

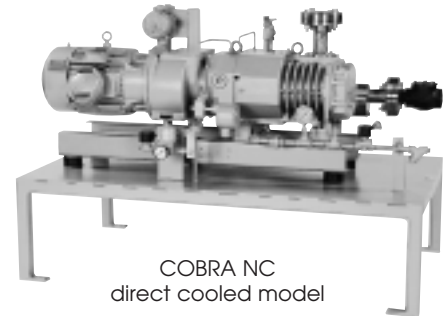
DRY SCREW VACUUM PUMP

MODEL: COBRA NC



DESCRIPTION

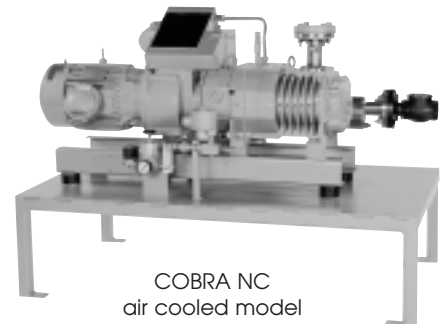
The COBRA NC single stage, direct driven dry vacuum pump, with its unique rotary screws, is designed for difficult applications in the pharmaceutical and chemical processing industries. It requires no intercoolers and offers greater efficiency and easier maintenance than other types of dry vacuum pumps. COBRA NC pumps provide vacuum down to 0.075 torr, and pumping speeds up to 180 ACFM. They will operate at any pressure from atmosphere down to ultimate pressure. COBRA NC pumps are available as direct cooled or with closed loop air cooling. For higher pumping speeds and lower ultimate pressures, Busch offers COBRA/booster systems along with many other custom designed vacuum systems.



COBRA NC
direct cooled model

STANDARD EQUIPMENT

- NEMA C-Face motor, explosion-proof Class 1, Group C and D, Div. 1, Service Factor 1.15
- Seal gas pressure switch
- Cooling water flow control system
- Cooling water temperature switch and gauge
- Exhaust gas temperature switch
- Exhaust silencer 316 SS
- Exhaust check valve
- Stainless steel inlet flange and muffler



COBRA NC
air cooled model

OPTIONAL EQUIPMENT

- Inlet particulate filter
- Combination knockout pot/inlet filter
- Automatic start/stop purge package
- Automatic solvent flushing package
- Pressure control system
- Junction box
- Control panel
- First out annunciator panel
- Precondenser
- Aftercondenser
- Variable frequency drives for process control
- Food grade lubricant
- Other coatings available
- Closed loop cooling systems
- Purging system for flushing of toxic and condensable process gas

FEATURES

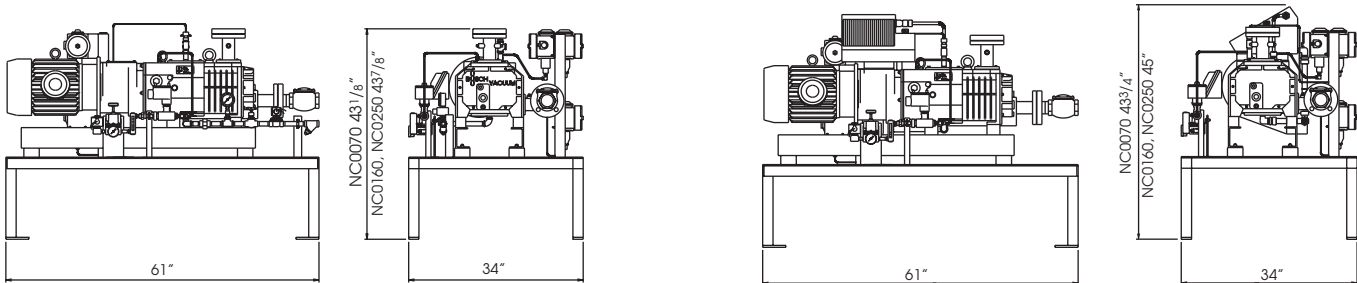
- Oil-free operation - no disposal costs, easy product recovery, environmentally friendly
- Simple screw design - fewer parts, easier maintenance
- Single stage - no intercoolers required
- Small footprint - for less space requirements
- Noncontacting parts - for longer pump life
- Low vibration and noise levels
- Straight, short flow path for quick discharge
- Mechanical shaft seals
- Protective PTFE coating on internal parts
- Protective instrumentation
- Low coolant requirements
- Can accept liquid injection in special applications - for flushing or cooling

DRY SCREW VACUUM PUMP

MODEL: COBRA NC



DIMENSIONAL DATA



COBRA NC direct cooled model

COBRA NC air cooled model

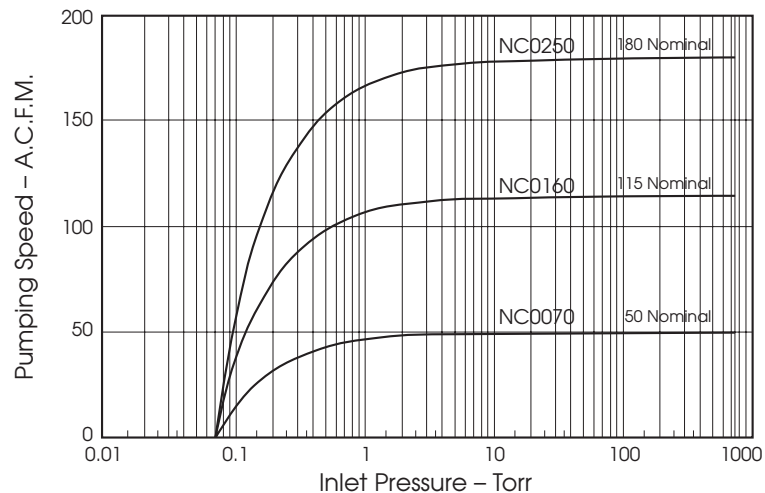
STANDARD SPECIFICATIONS

COBRA Model		NC0070	NC0160	NC0250
Nominal pumping speed	ACFM	50	115	180
Free air displacement	CFM	58	135	210
Maximum sound level	dB(A)	75	82	82
Ultimate pressure	Torr	.075	.075	.075
Motor size	HP	5	7.5	15
Motor rotational speed	RPM	3600	3600	3600
Oil sump capacity	Qts	2	2	2
Water usage rate*	GPM	1	1	1
Inlet connection	NPT	1 1/2"	2"	2"
Outlet connection	NPT	1 1/4"	2"	2"
Approx. weight w/ motor & base	Lbs	1000	1400	1600

Consult factory for blower/pump systems with higher capacities and lower ultimate pressures. *Applies to direct cooled models only.

PERFORMANCE DATA

(Based on 60 cycle motor)



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