



Airvac Vacuum Pump Modulation

The Busch Mink pump has replaced the R5 series pump as the Airvac standard. Furthermore, Busch has modified certain models of the Mink pumps specifically for Airvac for use in a vacuum system. The result is leading edge vacuum pump technology available for use in existing and new vacuum systems.

Advantages

Mink Pumps

Compared to the R5 pump, the Mink pump offers these advantages:

- They are more efficient than the R5 pumps
- They can operate at variable speeds (modulated) w/out affecting system performance
- They do not use oil which eliminates oil changes
- They save space in a stackable configuration

Modulation

By adding VFD's and modulating the Mink pump, these additional benefits result:

Significant savings in power costs

- Much quieter when operated at partial speed
- Pumps react to system demands without an operator responding
- Peaks and valleys of vacuum levels are evened out
- Overall reduction in maintenance costs

Reduce power consumption by as much as 35%

If your vacuum pumps run more than 3 or 4 hours a day, upgrading to Mink pumps and modulating them will reduce your energy consumption. The longer your pumps run, the more savings you'll realize. Power savings up to 35% have already been reported by customers who have done this.



Specifications

BUSCH MINK PUMPS Modified for use in Airvac systems		
Capacity	Busch Model #	Type
165 cfm	MM1252.AVA6.11XZ	Horizontal
212 cfm	MM1322.AVA6.11XZ	Horizontal
277 cfm	MM1402.AVA6.ZZXZ	Horizontal
353 cfm	MM1502.AVA6.ZZXZ	Horizontal
677 cfm	MM1202.AVA6.11XZ	Horizontal
277 cfm	MV0502.B0A6.11XX	Vertical
353 cfm	MV0602.B0A6.11XZ	Vertical
677 cfm	MV1202.A0A6.11RZ	Vertical

Upgrades

Ideal candidate

Are your R5 pumps nearing the end of their useful life? Are they losing efficiency? If so, Airvac can provide you with a free analysis which estimates the payback period by determining the cost to upgrade to Mink and adding the modulation feature. The payback period typically is 3 to 5 years.

What if I already have Mink pumps?

No problem. Just contact us if you have Mink pumps and want to consider adding modulation to take advantage of its many benefits.

All that is required is some simple data regarding your vacuum pumps, their run times and the cost of electricity (\$/KwHr). Contact us today to get started.



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AV012.0-US-en-REV0521

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