

The Autoquip Fluid Regulator is designed to provide extremely accurate fluid regulation for automatic coating applications. The Autoquip design has eliminated the spring from the fluid section which greatly reduces the amount of trapped resins, reducing flushing time and spent solvents during color change. Pilot signals can modulate the regulator's diaphragm to control the amount of paint being delivered from the regulator to the spray applicator. Manually operated or electronically controlled air pressure regulators can be utilized to control the pilot signal for pumps, tanks, or any size circulation system.

Standard Features/Benefits

- **Manual or automatic control**
- **Highly accurate pressure settings, consistent pressures maintained**
- **Stainless steel and Teflon coated wetted parts for decreased color change time**
- **No spring in the fluid path for added performance**
- **Optional outlet fluid restriction for low flow and thin materials**
- **Optional advanced mounting features on back of regulator for easy connection**
- **Optional outlet fittings for removal of threads in fluid path**
- **Standard high strength, wear resistant grade 440 stainless steel fluid needle and seat**
- **Optional 300 series stainless steel fluid needle and seat**
- **Compatible with abrasives, solvents and water borne materials *optional 300 series**
- **5cc of paint volume held within regulator**



The following factors should be considered when selecting the regulator ratio required for proper fluid control:

- **Fluid tubing inside diameter (ID) and length**
- **Fluid feed tube inside diameter (ID) and length**
- **Fluid viscosity**
- **Fluid input pressures**

AUTOQUIP 3286

Fluid Regulator

Mechanical

Air Pressure: 100 PSI maximum
Cracking Pressure: 5 PSI minimum (B*)
12 PSI minimum (H*)

Fluid Input: 100 PSI (6.8 bar) maximum
(10 PSI minimum output pressure)

Fluid Output: Demand Pressure

Pneumatic/Fluid Connections

Air Pilot: #10-32 Thread
Fluid In: See Ordering Options Below
Fluid Out: 1/8" NPT (F) Thread

Regulator Order Options

3286-00-00B Fluid Regulator 440SS Seat 1/4" NPS (M)
3286-00-02B Fluid Regulator 316SS Seat 1/8" NPT (F)
3286-02-00B Fluid Regulator 316SS Seat 1/4" NPS (M)
3286-03-00B Fluid Regulator 440SS Seat 1/8" NPT (F)

**B = 5# Disc Spring*

3286-00-00H Fluid Regulator 440SS Seat 1/4" NPS (M) - Standard
3286-00-02H Fluid Regulator 316SS Seat 1/8" NPT (F)
3286-02-00H Fluid Regulator 316SS Seat 1/4" NPS (M)
3286-03-00H Fluid Regulator 440SS Seat 1/8" NPT (F)

**H = 12# Disc Spring*

Spare Parts

3286-440-00A Fluid and Needle Seat Rebuild Kit Hardened SS
3286-316-00A Fluid and Needle Seat SS
3286-50-00B Fluid Regulator Repair Kit w/ 5# Spring
3286-50-01H Fluid Regulator Repair Kit w/ 12# Spring

Ordering Info

Please contact your AQ sales representative at 262-781-6133 for more info.

*If conditions change after installation that requires a different low flow ratio, replacing the fluid outlet tube or gun tip orifice can easily alter this regulation.

Technical Specifications

Environmental / Physical

Height: 1-11/16" (45mm)
Height w/ fittings: 2-1/2" (65mm)
Diameter: 2-3/4" (70mm)

Orifices

3286-75-10A Fluid Restriction (with .010 orifice)
3286-75-14A Fluid Restriction (with .014 orifice)
3286-75-20A Fluid Restriction (with .020 orifice)
3286-75-29A Fluid Restriction (with .029 orifice)
3286-75-40A Fluid Restriction (with .040 orifice)

Options

3286-52-01A Mounting Bracket
3286-52-02A Angle Mounting Bracket

www.aqautomation.com

N57W13430 Reichert Avenue
Menomonee Falls, WI 53051
Ph: 262-781-6133 • Fx 262-781-6188
sales@aqautomation.com

AUTOQUIP
AUTOMATION

