



Air Regulators and Moisture Condenser Units

OPERATING INSTRUCTION AND REPLACEMENT PARTS

WARNING: For compressed air service only. Not to be used for life support systems. Read instructions for proper care in handling and operation. Use in Well Ventilated Area to remove fumes, dust or overspray. Always read and follow Cautions and Warning on materials being sprayed. **Maximum Air Pressure Supply 160 p.s.i.**

Paasche Air Regulators provide accurate pressure control, required for operating spray guns and other air operated equipment. Regulator assemblies can be arranged to provide multiple regulated outlets from one air source.

All parts are readily accessible and replaceable. The pressure controls can be set to obtain the desired pressure and locked into position by pushing the Adjusting Knob, thus pressure is predetermined and remains in set position. Regulators are equipped with air outlet shut-off valve. Standard Regulator arrangements are provided to fill most requirements. Special Regulator arrangements can be supplied to suit your requirements.



R2-1/4 or R2-3/8
Regulator (2 Valve Outlets)



R2-1/4M
Regulator and Condenser
(2 Valve Outlets)

Paasche Air Regulators control pressure to insure perfect atomization for Spray Guns. Their compact design permits installation in limited space and where independent regulation is needed in several places on production lines. They can be supplied with a variety of pressure controls. Pressure adjustments can be selected and set by locking the adjusting knob. Regulators have air outlet shut-off valves. Available in Standard and Special Assemblies.

Air Regulator Units

Model & Regulator	Pipe Size	Pressure Gauge	HF-1/4" Valve Outlets	Capacity @100lbs. Pressure (C.F.M.)
R2-1/4 (R-21A)	1/4" Regulator	(1) 60 lbs.	(2) 1/4" Valve	15
R2-3/8 (R-65A)	3/8" Regulator	(1) 160 lbs.	(2) 1/4" Valve	48
R4LT-1-1/4 (R-21A)	1/4" Regulator	(1) 60 lbs.	(1) 1/4" Valve	15
2R2-3/8 (R-65A)	3/8" Regulator	(3) 160 lbs.	(2) 1/4" Regulated (1) 1/4" Line	75

Moisture Condenser Units are used in combination with Air Regulators, and where other pressure controls are used. They extract contaminants such as rust, dirt and moisture from air lines to prevent damaging and clogging of Spray Gun Air Ports and/or damaging product finish. **No cotton, felt or fibrous filtering elements to remove and replace. These Manual Condensers are cleaned by opening Drain Valve at the bottom of the Condenser.**

Moisture Condenser (Extractor) Units

Model & Air Regulator	Air Regulator Sizes (Inches)	Capacity (C.F.M.) Manual Moisture Condenser
R2-1/4M (R-21A)	1/4" Air Regulator	15
R2-3/8M (R-65A)	3/8" Air Regulator	48
2R2-3/8M (R-65A)	3/8" Dual Air Regulator	75

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WARNING: MAXIMUM SUPPLY PRESSURE 160 P.S.I. — TEMPERATURE RANGE 40°F to 120°F

INSTALLATION:

Before installing, blow out airline to remove scale and other foreign matter. These units have tapered pipe threads; use pipe compound or tape sparingly on male threads. Install regulator in pipe line so the airflow is in the direction of the In-Out stamped on body. Install as near as possible to equipment serviced.

REDUCED PRESSURE ADJUSTMENT:

To unlock adjustment, pull knob up (out). Turn knob clockwise to increase the pressure and counter-clockwise to lower pressure. With relieving-type regulators, the reduced pressure follows adjustment of the screw. To lock adjustment, simply push knob (in). If tamper-proof feature is required, remove knob completely.

MAINTENANCE AND CLEANING:

If air supply is kept clean, the regulator should provide long uninterrupted service. Erratic regulator operation or loss of regulation is most always due to dirt in the disc area.

To Clean, shut off and depressurize airline and disassemble the regulator. Refer to drawings as a guide to disassembly and subsequent reassembly. Clean parts with household soap and blow out body with compressed air. When reassembling, make sure the seat is firmly in place and that the disc stem fits into center hole of diaphragm assembly. Tighten Housing and Bottom Plug slightly more than hand tight.

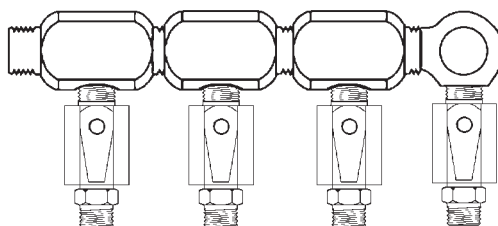
CAUTION:

1. Never use Carbon Tetrachloride, Trichlorethylene, Thinner, Acetone or similar solvents in cleaning any part.
2. To avoid Damage to Gauge; before turning on air supply, turn Adjusting Knob Counter-clockwise to reduce pressure setting of Regulator.

Regulator & Moisture Condenser Parts

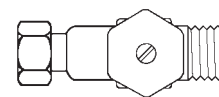


HF-1/4-90 Elbow
HF-3/8-90 Elbow

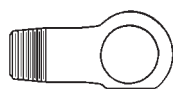


HFM-4-1/4 Manifold
HFM-4-3/8 Manifold

OTHER MANIFOLDS AVAILABLE; NOT SHOWN
HFM-2-1/4 Manifold HFM-3-1/4 Manifold
HFM-2-3/8 Manifold HFM-3-3/8 Manifold



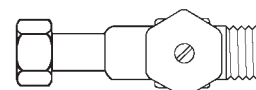
HFA-1/4 Swivel Valve



HFL-1/4-90 Elbow



HF-218 Adapter
(1/4" M x 1/4" F)



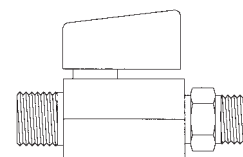
HFD-1/4 Swivel Valve



HF-342 (1/4" 3-Way Tee)
HF-342-3/8 (3-Way Tee)



GB-2-60# Gauge
GB-2-160# Gauge



HF-1/4 Valve Assembly
HF-3/8 Valve Assembly