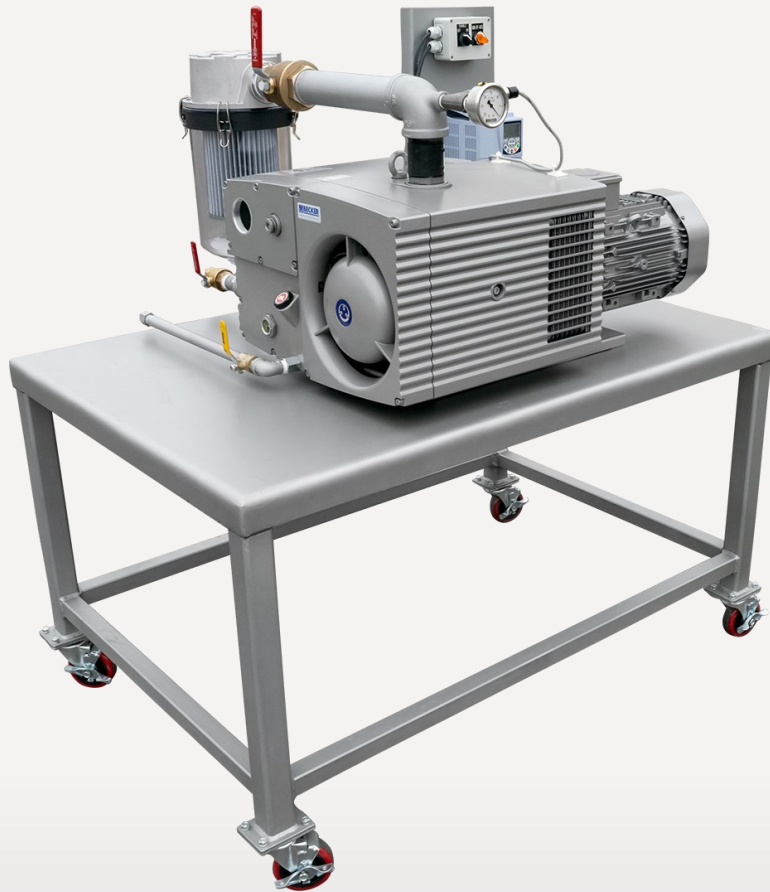


MS60D - MS250D

# DRY ROTARY VANE MAPLE VACUUM SYSTEM

MAKE IT BECKER.



MODEL	HP	END VACUUM ("Hg)	OPEN FLOW (SCFM)	NUMBER OF <sup>1</sup> TAPS	INLET SIZE (IN)	SOUND <sup>2</sup> dB(A)	BTU/HR (Max Vac)
MS60D	3.5	27	39	1,950-3,900	1.0	73	6,141
MS80D	3.5	27	48	2,400-4,800	1.0	75	7,950
MS100D	4.8	27	69	3,450-6,900	1.5	77	11,737
MS140D	6.0	24	95	4,750-9,500	1.5	79	16,037
MS250D	8.9/12.1	25/27	170	8,500-17,000	2.0	79	22,861

(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%



# 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 Dry Rotary Vane vacuum pump
- Single phase to three phase power converting
- Variable Frequency Drive
- Clear filtration canister

## VACUUM PUMPS

All pumps used on our systems are Becker Manufactured and individually tested at factory before shipping. Becker oil-free rotary vane vacuum pumps use a carbon/resin composite material unique to Becker. Our Advantage X systems feature our long lasting vane design for an extended vane life of 20,000 hours. Additional specifications are:

- End vacuum of 25"Hg-27"Hg (Model Dependent)
- Integrated 2-micron paper inlet filter
- Carbon dust separator and vacuum safety relief valves

- Liquid filled vacuum gauges installed at the pump
- Quick and simple maintenance procedures
- DT25-DT40 – Direct drive integrated motor
- DT60-DT250 – Single shaft direct drive through coupling
- IE3/NEMA PREMIUM efficiency motors
- TEFC Motors

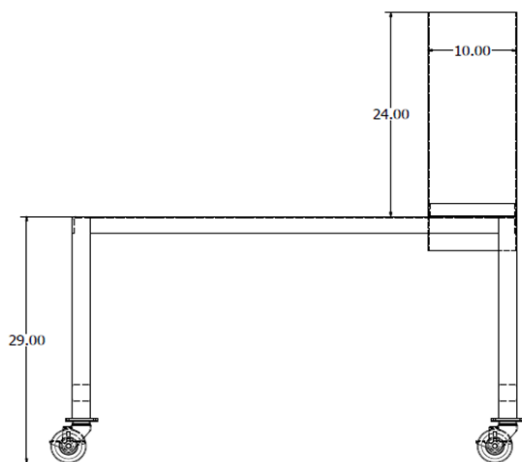
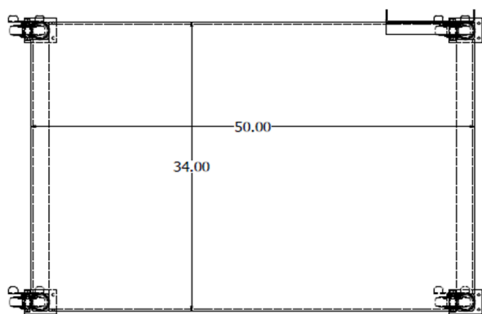
## PLUMBING

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.

## 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



Maple Stand Dimensions  
Pump and plumbing not shown.

