



# Pfeiffer HiCube 80 Classic

## Technical Specifications

HiCube 80 Classic				
Flange (in)		DN 40 ISO-KF	DN 63 ISO-K	DN 63 CF-F
Pumping speed for Nitrogen N <sub>2</sub>	l/s	35	67	67
Ultimate pressure				
with Rotary vane pump DuoLine	mbar	$< 1 \cdot 10^{-7}$	$< 1 \cdot 10^{-7}$	$< 5 \cdot 10^{-10}$
with Diaphragm pump MVP	mbar	$< 1 \cdot 10^{-7}$	$< 1 \cdot 10^{-7}$	$< 1 \cdot 10^{-8}$
Pumping speed backing pump at 50 Hz				
Diaphragm pump MVP 015	m <sup>3</sup> /h	0.9	0.9	0.9
Diaphragm pump MVP 040	m <sup>3</sup> /h	2.3	2.3	2.3
Diaphragm pump MVP 070	m <sup>3</sup> /h	3.8	3.8	3.8
Rotary vane pump Duo 2.5	m <sup>3</sup> /h	2.5	2.5	2.5
Rotary vane pump Duo 5 M	m <sup>3</sup> /h	5	5	5
Weight pumping station: <sup>1)</sup>				
with Diaphragm pump MVP 015	kg	31.5	31.5	32.9
with Diaphragm pump MVP 040	kg	36.4	36.4	37.8
with Diaphragm pump MVP 070	kg	41.4	41.4	42.8
with Rotary vane pump Duo 2.5	kg	35.5	35.5	36.9
with Rotary vane pump Duo 5 M	kg	44.0	44.0	45.4
Power consumption				
with Diaphragm pump MVP 015	W	230	230	230
with Diaphragm pump MVP 040	W	290	290	290
with Diaphragm pump MVP 070	W	360	360	360
with Rotary vane pump Duo 2.5	W	270	270	270
with Rotary vane pump Duo 5 M	W	360	360	360

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



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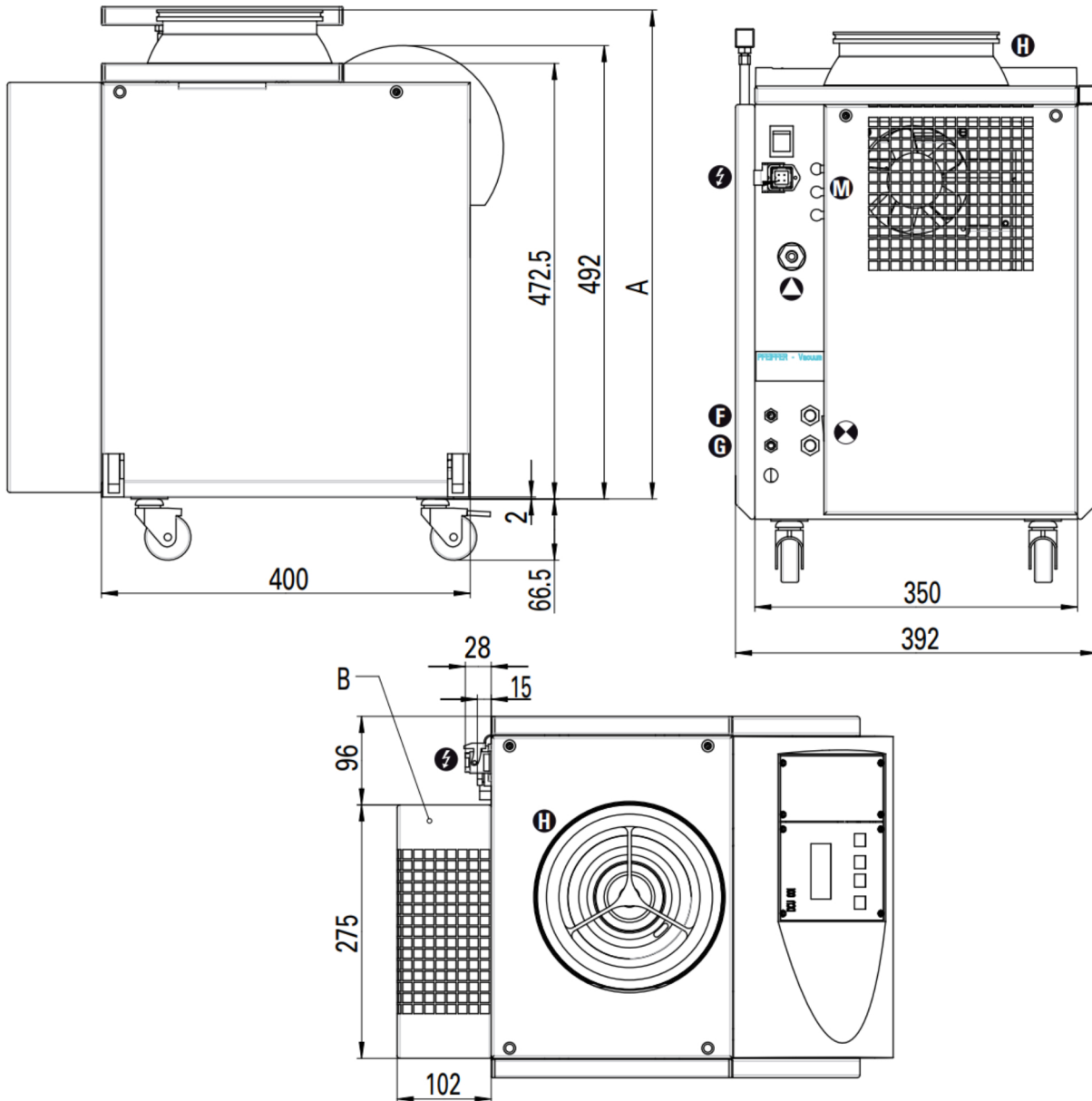
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## Dimensions



Dimensions	HiCube 80 Classic	HiCube 80 Classic	HiCube 80 Classic
Flange (in)	DN 40 ISO-KF	DN 63 ISO-K	DN 63 CF-F
A	590 mm	581 mm	587 mm
B	102 mm only with DUO 5		



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## Pfeiffer HiCube 80 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

