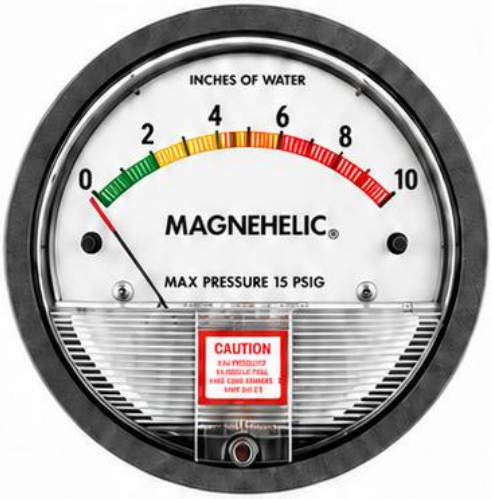
VACUUM SYSTEM GAUGE GUIDE

How to Read Your System at a Glance

⚠️ **IMPORTANT:** Gauge readings vary depending on system size, hose length, number of users, and airflow. Focus on what is **normal for your system** and watch for changes over time.

FILTER SEPARATOR GAUGE



(inH_2O) — Differential gauge showing filter condition

0.1 – 2.0 inH_2O	✓	Clean & Normal
2 – 4 inH_2O	⚡	Starting to load
4 – 5 inH_2O	⚠️	Service filters soon
5+ inH_2O		Service filter now / Check system

ARCH MINI PRESSURE GAUGE

(inHg) — Pressure gauge showing airflow at each vacuum station

TEST NOTE: Hang all vacuum hoses before testing the system.

Below 2.5 inHg	⚠️	Low airflow at station
2.5 - 6.6 inHg	✓	Normal operating range
6.6 - 8 inHg	⚡	Strong suction
8 inHg max		System maximum

Recommended ranges are general guidelines. Establish a baseline for each system after installation.

WHAT YOUR GAUGES ARE TELLING YOU

- ✅ **Good System:** Filter gauge low & stable + station gauges in the normal range (2.5–6.6 inHg)
- ⚠️ **Low Airflow:** Station gauge below 2.5 inHg indicates low airflow at that station
- ⚠️ **Loading Filters:** Rising filter gauge means the vacuum bags are getting dirty
- 🔴 **High Filter Reading:** Service vacuum bags / filters now

QUICK DIAGNOSTICS: COMBINE BOTH GAUGES

FILTER GAUGE (inH_2O)		PRESSURE GAUGE (inHg)		WHAT IT MEANS
Low (0.1–2 inH_2O)	+	Normal (2.5–6.6 inHg)	=	✅ **System running properly**
Low (0.1–2 inH_2O)	+	Low (<2.5 inHg)	=	⚠️ **Low airflow at station** — check hose, arch, or airflow
High (2+ inH_2O)	+	Normal (2.5–6.6 inHg)	=	⚠️ **Filters loading** — monitor & plan service
High (4+ inH_2O)	+	Low (<2.5 inHg)	=	🔴 **Service filters now** — airflow is restricted

🔑 KEY TAKEAWAY

These gauges are your diagnostic tools. Consistency matters more than the exact numbers.

Filter Gauge = Filter Condition • Station Gauge = Airflow / Performance

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