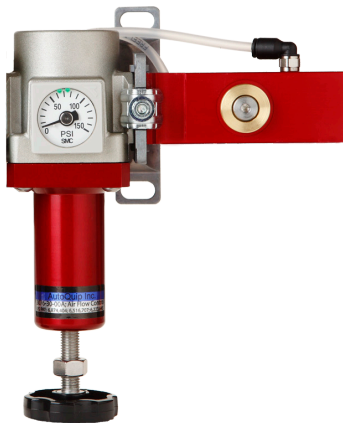


Autoquip has developed a combination air regulator/flow meter that when used in conjunction with the Autoquip Piston Air Engine will maintain a consistent agitator RPM speed. Fluid agitator speeds can vary up to 400 RPM depending on the liquid level in the vessel. This can cause trapped air or foaming in the material creating possible defect in the finished product. The Autoquip Closed Loop RPM Control dramatically reduces the RPM variance creating a consistent mix regardless of liquid level.

FEATURES & BENEFITS

- Systematically controls compressed air flow rate and pressure
- Regulates pneumatic piston air motor speed
- Reduces consumption of costly compressed air
- Maintains consistent coating integrity
- Extends air compressor life
- Reduces maintenance cost
- Eliminates RPM variable



OPTIONS/ACCESSORIES

3076-40-01A	Supply Control Valve
3114-ERPM-100	ECO-1M Air Engine RPM Reference Indicator
3114-ERPM-200	ECO-2M Air Engine RPM Reference Indicator
3114-ERPM-300	ECO-3M Air Engine RPM Reference Indicator
3114-ERPM-700	ECO-7M Air Engine RPM Reference Indicator



Supply Control Valve



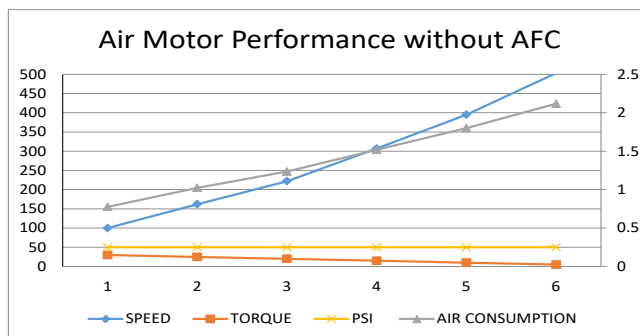
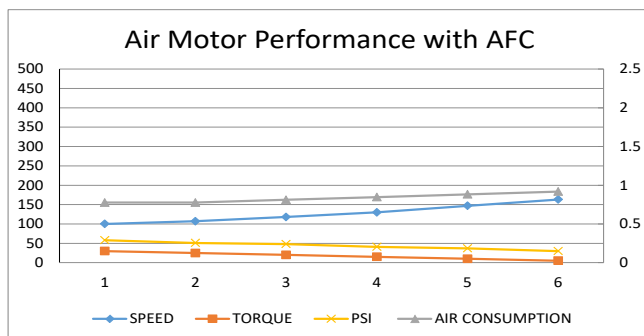
RPM Gauge

STANDARD ASSEMBLIES

3114-CLR3-000	Closed Loop RPM Control, 3/8" NPT
3114-CLR4-000	Closed Loop RPM Control, 1/2" NPT

TECHNICAL SPECIFICATIONS

Inlet size	3114-CLR3-000: 3/8" NPT (F)
	3114-CLR4-000: 1/2" NPT (F)
Outlet size	3114-CLR3-000: 3/8" NPT (F)
	3114-CLR4-000: 1/2" NPT (F)
Max. Air Input	100 PSI
Air Output	Up to 100 PSI (set by customer for application)



Autoquip tests were performed with a Model DSP7000 High Speed Programmable Dynamometer Controller. The tests are simulating how an agitator motor would operate as large tank or drum of material and the level changes from full to empty. Observations include: RPM's of air motor remains much more consistent with original speed settings, less usage of air as material is used.

LOOKING FOR MORE INFORMATION?

Visit www.aqautomation.com/products/air-flow-control for more information about Autoquip's Closed Loop RPM Control

At Autoquip we are dedicated to deliver high quality products, custom engineered solutions, and technical expertise that consistently meet or exceed our customers' expectations.

GET IN TOUCH

For other Autoquip product offerings, please visit us at www.aqautomation.com or email us at sales@aqautomation.com



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