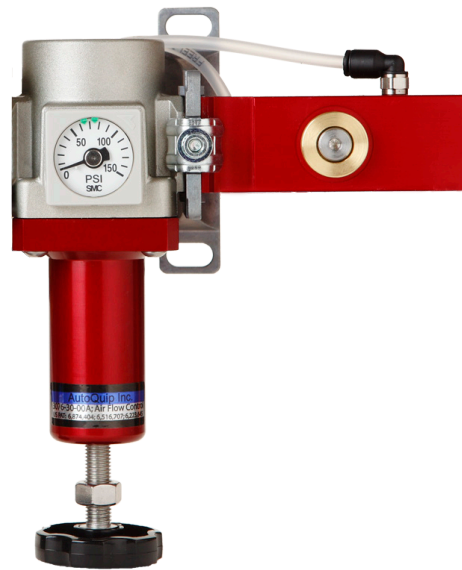


## *Need a Solution to Air Flow Control Problems? Autoquip has the Solution!*

The AQ Closed Loop RPM Control regulates air flow to mechanisms like pneumatically driven motors and cylinders. The device is designed to eliminate problems associated with efficiently transferring energy.

The AQ Closed Loop RPM Control incorporates a flow regulator to accomplish the control. When air flow is sensed, the flow regulator modulates the output pressure of the AQ Closed Loop RPM Control to maintain a specific flow rate and torque.



*Maintains agitator speed 6 times more efficiently than standard regulated air*

## Applications

- Paint agitator motor speed control
- Paint pump cycle limit control
- Paint spray gun atomization rate control
- Air sander speed control
- Air tool torque control
- Air cylinder rate and pressure control

# AUTOQUIP 3114-CLR3-000

## Closed Loop RPM Control

### Standard Features

- Systematically controls flow rate
- Reduces pneumatic problems caused by pressure drop hoses
- Regulates pneumatic motor speed and torque control

### Options

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

### Ordering Info

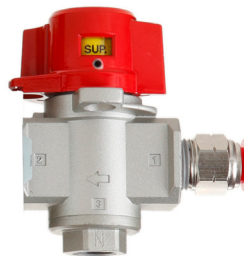
#### Closed Loop RPM Control

- |               |                                 |
|---------------|---------------------------------|
| 3114-CLR3-000 | Standard 3/8" Inlet/Outlet Port |
| 3114-CLR4-000 | Optional 1/2" Inlet/Outlet Port |

### Controlling Orifice - One Required Per Unit

- Standard Orifice #1 - 2.2ft<sup>3</sup>/min  
Standard Orifice #2 - 3.7ft<sup>3</sup>/min

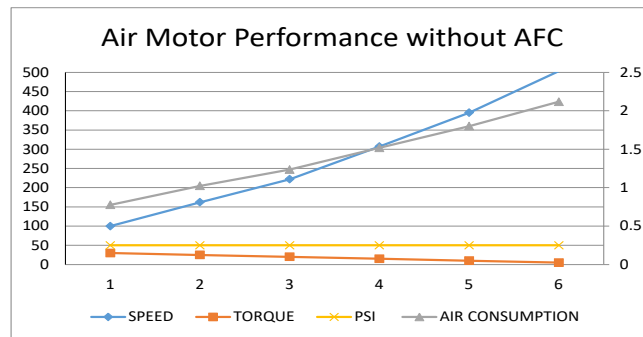
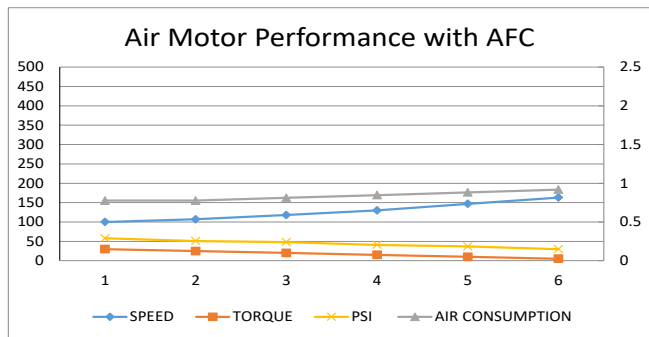
Other orifice sizes are available for special applications - call for more information



Supply Control Valve



RPM Gauge



Autoquip tests were performed with a Model DSP7000 High Speed Programmable Dynamometer Controller. The tests are simulating what an agitator motor does as a large tank or 55 gallon barrel of paint is used and the vessel 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.

[www.aqautomation.com](http://www.aqautomation.com)

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