MS71L - MS301L

OIL LUBRICATED
MAPLE VACUUM SYSTEM

MAKE IT BECKER.

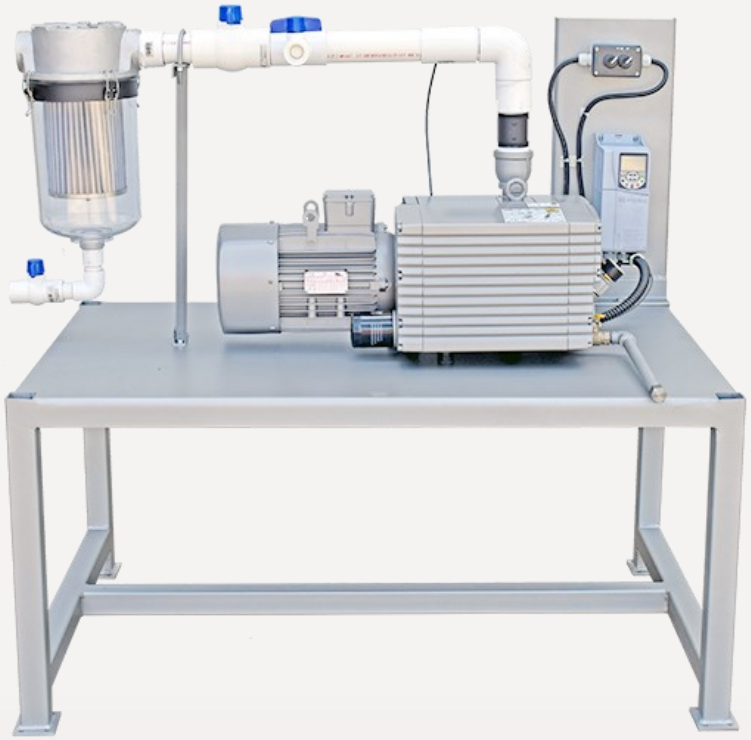

figure TE250D system

MODEL	HP	END VACUUM ("Hg)	OPEN FLOW (SCFM)	NUMBER OF [1] TAPS	INLET SIZE (IN)	SOUND [2] dB(A)	BTU/HR (Max Vac)
MS65L	2.4	29.9	50	2,500-5,000	1.25	71	3,940
MS101L	3.5	29.9	70	3,500-7,000	1.25	68	5,120
MS166L	6	29.9	116	5,800-11,600	2.0	72	8,1900
MS201L	8.9	29.9	141	7,050-14,100	2.0	74	11,600
MS301L	12	29.9	211	10,550-21,100	2.0	76	14,090

(1) Recommendation ONLY, true number depends on terrain and setup.
(2) Per Pump dB(A) – According to DIN EN ISO 3744 (KpA = 3db(A)), 39.4 inch distance, at medium load, both connection sides piped
(3) All values listed are at 60Hz
(4) Reference data (atmosphere) 0"HgV,68°F; Tolerance: ±5%

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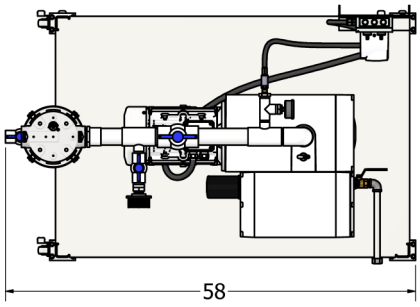
MAPLE SYSTEM FEATURES

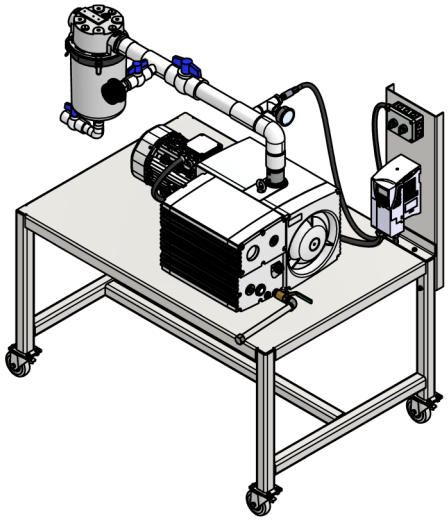
BECKER MAPLE VACUUM SYSTEM

Pneumatic vacuum system designed for efficient maple sugar extraction. Features one Becker brand vacuum pump, with integrated filtration and frequency control. Accepts single phase or three phase input power. Pump and control components mounted to mobile stand. All systems are tested for leaks and functionality before shipping.

The Maple system includes:

- One Becker Oil Lubricated Rotary Vane vacuum pump
- Single phase to three phase power converting
- Variable Frequency Drive
- Clear filtration canister

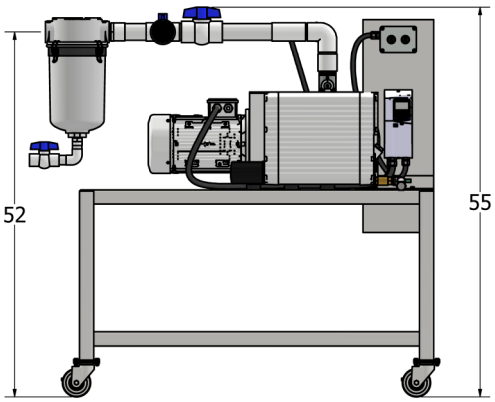


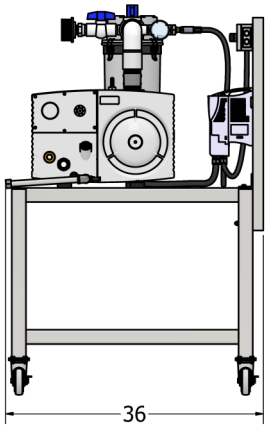


VACUUM PUMP

All pumps used on systems are Becker Manufactured and individually tested at factory before shipping. Becker oil lubricated rotary vane vacuum pumps feature:

- End vacuum of 29"Hg+
  - ∗ Gas ballast to cleanse pump of ingested liquids & vapors Increases overall pump lifespan.
- Anti-return valve
- Full Synthetic Vacuum Pump oil (ISO-100)
- Oil sight glass for visual inspection
- Liquid filled vacuum gauge installed at the pump
- Simple maintenance procedures
- Single shaft direct drive through coupling
- IE3/NEMA PREMIUM efficiency motors
- TEFC Motors





Dimensions in inches.
Approximate dimensions; actual dimensions may vary.
All dimensions are subject to change.

PLUMBING

The vacuum pump is plumbed to a clear canister filter, with manual drain, to protect the pump against liquid ingestion. A check valve is installed to prevent backflow and a ball valve is installed for pump isolation. A bleed valve with filter is installed to assist with moisture trap draining.

CONTROLS

The Becker Maple vacuum system utilizes a Variable Frequency Drive (VFD) and a vacuum transducer for two control options.

1. Manual Control
   - ∗ Allows for control based on user set frequency (30-60Hz)
2. Automatic Control
   - ∗ Controls system based on feedback from vacuum transducer to maintain a constant vacuum level

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