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Edwards EPX-180, EPX-500

Technical Specifications

		EPX180L/LE	EPX180N/NE
Peak speed	m^3h^{-1}	175	175
	cfm	106	106
	l min^{-1}	3000	3000
Ultimate vacuum	mbar	$<1 \times 10^{-4}$	$<1 \times 10^{-4}$
	Torr	$<7 \times 10^{-5}$	$<7 \times 10^{-5}$
	Pa	$<1 \times 10^{-2}$	$<1 \times 10^{-2}$
Typical nitrogen consumption	slm	0	25
Inlet/outlet connection		ISO63/NW25	ISO63/NW25
Noise	dB(A)	56	56
Cooling water consumption	l/h	120	120
Weight	kg	45	47
Power to Ultimate	kW	1.4	1.6
(in typical fab install at 700 Torr backing)	kW	1.3	1.5
** Two outlet connections are required*			

		EPX500L/LE	EPX500N/NE
Peak speed	m^3h^{-1}	500	500
	cfm	295	295
	l min^{-1}	8335	8335
Ultimate vacuum	mbar	$<1 \times 10^{-6}$	$<1 \times 10^{-6}$
	Torr	$<7 \times 10^{-7}$	$<7 \times 10^{-7}$
	Pa	$<1 \times 10^{-4}$	$<1 \times 10^{-4}$
Typical nitrogen consumption	slm	0	25
Inlet/outlet connection		ISO160/NW25	ISO160/NW25
Noise	dB(A)	56	56
Cooling water consumption	l/h	120	120
Weight	kg	45	47
Power to Ultimate	kW	1.6	1.8
(in typical fab install at 700 Torr backing)	kW	1.5	1.7

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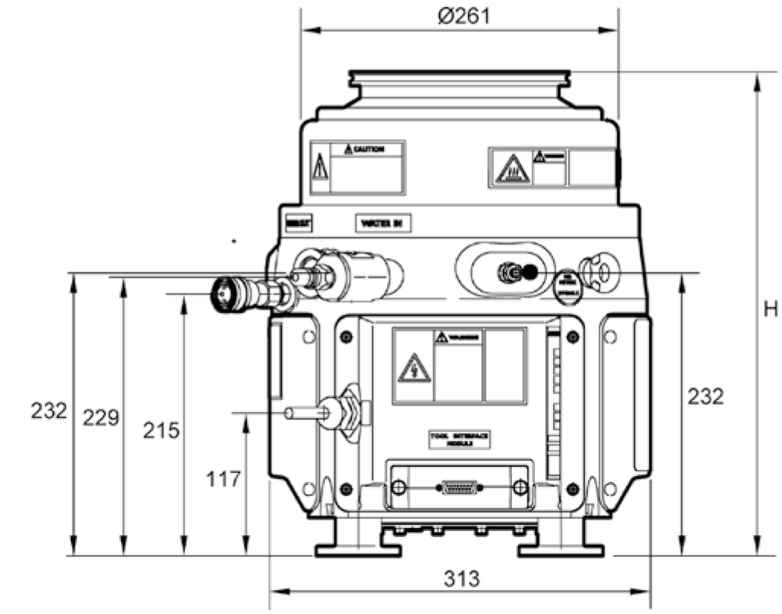
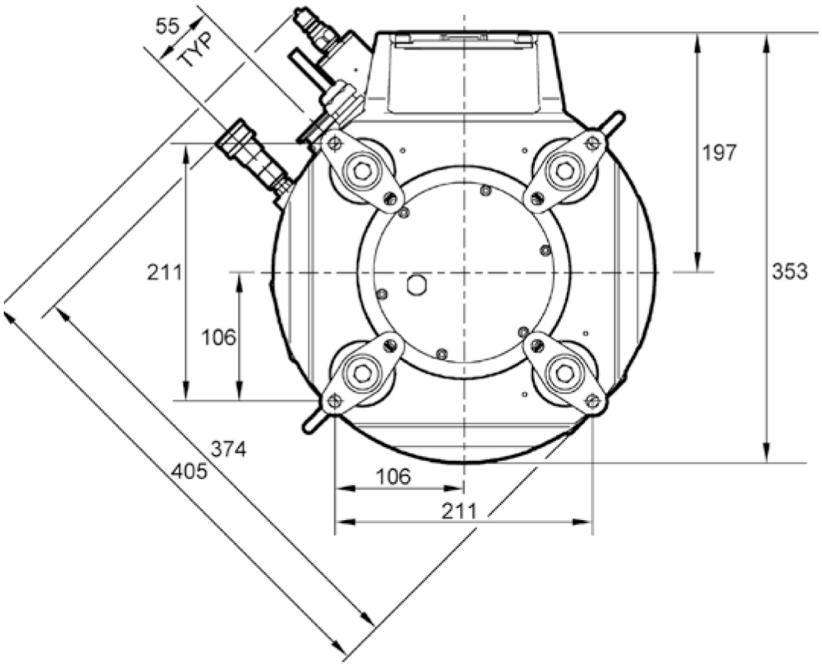
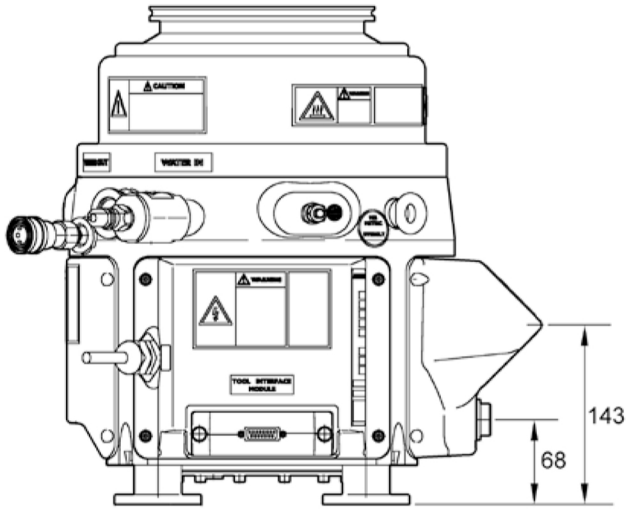
Dimensions

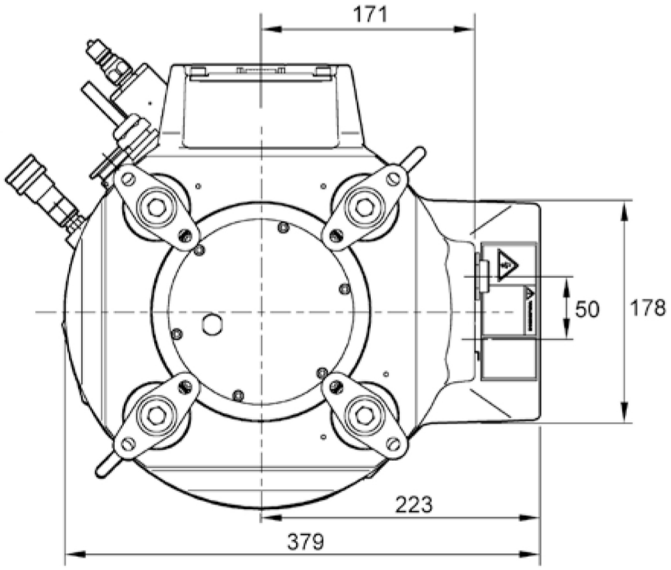
EPX-L





EPX-LE





H = 388 (EPX180)
H = 397 (EPX500)

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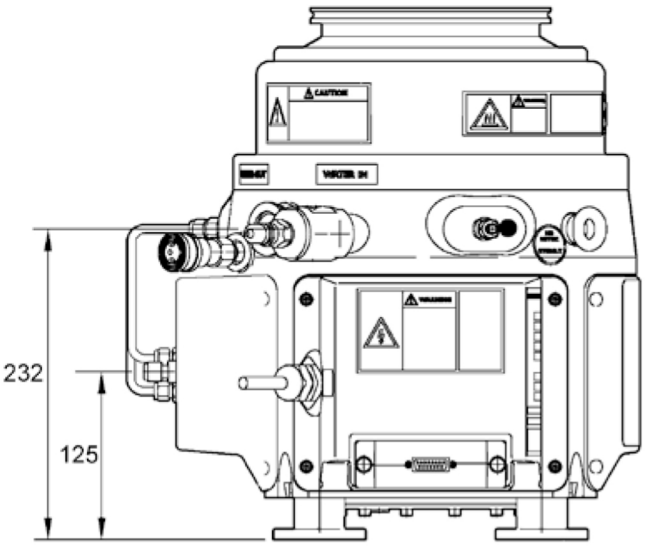
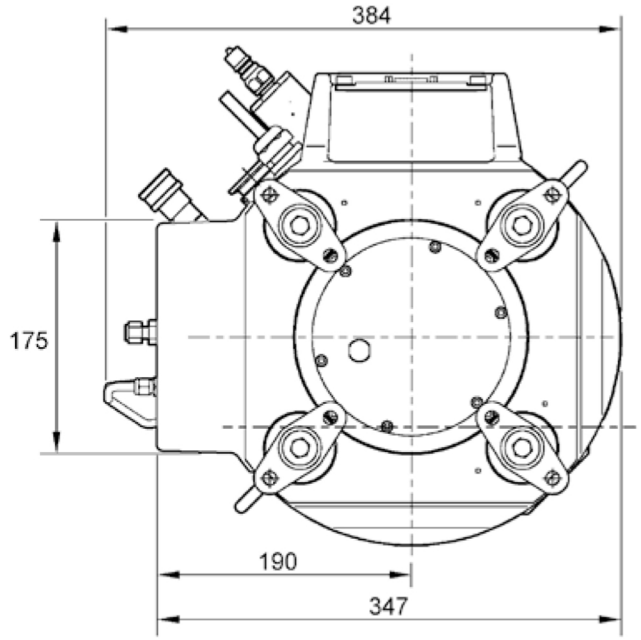
Edwards EPX-180, EPX-500

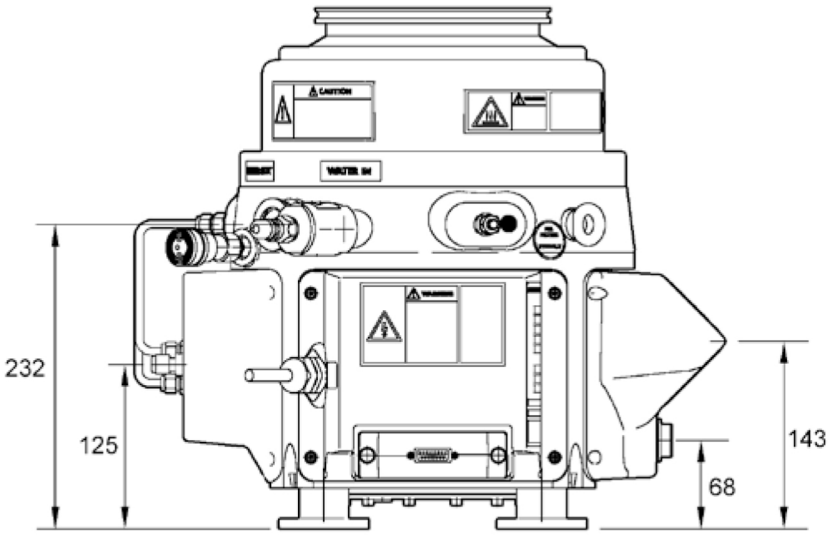
Dimensions cont.

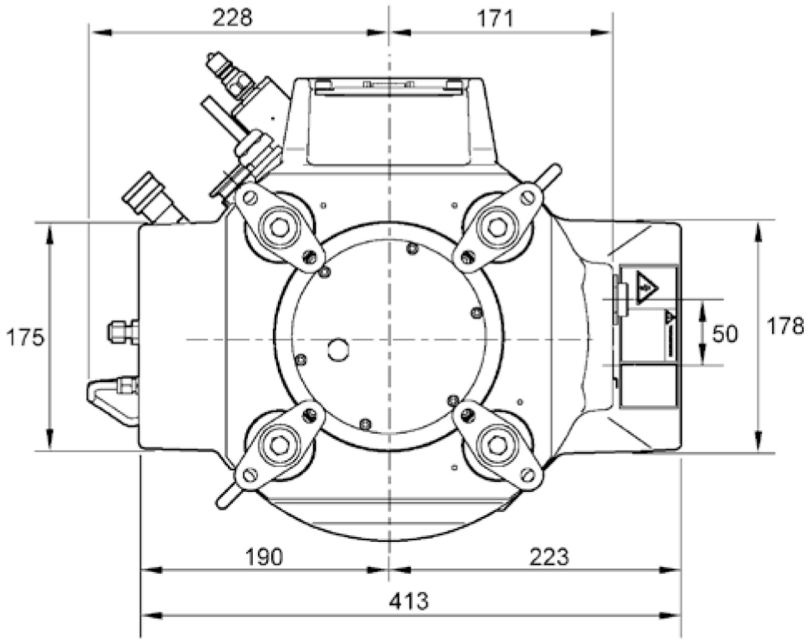
EPX-N





EPX-NE





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Features & Benefits

- can be integrated into a process tool or mounted remotely
- integrated electronics provide simple communication connections
- supports clean & light duty semiconductor processing applications
- unique, patented mechanism
- low ultimate pressure & vibration
- low service cost, zero periodic maintenance
- lightweight, small footprint
- plug & pump tool interface
- wide application range

Applications

- semiconductor • ash/strip • implant end station applications

Pumping Curves