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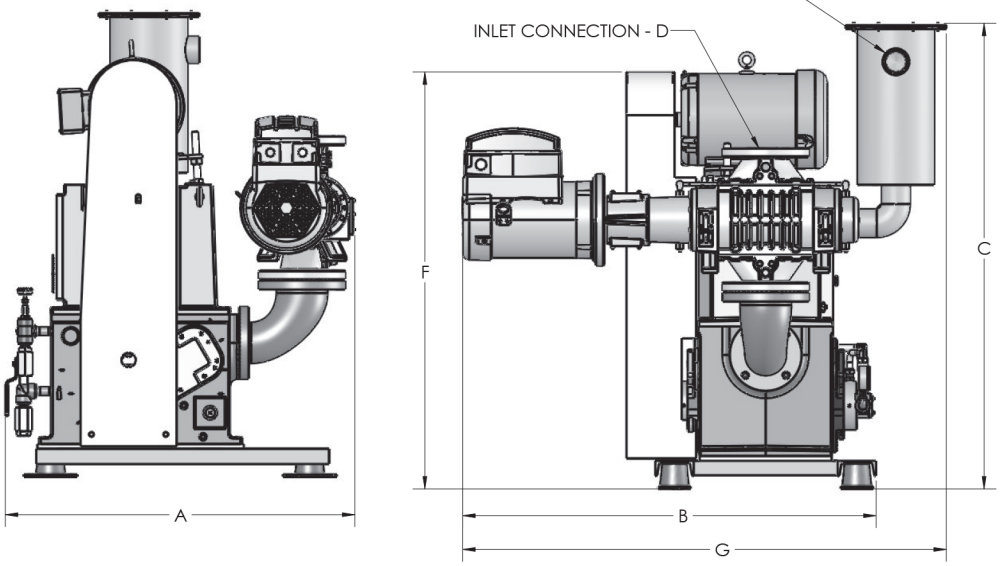
Kinney CBV series
Technical Specifications

System Model	Hz	CIP[1] (Torr)	Maximum COP[2] (Torr)	Booster Model	Displacement CFM / m³/h	HP / kW	Pump Model	Displacement CFM / m³/h	HP / kW
CBV4015	60	760	760	400	400 / 680	5 / 3.7	KT-150	150 / 250	7.5 / 5.5
	50								
CBV7230	60			720	720 / 1220	7.5 / 5.5	KT-300	300 / 500	15 / 11
	50								
CBV1250	60			1200	1200 / 2040	10 / 7.5	KT-500	500 / 850	30 / 22
	50								
CBV2085	60			2000	2000 / 3400	10 / 7.5	KT-850	780 / 1330	40 / 30
	50								

[1] CIP = Cut-in Pressure | [2] COP = Maximum Continuous Operating Pressure

Dimensions



System Model	A	B	C	D (Inlet)	E (Discharge)	F	G
CBV4015	36 914	39 991	48 1219	4" FLG	3" NPT	44 1118	48 1279
CBV7230	42 1067	48 1219	58 1473	4" FLG	3" NPT	58 1473	57 1448
CBV1250	54 1372	53 1346	72 1829	6" FLG	4" FLG	65 1651	68 1727
CBV2085	57 1448	78 1981	86 2184	8" FLG	5" FLG	75 1905	80 2032

(INCHES / MILLIMETERS)

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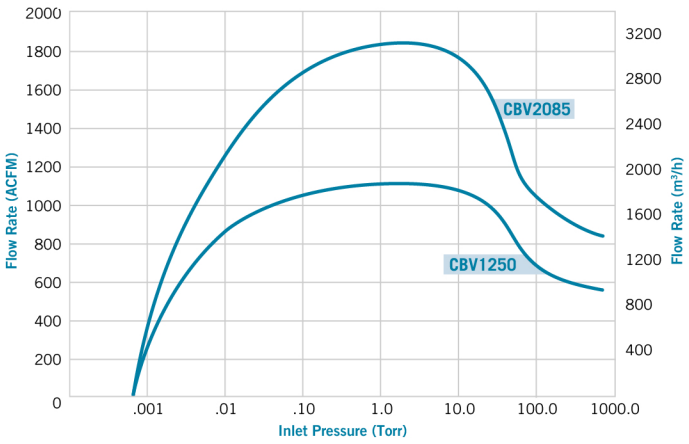
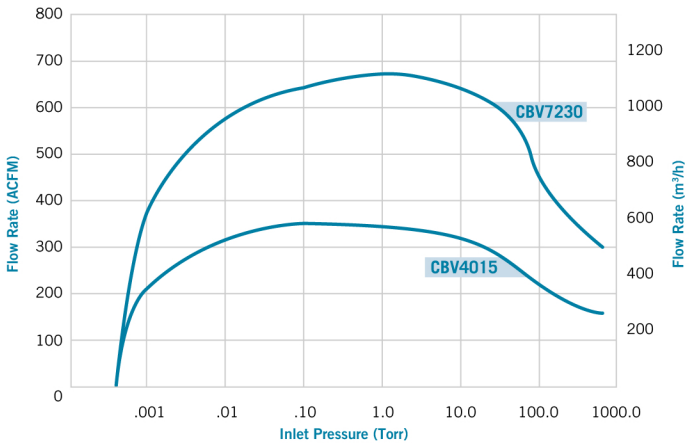
Pumping Curves

CBV 1250, CBV 2085



CBV 4015, CBV 7230



Features & Benefits

- combines Kinney KT piston pumps & vacuum boosters with VSM technology
- space efficient package
- continuous, high pumping capacity up to 10 microns
- suitable for applications where rapid pump down is required
- VSM booster motor VFD tuned & programmed by manufacturer
- reduced vacuum pump down cycle time by 30-40%
- no unique “bypass” booster needed
- no vacuum switch required to start booster

Applications

- vacuum furnace • vacuum coating • sputtering • space simulation