



# HICUBE ECO

Modular turbo pumping stations for all high and ultra-high vacuum applications

# HICUBE ECO

## Modular turbo pumping stations for all high and ultra-high vacuum applications

### Ideal adaptation to all applications

The new HiCube Eco turbo pumping station stands out with its modular design. Due to its numerous options for combining different turbopumps and backing pumps, the HiCube Eco can be configured to make it ideal for all high vacuum and ultra-high vacuum processes. All HiCube Eco pumping stations provide connectivity for digital pressure sensors.

### Powerful technology

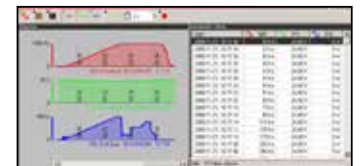
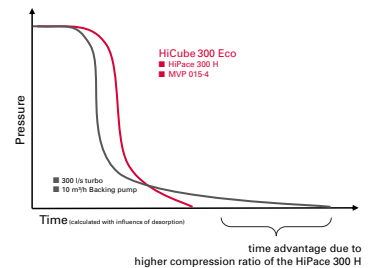
This pumping station now reaches high ultimate pressures even faster, especially when combined with the HiPace 300 H turbopump which delivers particularly high compression. Up to now, conventional turbopumps could only reach these pressures if considerably larger and more energy-intensive backing pumps were used.

### Intelligent efficiency

All HiCube Eco turbo pumping stations are fitted with particularly energy-efficient backing pumps that have a DC drive. The turbopump and the backing pump form a single unit in the pumping station. If there is no gas load in the vacuum, the pumping station automatically reduces the backing pump output. This results in maximum energy savings.

### Easy data collection and analysis

If required, the HiCube Eco can also be remotely controlled by a USB converter, which is obtainable as an accessory. All operating parameters and the pressures recorded by the optional pressure sensors can be read out with this converter. TurboViewer software and compatible LabView drivers are available free of charge for downloading from our website [www.pfeiffer-vacuum.com](http://www.pfeiffer-vacuum.com). They allow you to record and analyze data.



### Customer benefits

- Adapts ideally to all high and ultra-high vacuum applications due to its modular design
- Powerful technology
- Maximum energy savings
- Connection for pressure gauges
- Easy data collection and analysis
- UL/CSA certification

## Possible combinations

### Turbopumps



HiPace 30

HiPace 80

HiPace 300

HiPace 300 H

### Diaphragm pumps



MVP 015-2 DC

MVP 015-4 DC

MVP 030-3 DC



HiCube Eco

## Order matrix HiCube Eco

## Order number PM Saa bbc de

Turbopumps		aa
HiPace 30	DN 40 ISO-KF	70
HiPace 30	DN 63 ISO-K	71
HiPace 30	DN 63 CF-F	72
HiPace 80	DN 40 ISO-KF	73
HiPace 80	DN 63 ISO-K	74
HiPace 80	DN 63 CF-F	75
HiPace 300	DN 100 ISO-K	76
HiPace 300	DN 100 CF-F	77
HiPace 300 H	DN 100 ISO-K	84
HiPace 300 H	DN 100 CF-F	85

Diaphragm pumps		bb
MVP 015-2 DC		10
MVP 015-4 DC		15
MVP 030-3 DC		20

Options		c/de
Venting valves	Without air venting valve	0
	With air venting valve	1
	With air venting valve and dryer TTV 001	2
Cooling	Standard air cooling	00
	Water cooling <sup>1)</sup>	10
	Water cooling and heating jacket 115 V AC <sup>1)2)</sup>	20
	Water cooling and heating jacket 230 V AC <sup>1)2)</sup>	30

<sup>1)</sup> not available in combination with HiPace 30

<sup>2)</sup> only in combination with CF flange

Accessories		Order number
	Extension kit cable and fore-vacuum line 3 m	PM 071 472 -T
	USB converter to RS-485 interface	PM 061 207 -T
Digital pressure sensors	TIC 010 adapter, necessary to connect max. two pressure sensors to the pumping station	PT R70 000
	RPT 010, digital Piezo/Pirani sensor, G1/8"	PT R71 100
	Screw-on flange, DN 16 ISO-KF to G 1/8"	PM 016 780 -T
	IKT 010, digital cold cathode sensor, low current, DN 25 ISO-KF <sup>3)</sup>	PT R72 100
	IKT 011, digital cold cathode sensor, high current, DN 25 ISO-KF <sup>3)</sup>	PT R73 100

<sup>3)</sup> other flanges available

## VACUUM SOLUTIONS FROM A SINGLE SOURCE

Pfeiffer Vacuum stands for innovative and custom vacuum solutions worldwide, technological perfection, competent advice and reliable service.

## COMPLETE RANGE OF PRODUCTS

From a single component to complex systems:

We are the only supplier of vacuum technology that provides a complete product portfolio.

## COMPETENCE IN THEORY AND PRACTICE

Benefit from our know-how and our portfolio of training opportunities!

We support you with your plant layout and provide first-class on-site service worldwide.

Are you looking for a  
perfect vacuum solution?  
Please contact us:

Pfeiffer Vacuum GmbH  
Headquarters · Germany  
T +49 6441 802-0

[www.pfeiffer-vacuum.com](http://www.pfeiffer-vacuum.com)