MC-3

Multistage Centrifugal Turbo Blower

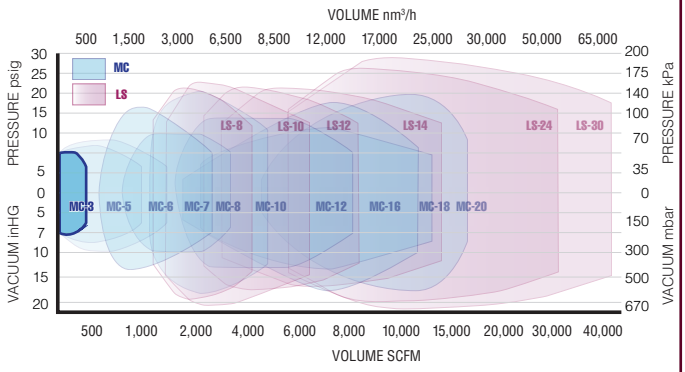
Model MC-3

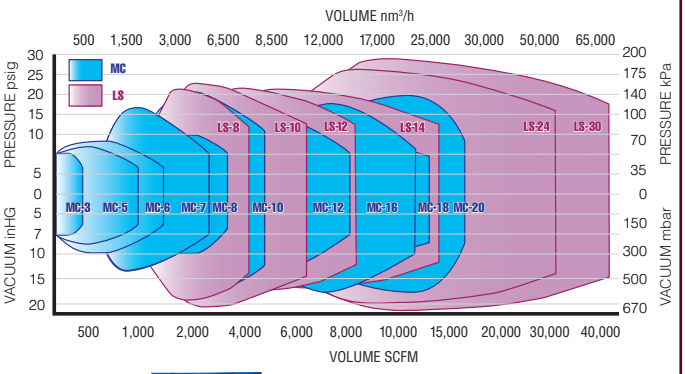
Standard Specifications

Gas	Air, Steam, H2S, Biogas, Fuel Gas, CO2, N2, LNG, Custom
Flow Range	100% to 45% of Rated Flow*
Pressure Range	Up to 5 PSIG / 350 mbar Delta
Maximum Case Pressure	15 PSIG / 1 bar
Stages	1 to 11 (12 at 50Hz)
Drive Type	Direct Coupled, Belt Drive
Power Driver Options	Electric 2-Pole Motor
Cooling	Self Cooled Air
Lubrication Options	Grease
Bearings	Anti-friction type AFBMA L10 up to 300,000 hrs
Enclosure	Optional
Sound Level	< 85 dba
Sound Level with Enclosure	Job Specific
Filtration Rating (std)	98% at 10 micron, or as required
Seals Air	Labyrinth Type
Seals Gas	Closed Grease with Stuffing Box
Shaft End Dimension	1.125 in (28.58 mm) diameter at coupling
Inlet / Outlet Flange Size	3" / 3" ANSI 125# Drilling, DIN 80 Adapter Flange

Service

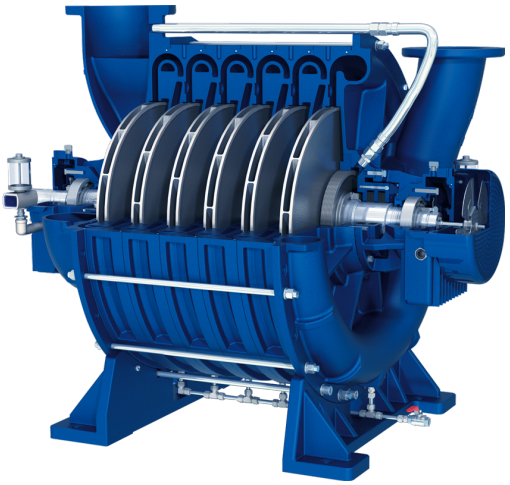
Air, Gas, Pressure, Vacuum





Control Options

Control Methods	Variable inlet valve, speed control, blow off, or combination
Local Controller	sLOC™ Standard - Custom for Allen Bradley, Modicon, Siemens or Other
HMI	sLOC™ Standard or Custom HMI
Remote Montioring	sLINK™ or Custom
Control Set Points	Pressure, Flow, Power, Custom Input

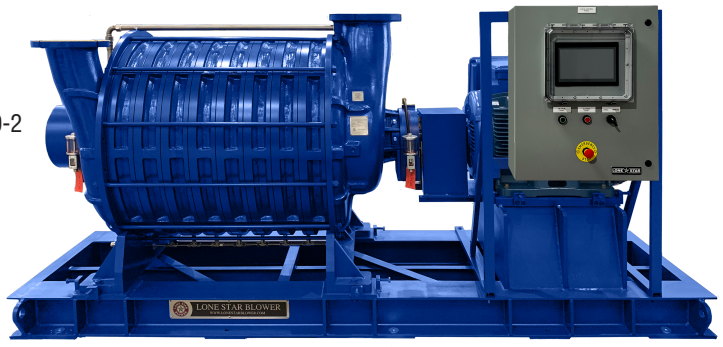


Standard Materials of Construction

Casing, Volute	ASTM A48 Class 25/30 Cast Iron, Ductile
Bearing Housings	ASTM A48 Class 25/30 Cast Iron, Ductile
Impeller	ASTM A365 T6 Cast Aluminun
Shaft	ASTM A109 1045~, Stainless Steel
Seals Air	ASTM B86 Z25631 Zinc Alloy, Aluminum
Joint Sealing of Casings	RTV Silicon or O-Ring
Blower Base Skid	ASTM A36 Structural Steel
Isolation Pads	Neoprene Rubber
Finish	2 Part Epoxy Lone Star Blue RAL5005

Optional Testing & Certifications

API	API 617, API 672 Features
Electrical	UL 508A, CE, CSA
Hazardous Location	ATEX, Class1 - Division 1- Division 2, Zone 0-2
Balancing	ISO 1940, G2.5 grade
Noise Level	OSHA 1910.95, ISO 2151:2004
Performance	ASME PTC-10, PTC-13, ISO 5389
Hydro Testing	1.5 Time MAWP
Overspeed Testing	Optional
Positive Material ID	XRF, OES, Material Certification
NACE Compliance	Optional
Special Coatings	Optional



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** Information is approximate and can change without notice / * Air Performance Based on 1 Atm, 68F/20C, 36% RH and 3550 rpm*