

## Handwheel Actuators

Handwheel Actuators are used for smooth, precise operation of valves such as on a deck gun, large diameter side discharge or ladder pipe.

- Fits 2" - 4" valves
- Handwheel driven worm gear rotates a gear sector for smooth and easy operation under pressure
- 2" - 3 1/2" valves have a 50:1 ratio and a 4" handwheel
- 8840 valves have a 50:1 ratio and a 6" handwheel
- Number of turns for full open/close:
  - 2" - 3 1/2" Swing-Out™ valves - 12 1/2 turns
  - 7840 - 16 turns
  - 8840 - 12 1/2 turns
- Opening and closing speed complies with the current NFPA standard to minimize effects of water hammer
- Helps prevent valve drift and accidental slamming
- Optional Position Indicators show the valve position to meet NFPA 1901
  - Must specify landscape (side mount) or portrait (top mount)
  - Size: 3 1/2" x 5 3/4"
- Auxiliary Position Indicator - optional



2" - 3 1/2" Manual Gear Actuator



Position Indicator (landscape)

## Air Actuator

Air Actuators operate off the apparatus air supply and are equipped with an emergency override. Designed for full open/close applications only. Units are supplied with two air flow control valves to regulate the opening and closing valve speed to comply with the current NFPA 1901 Standard.

Operates to -10° F and requires 80-120 psi air pressure. Available on 4" Swing-Out and all Butterfly Valves. Solenoid and switch not included.



Air Actuator shown with Air Control Valves

## Rack And Sector Actuator

Minimizes troublesome linkage problems associated with remote handles. The Rack and Sector Actuator is usable with most pumps (depending on pump panel width). Available on 2 1/2" - 3 1/2" valves.



Rack and Sector

### Valve Actuator Dimensions

Size	Air Actuator		Handwheel Actuator			Rack & Sector		Slo-Cloz™		Electric	
	A	B	A	B	C	A	B	7875	7675	A	B
2"	-	-	10 1/2" (267 mm)	1 21/32" (42 mm)	4" (102 mm)	-	-	1 7/8" (48 mm)	2 3/8" (60 mm)	12 1/4" (311 mm)	3 11/16" (94 mm)
2 1/2"	-	-	10 1/2" (267 mm)	1 21/32" (42 mm)	4" (102 mm)	4 13/16" (122 mm)	3 1/2" (89 mm)	1 7/8" (48 mm)	2 3/8" (60 mm)	12 1/4" (311 mm)	3 11/16" (94 mm)
3"	-	-	10 1/2" (267 mm)	1 21/32" (42 mm)	4" (102 mm)	4 13/16" (122 mm)	3 7/8" (98 mm)	1 7/8" (48 mm)	2 3/8" (60 mm)	12 1/4" (311 mm)	3 11/16" (94 mm)
3 1/2"	-	-	10 1/2" (267 mm)	1 21/32" (42 mm)	4" (102 mm)	4 13/16" (122 mm)	3 7/8" (98 mm)	1 7/8" (48 mm)	2 3/8" (60 mm)	12 1/4" (311 mm)	3 11/16" (94 mm)
4"	8 1/2" (216 mm)	5 3/4" (146 mm)	12 7/16" (316 mm)	3 1/8" (79 mm)	6" (152 mm)	-	-	-	-	12 1/4" (311 mm)	4 1/8" (105 mm)