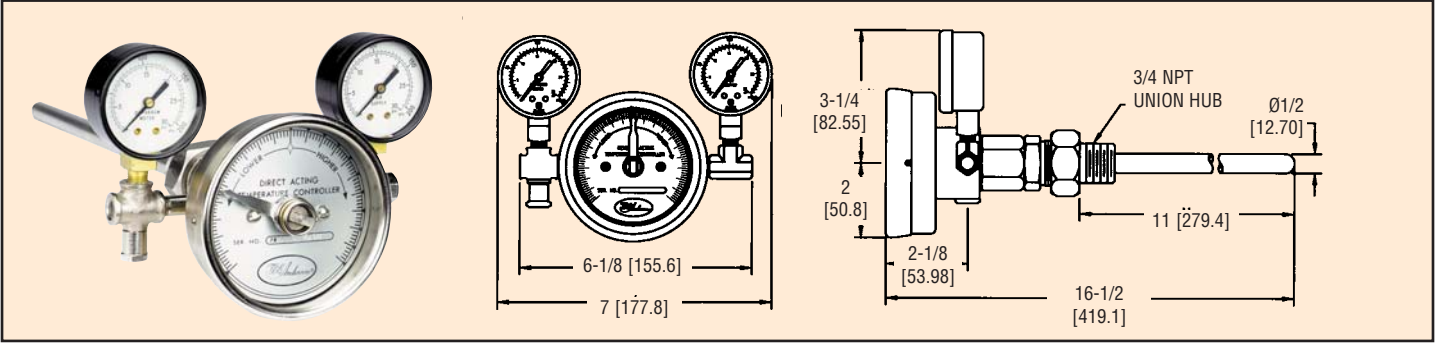




Series
7R

Temperature Controller

Low Cost, Choose Direct or Reverse Acting



Low Cost Series 7R Temperature Controller provides excellent process control when combined with the Hi-Flow™ Pneumatic Control Valve. This rugged unit utilizes time-proven bi-metal technology and can be installed in any position for application flexibility. The tamper resistant knob assures reliable, continuous operation. Precision gages provide accurate indication of supply pressure as it passes into the controller and outlet pressure into the pneumatic actuator.

Caution: Use of a supply gas other than air can create a hazardous environment because a small amount of gas is continuously vented to atmosphere.

SPECIFICATIONS

- Supply Pressure:** 20 psig (1.37 bar).
- Temperature Range:** 32 to 250°F (0 to 121°C).
- Output:** 3 to 15 psi (0.21 to 1.03 bar)
- Wetted Materials:** 304 SS.
- Process Connection:** 3/4" male NPT union hub.
- Air Connections:** 1/8" female NPT.
- Weight:** 4.125 lb (1.87 kg)
- Temperature Setpoint Scale:** Arbitrary linear.
- Standard Features:** Pneumatic input and output gages.

POPULAR MODELS

MODEL NO.	ACTION
7RD314	Direct
7RR314	Reverse

Suggested Specification

Temperature controller shall be installed for (direct)(reverse) acting service. Unit shall have adjustable tamper resistant knob. The outer stem shall be type 304 stainless steel welded construction, 12 inches (30.5 cm) long. The inner rod shall be constructed of invar nickel steel. Process connection shall be 3/4" NPT. Controller shall be W.E. Anderson Model No. 7R(D)(R)314.

Valves



Series
40VF

Pneumatic Lever Motors

Wide Selection of Travels and Forces — On-off — Throttling Control

DIMENSIONAL DATA

MODEL SIZE	A IN.(MM)	B IN.(MM)	C IN.(MM)	D IN.(MM)	E IN.(MM)	F IN.(MM)	G IN.(MM)	H IN.(MM)	I IN.(MM)
40VF5	6 3/8 (161.9)	3 3/8 (81.0)	1 1/2 (38.1)	5 1/4 (133.4)	4 (108.0)	17 1/2 (433.4)	7 (177.8)	4 (101.6)	19 1/2 (489.7)
40VF6	7 3/8 (182.6)	4 (101.6)	1 1/2 (38.1)	6 1/2 (160.3)	5 (133.4)	19 1/2 (495.4)	10 (254.0)	4 (101.6)	18 3/4 (473.8)
40VF7	9 3/8 (246.9)	6 1/2 (165.1)	1 1/2 (38.1)	7 3/8 (192.1)	6 1/4 (162.9)	25 3/8 (648.0)	13 (330.2)	4 (101.6)	20 1/2 (519.1)

CAUTION: Use of an actuator supply gas other than air can create a hazardous environment because a small amount of gas continuously vents to atmosphere.

W.E. Anderson Pneumatic Lever Motors are extremely versatile energy transmission devices providing superior control in the operation of dampers, louvers, rotary shafts, butterfly valves, etc. Strokes may be easily adjusted to combine with special pneumatic control signals for demanding applications.

SPECIFICATIONS

- Connections:**
 - Air Supply:** 1/4" NPT.
 - Lever:** 3/8" (7.94 mm) dia. hole, 3/8" (9.53 mm) width on 40VF5 & 40VF6; 1/2" (12.7 mm) width on 40VF7.
- Temperature Limit:** 180°F (82°C).
- Pressure Limit:** 50 psi (3.5 bar).
- Action:** Air-To-Lower.
- Materials of Construction:**
 - Diaphragm:** Molded BUNA-N rubber, nylon reinforced.
 - Housing, Frame & Lever:** Steel with baked enamel finish.
 - Spring:** Plated spring steel.
 - Push Rod:** Plated cold-rolled steel.
 - Spring Adjustment:** Plated cold-rolled steel, ball thrust bearing.
 - Lever Pivots:** Phosphor bronze, alignment-reamed.
- Options:** Factory-installed and calibrated PRECISOR® Positioner, custom calibrations: Air-To-Raise action.

STANDARD MODELS

MODEL NUMBER	A In.-(CM)	T. In. (MM)	K-LBF/In. (KG/MM)
40VF51003	20 (129)	1 1/2 (28.6)	100 (1.79)
40VF52003	20 (129)	1 1/2 (28.6)	180 (3.21)
40VF53003	20 (129)	1 1/2 (28.6)	260 (4.64)
40VF61003	45 (290)	1 1/2 (38.1)	100 (1.79)
40VF62003	45 (290)	1 1/2 (38.1)	180 (3.21)
40VF63003	45 (290)	1 1/2 (38.1)	260 (4.64)
40VF71003	80 (516)	2 1/2 (63.5)	100 (1.79)
40VF72003	80 (516)	2 1/2 (63.5)	180 (3.21)
40VF73003	80 (516)	2 1/2 (63.5)	260 (4.64)

Suggested Specification

Pneumatic Lever Motor shall be Air-To-Lower type with nylon reinforced BUNA-N diaphragm and alignment-reamed, phosphor bronze lever pivots capable of delivering near constant force throughout lengthy stroke. Motor lever shall have (7) (8) selectable connections offering wide choice of travels and forces. Pneumatic lever motor shall be W. E. Anderson Model No. ____.