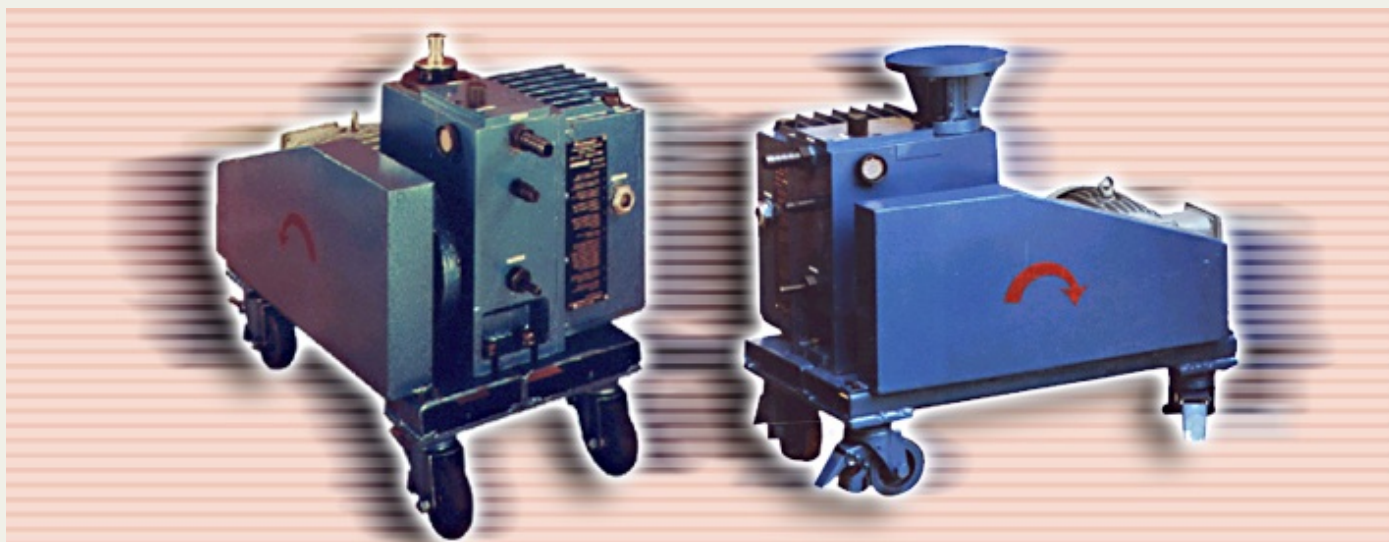


Beltt Drive Rotary Vacuum Pumps

MODELS: CD-90 & CD-120



HINDHIVAC Rotary Vacuum Pumps are suitable for research as well as industrial applications. These water cooled pumps are specially designed for continuous vacuum pumping operations.

Raw materials are chosen keeping in view of the continuous pumping requirements. Pressure tight, special grade, fine grain castings and high carbon steel for internal parts are hardened and ground to close tolerances. These ensure noise and vibration at negligible minimum levels. Compactness and minimum oil charge are the highlights of the design feature.

The double stage pumps have gas ballast facility to pump most condensable vapours without any notable oil contamination. A filter is incorporated in the gas ballast valve to prevent atmospheric dirt from entering the pump. An antisuck-back facility prevents oil entering the system in the event of pump being switched off due to power failure.

Application: Impregnation, Nuclear Particle Study, Electronic Tube Evacuation, Lamp Exhausting, Air Conditioning and Refrigeration, Freeze Drying, Gas Circulation, Vacuum Forming, Filtration, Metallising, Distillation, Vacuum Lifting, Dehydration, Vacuum Metallurgy, Vacuum Sublimation, Packing Operation, Bottle filling operations etc.

Salient Features:

- Positive Anti Suckback
- Effective Gas Ballast
- Low oil charge
- Water cooled
- High water vapour handling capacity.
- Rated for continuous running

TECHNICAL SPECIFICATIONS

Particulars	Model	Model
	CD-90	CD-120
Nominal pumping speed		
M ³ /Hr	90	120
Lit/Min	1500	2000
Ultimate partial pressure		
(on Mcleod Gauge)		
Gas Ballast closed (m.bar)	1x10 ⁻³	1x10 ⁻³
Gas Ballast open (m.bar)	1x10 ⁻²	1x10 ⁻²
Weight (kgs)	440	450
Max. nominal power rating(K.W.)	3.7	5.5
Pump rotational speed		
(at no load r.p.m)	460-490	560-590
Oil capacity (Lits)	7.5	7.5
Inlet flange (ISO-KF)	KF-50	KF-50
Recommended oil	HINDHIVAC Molecular Distilled Oil: Grade MD-504	

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