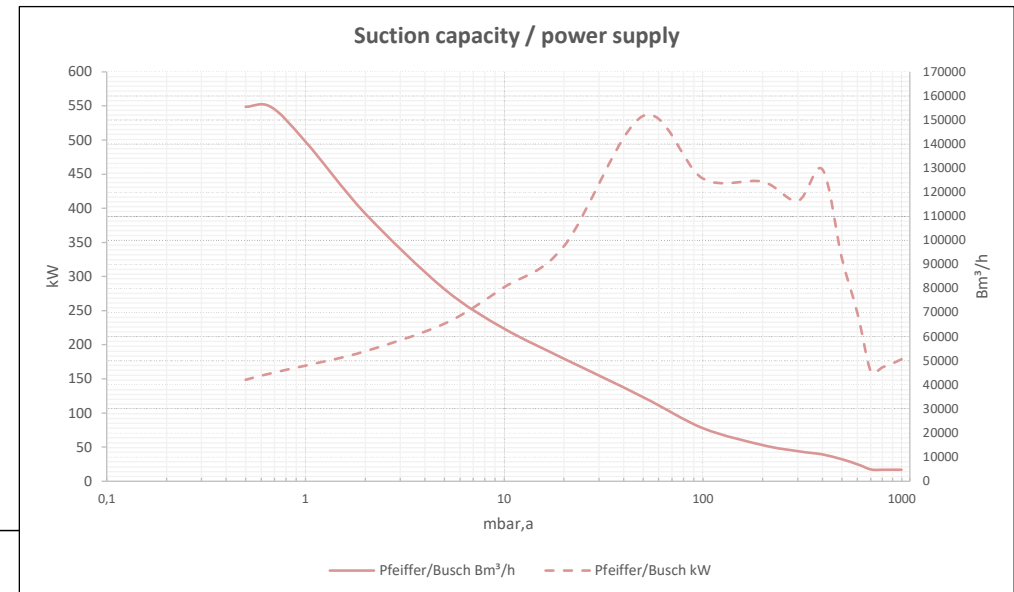
- Modular, 3-stage design
- The 3 pressure levels can be individually designed to ensure an optimum suction capacity at each working point.
- Thanks to the pump control system developed by INTECO, special customer requirements can be easily implemented.
- Depending on the requirements, several performance levels can be selected from the IMVP.
- The complete vacuum system such as suction line, dust separator (cyclone), gas cooler, vacuum filter, vacuum pumping station including ballast air control and automation are supplied from a single source.
- In case of VOD or RH-OB plant, ATEX II 2G IIC T1 inside

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› Reference values of IMVP for a 70t VD plant

› Configuration:

- Stage 3: 13 x Roots Pumps
- Stage 2: 3 x Roots Pumps water cooled
- Stage 1: 2 x Screw Pumps



Selected References



120 „short ton“ VD plant with
mechanical pumps
NUCOR Darlington, USA



70t VD plant with mechanical
pumps
BOUS, Germany



50t VD-VOD plant with
mechanical pumps
FRISA, Mexico



8t DETEM VD-VOD plant with
mechanical pumps
Lohmann, Germany



8t DETEM VD-VOD plant with
mechanical pumps
NPO, Russia



200t RH - plant with
mechanical pumps
Saarstahl, Germany

DISCLAIMER

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