



OnTool™ Booster

**The High-Vacuum Pump That Works
Against Atmosphere!**

The High-Vacuum Pump That Works Against Atmosphere!

For all clean applications

With its performance and compact design, the OnTool Booster is setting standards in vacuum technology.

It is characterized by an extremely high pumping speed of 130 m³/h and an ultimate pressure of $< 1 \cdot 10^{-5}$ mbar.

In the past, a combination of high-vacuum pump and backing pump was required for many applications. Since the OnTool Booster works against atmosphere, a backing pump is no longer required. This saves space and cost!

Thanks to its compact design, the pump can be connected directly to the tool (e.g. load-lock or transfer chamber).

The OnTool Booster is the perfect solution for clean applications in coating, the semiconductor industry or research and development – without any particles, corrosive gases or condensation. It can be employed in a wide variety of applications, either as a stand-alone pump or as a backing pump for turbopumps.

OnTool Booster – The high-vacuum pump that works against atmosphere.



Wafer fabrication



Solar cell coating



Load-lock of solar cell coating system¹⁾

1) Photos courtesy of: OTB Solar, Netherlands

Technical data

Pump		OnTool™ Booster
Connection flange	Inlet	DN 50 ISO-KF
	Outlet	DN 25 ISO-KF
Ultimate pressure		< 10 ⁻⁵ mbar
Max. pumping speed for N ₂ .		
At 10 ⁻¹ mbar (75 mTorr) inlet pressure		130 m ³ /h
At atmospheric inlet pressure		18 m ³ /h
Rotational speed		60,000 1/min
Run-up time		30 s
Noise level		< 64 dB (A)
Line voltage 1-phase		230 V/AC, 50/60 Hz
Line voltage 3-phase		208 V/AC, 50/60 Hz
Max. power consumption		2,000 W
Power consumption at ultimate pressure		1,100 W
Weight		35 kg

Order number

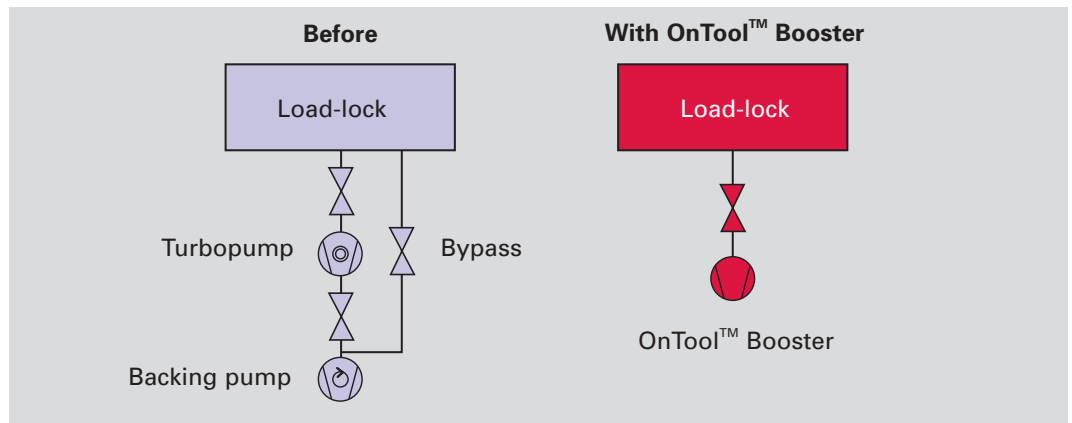
Pump	OnTool™ Booster
	PR P00 010

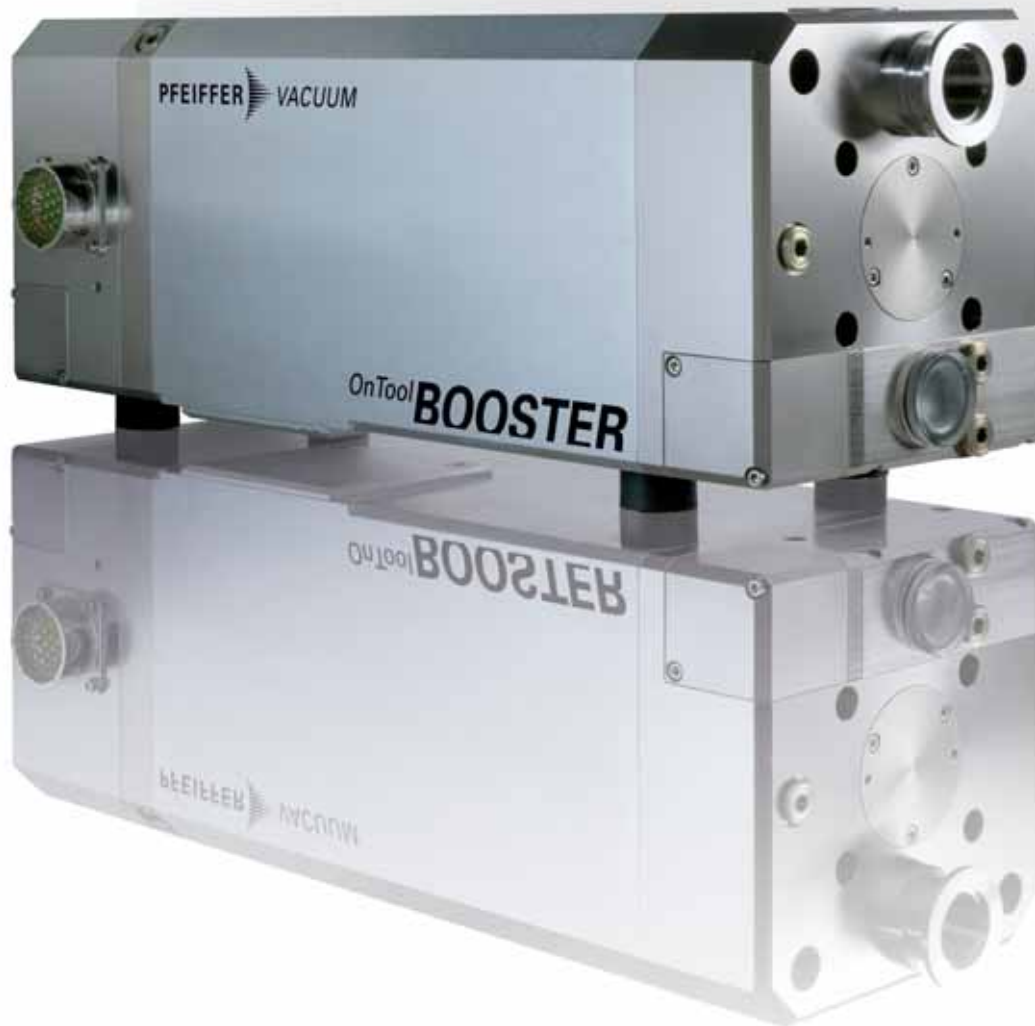
Accessories

Accessories	Order number
TCP 2000, Drive electronics, 1-phase	PR C01 000
TCP 2000, Drive electronics, 3-phase	PR C01 001
TCP 2000, Drive electronics, with Profibus, 1-phase	PR C01 004
TCP 2000, Drive electronics, with Profibus, 3-phase	PR C01 005
TVF 005, Sealing gas valve and gas ballast inlet G 1/8"	PM Z01 135
SAS 90, Dust separator ¹⁾	PK Z60 503
No-return valve, DN 25 ISO-KF	PK 004 521 -U
Sintering filter for sealing gas inlet G 1/8"	PR 003 505 -T
Connection cable with connection box, 3 m	PR 003 543 -T
Connection cable with connection box, 5 m	PR 003 544 -T

¹⁾ Filter, reducing pieces and adapters on request

Ideal for applications in load-lock or transfer chambers in the pumping speed range of up to 130 m³/h





Advantages at a glance

- Innovative
- Cost-effective
- Compact
- Particle-free
- Variable
- Short cycle times
- Powerful
- Flexible
- High-vacuum directly against atmosphere
- No backing pump required
- Can be connected directly to the tool
- For all clean applications
- Can be used as either a stand-alone or backing pump
- Optimized for a low transfer pressure
- Very high pumping speed of 130 m³/h
- High-vacuum flange in 3 positions

**Leading. Dependable.
Customer Friendly.**

Pfeiffer Vacuum stands for innovative and custom vacuum solutions worldwide, for German engineering art, competent advice and reliable service.

As the inventor of the turbopump, we have always been consistently setting standards in our industry and this claim to leadership will continue to drive us in the future.

**Are you looking for a
perfect vacuum solution?
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