



### Features

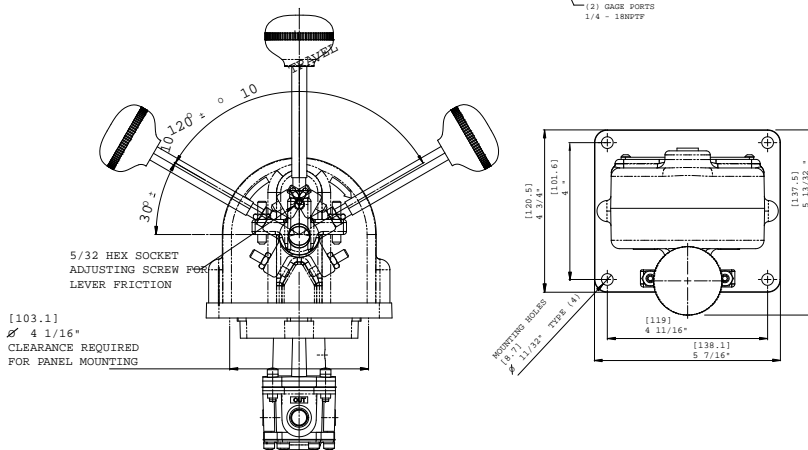
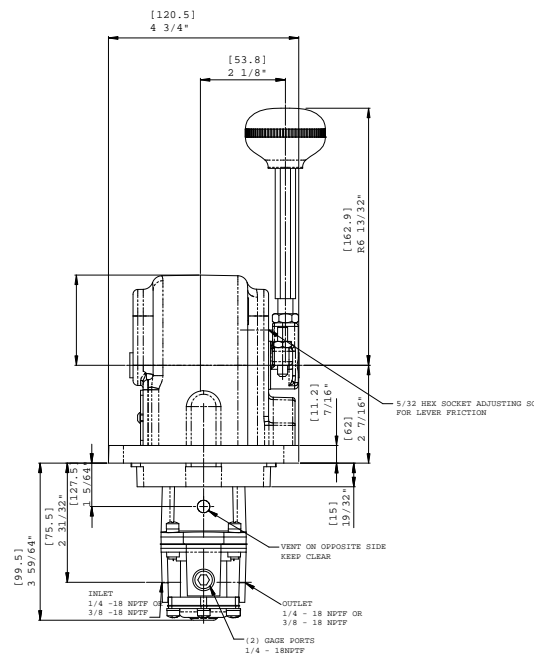
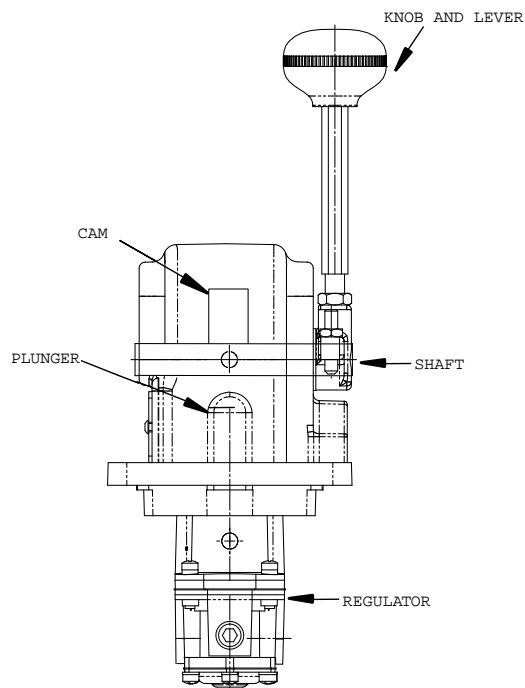
The Model 3400 Pneumatic Lever Operated Regulator is the combination of a Model 1000 High Flow Pressure Regulator and a hand held operated lever mechanism with 120 degree maximum travel.

- Sensitive to 1/2" Water Column which permits use in precision applications.
- Balanced supply valve minimizes the effect of supply pressure variation.
- Aspirator Tube minimizes downstream pressure droop under flow conditions.
- Soft supply and Exhaust Valves / Seats minimize air consumption.
- Separate Control Chamber isolates the diaphragm from the main flow, eliminating hunting and buzzing.
- Unit construction permits servicing without removal from line.
- Compact size maximizes economy in installations where space is limited.
- No-Bleed design minimizes consumption of air or inert gas.

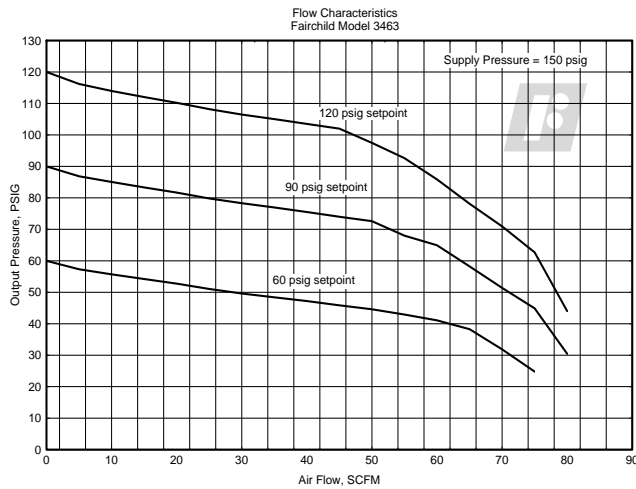
### Operating Principles

The Model 3400 Lever Operated Regulator is designed to allow rapid changes in pressure settings at control stations and test panels. This high quality unit, capable of handling high flows and exhausts combines positive control with good sensitivity.

The Model 3400 is recommended for use in systems requiring the execution of linear pressure features such as the control of a throttle in an engine or engine room. The regulator is the logical choice for rapid, "hands on" control in a variety of applications, including construction machinery, industrial and oil rig equipment, and cylinder operation.



**Technical Information**



**Specifications**

**Supply Pressure**

250 psig, [17.0 BAR], (1700 kPa) Maximum

**Flow Capacity**

50 SCFM (85 m<sup>3</sup>/HR) @ (100 psig, [7.0 BAR], (700 kPa) supply, 20 psig, [1.5 BAR], (150 kPa) setpoint

**Exhaust Capacity**

8 SCFM (13.6 m<sup>3</sup>/HR) for downstream pressure 5 psig, [.35 BAR], (35 kPa) above set pressure

**Effect of Supply Pressure Variation**

Less than 0.1 psig, [.007 BAR], (.7 kPa) per 100 psig, [7.0 BAR], (700 kPa) change

**Sensitivity**

0.5" (1.27 cm) Water Column

**Ambient Temperature Limits**

-40°F to +200°F, (-40°C to + 93.3°C)

**Mounting**

Panel

**Materials of Construction**

Body.....Zinc  
Diaphragms .....Buna N and Dacron  
Trim .....Zinc Plated Steel and Plastic

**Catalog Information**

Catalog Number

3 4

**Pressure Range**

psig [BAR] (kPa)

0.5-10 [0.035-0.7] (3.5-700) .....

2

0.5-30 [0.035-2] (3.5-200) .....

3

1-60 [0.07-4] (7-400) .....

4

2-150 [0.15-10] (15-1000) .....

6

**Pipe Size**

1/4" NPT .....

2

3/8" NPT .....

3

**Service Kit**

A Service Kit is available for the Model 3400. Refer to the *Fairchild Model 3400 Installation, Operation and Maintenance Instructions*, IS-10003400.