



# Pfeiffer HiCube 400 Classic

## Technical Specifications

		HiCube 400 Classic	
Flange (in)		DN 100 ISO-K	DN 100 CF-F
Pumping speed for Nitrogen N <sub>2</sub>	l/s	355	355
Ultimate pressure			
with Rotary vane pump DuoLine	mbar	$< 1 \cdot 10^{-7}$	$< 5 \cdot 10^{-10}$
with Diaphragm pump MVP	mbar	$< 1 \cdot 10^{-7}$	$< 1 \cdot 10^{-8}$
Pumping speed backing pump at 50 Hz			
Diaphragm pump MVP 015	m <sup>3</sup> /h	–	–
Diaphragm pump MVP 040	m <sup>3</sup> /h	–	–
Diaphragm pump MVP 070	m <sup>3</sup> /h	3.8	3.8
Rotary vane pump Duo 2.5	m <sup>3</sup> /h	2.5	2.5
Rotary vane pump Duo 5 M	m <sup>3</sup> /h	5	5
Weight pumping station: <sup>1)</sup>			
with Diaphragm pump MVP 015	kg	–	–
with Diaphragm pump MVP 040	kg	–	–
with Diaphragm pump MVP 070	kg	51.6	57.5
with Rotary vane pump Duo 2.5	kg	45.7	51.6
with Rotary vane pump Duo 5 M	kg	54.2	60.1
Power consumption			
with Diaphragm pump MVP 015	W	–	–
with Diaphragm pump MVP 040	W	–	–
with Diaphragm pump MVP 070	W	670	670
with Rotary vane pump Duo 2.5	W	580	580
with Rotary vane pump Duo 5 M	W	670	670

Ultimate pressure in a measuring dome 48 hours after bake-out, can be attained only with metallic seal of the high vacuum flange. (Ultimate pressure with elastomer seal (standard, not bakeable):  $< 1 \cdot 10^{-7}$  mbar.)

<sup>1)</sup> without fore-vacuum safety valve



# PROVAC

## SALES

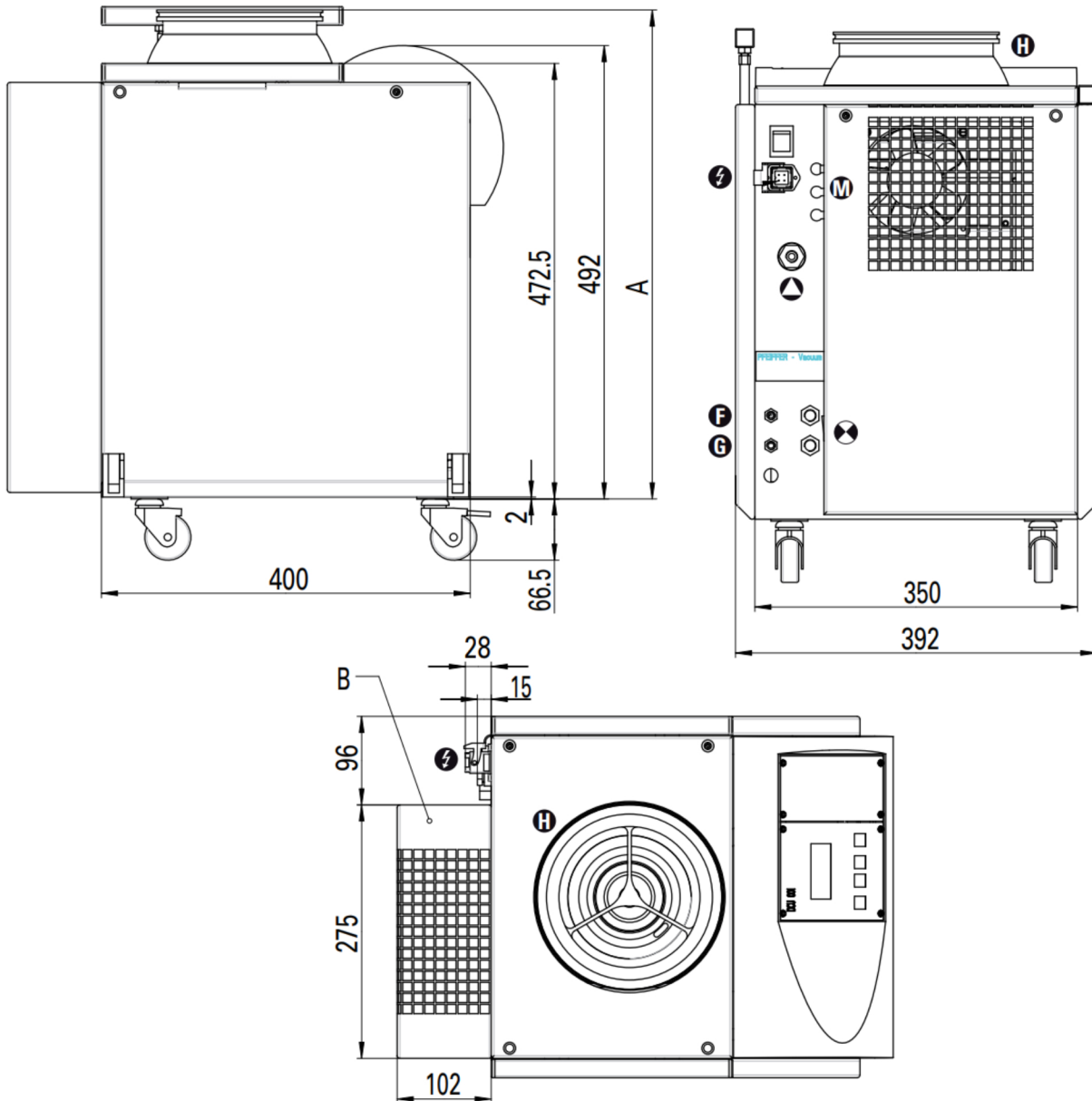
PHONE: 831-462-8900

FAX: 831-462-3536

WWW.PROVAC.COM

# Pfeiffer HiCube 400 Classic

## Dimensions



Dimensions	HiCube 400 Classic	HiCube 400 Classic
Flange (in)	DN 100 ISO-K	DN 100 CF-F
A	624 mm	624 mm
B	102 mm only with DUO 5	



# PROVAC

## SALES

PHONE: 831-462-8900

FAX: 831-462-3536

WWW.PROVAC.COM

## Pfeiffer HiCube 400 Classic Features & Benefits

- floor standing, compact pumping station
- easy data collection & analysis
- optimal combination of HiPace turbo pump & backing pump
- modular design affords simple customization for application
- service friendly due to accessibility of individual components
- integrated drive electronics
- plug & play - no installation or cabling required
- robust engineering makes for long service life
- optional forevacuum safety valve prevents venting in power failure
- direct connection of vacuum gauges possible

## Applications

- research & development • accelerators • analysis & surface physics
- vacuum process technology • general vacuum applications

