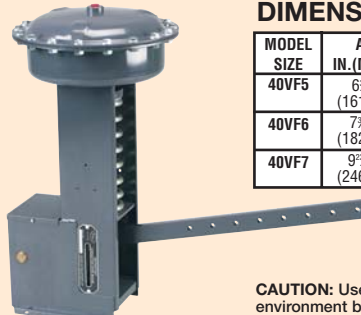




Series
40VF

Pneumatic Lever Motors

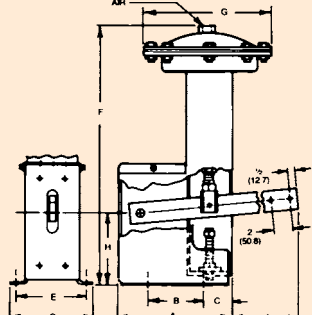
Wide Selection of Travels and Forces — On-off — Throttling Control



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" (161.9)	3 3/8" (81.0)	1 1/2" (38.1)	5 1/4" (133.4)	4" (108.0)	17 1/8" (433.4)	7" (196.9)	4" (101.6)	19 1/2" (489.7)
40VF6	7 3/8" (182.6)	4" (101.6)	1 1/2" (38.1)	6 5/8" (160.3)	5" (133.4)	19 1/8" (506.4)	10" (269.9)	4" (101.6)	18 7/8" (478.6)
40VF7	9 3/8" (246.9)	6 1/2" (165.1)	1 1/2" (38.1)	7 3/8" (192.1)	6 1/8" (169.9)	25 7/8" (658.0)	13 3/8" (339.7)	4" (123.8)	20 1/2" (512.0)

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: 1/2" NPT.
Lever: 3/8" (7.94 mm) dia. hole, 3/8" (9.53 mm) width on 40VF5 & 40VF6; 5/8" (9.53 mm) dia. hole, 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.

MODELS

MODEL NUMBER	A In.-(cm)	T. In. (mm)	K-LBF/In. (KGF/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. ____.



Valve Accessories

Valves



SV3 on Type D Actuator

Series SV Solenoid Valve will electrically operate pneumatic actuators for on-off applications. When the solenoid valve receives the electrical input signal it switches the pneumatic supply pressure to the actuator, which moves the valve from the closed to open position. The next impulse to the solenoid valve will make the valve move back to the closed position. The low cost solenoid valve directly mounts onto pneumatic actuators with standard NAMUR mounting configuration eliminating external tubing and fittings. Buna-N O-rings are included to seal the valve ports to the side of the actuator. Standard features include a manual override, safety position by mechanical spring, and a NEMA 4X enclosure.

SPECIFICATIONS

Power Requirements: 120 VAC.
Supply Pressure: 20 psi (1.4 bar) to 120 psi (8.3 bar).
Air Connections: 1/4" female NPT.
Temperature Limits: -40 to 140°F (-40 to 60°C).
Electrical Connections: Screw terminal.
Conduit Connection: 1/2" female NPT.
Enclosure Rating: NEMA 4X.
Mounting: NAMUR VDI/VDE 3845.
Standard Features: Manual override, mechanical spring safety position.
Optional Features: Other power voltages.

MODELS

MODEL NO.	DIRECT MOUNT ACTUATORS
SV3	D, S, J, F, C, DA, SR

Factory mounting and testing to Actuator available. Add Solenoid Valve model no. as suffix to Butterfly Valve model code (for use with pneumatic rack and pinion actuator as shown only). Example, 204LTB2517D3C-SV3

Butterfly Valve with QV Series



D Series Actuator with VPS Series



Proximity Position Indicators

Position indicators are available for the W.E. Anderson Hi-Flow™ Globe valve, Plast-A-Vane® Butterfly valves, and BV2 Series Ball valve. The Proximity Mark, QV, and VPS Series can all be used on the ball and butterfly valves. The Mark, QV, and DT Series can be used on the globe valves. With the Proximity product line a wide variety of options are available including visual position indication, multiple position switches, and position transmitters. The Proximity line is briefly covered on pages 364 - 370 of the catalog and a separate in depth Proximity catalog is available. Please contact the factory for pricing on mounting brackets.