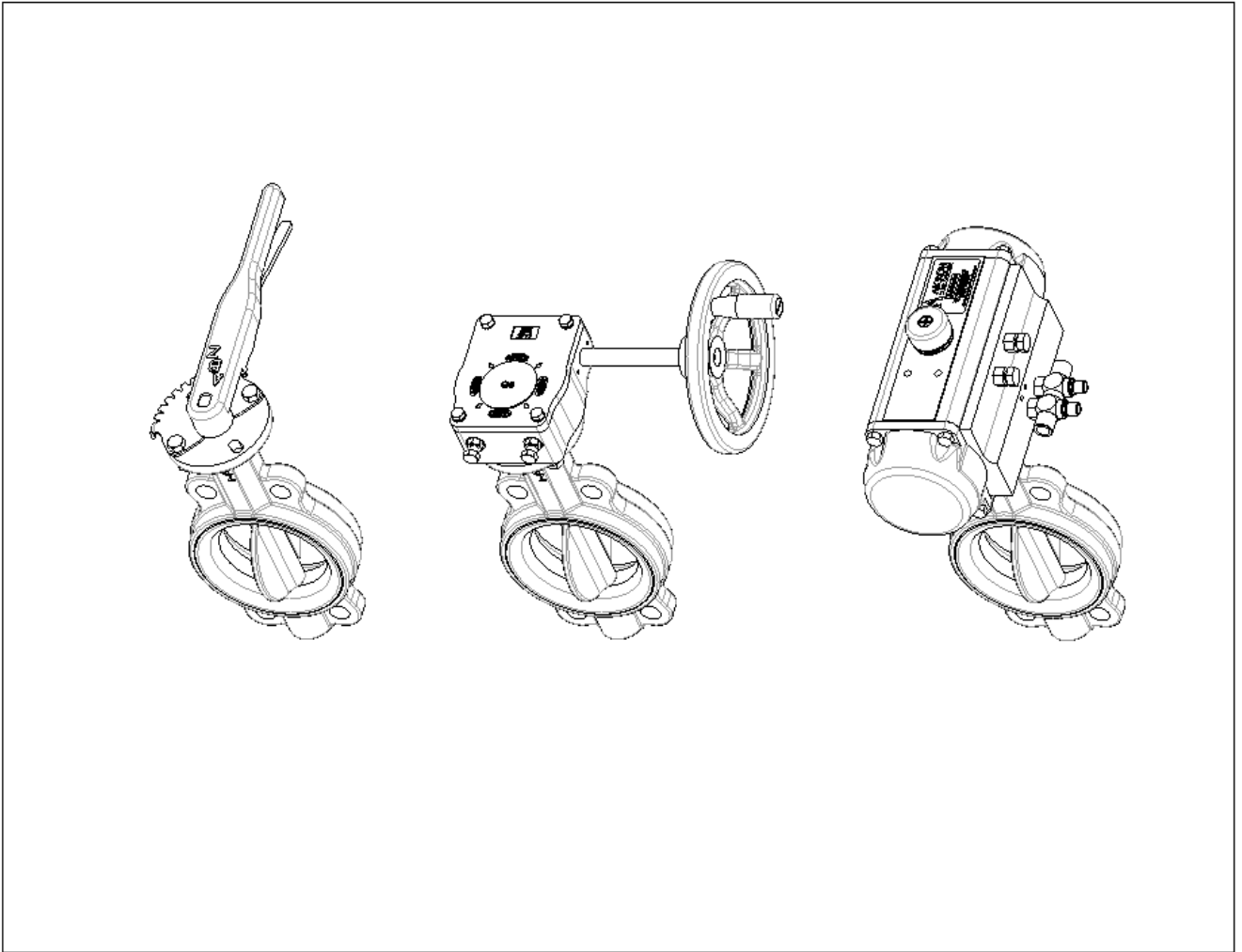




**STYLE 7940, 7950 & 7960 MANUAL, GEAR ACTUATOR, AIR ACTUATOR
BUTTERFLY VALVE**

INSTALLATION, OPERATING, AND MAINTENANCE INSTRUCTIONS



800.228.1161
www.akronbrass.com



STYLE 7940, 7950 & 7960 MANUAL, GEAR ACTUATOR, AIR ACTUATOR BUTTERFLY VALVE INSTALLATION, OPERATING, AND MAINTENANCE INSTRUCTIONS

The Akron Brass Butterfly Valve is designed to operate most efficiently in the fully open position. There are four types of Actuators available: Manual Handle, Handwheel Gear Operator, Pneumatic Operator, and Electric Actuator & Control. These instructions cover all but the Electric Actuator version. Valves equipped with a Pneumatic Operator should have the valve wafer in a fully open or fully closed position. It is not designed to be throttled. If it is throttled the wafer may drift open or closed unless it is equipped with a pneumatic positioner.



WARNING

Read and follow the operating instructions before use.



WARNING

For firefighting use only.

Product Ratings

Mechanical Specifications:

Parameter	US Measure	Metric Measure
Flow Rate	Up to 2000 GPM	7600 LPM
Pressure	250 PSI	17 Bar

Installation

The butterfly valves will fit between standard ASME 125/150# flanges. Mounting hardware shall be supplied by the user.

Operating Instructions

Manual Handle Butterfly Valve

For valves equipped with the manual handle, grip the operating handle and squeeze the latch to operate the valve. This will disengage the latch from the throttling plate and allow movement of the handle to open or close the valve. When opening the valve, more torque is required to operate the valve due to seat sealing pressure on the disc. Apply steady, firm pressure to the handle until the valve begins to open. When flow begins, continue to open at a slow, steady pace until the desired flow is reached and then release the latch. This will engage the latch in the throttling plate, retaining the valve handle in that position. The same procedure should be followed when closing the valve.

NOTICE

Check the condition of the throttling latch for signs of wear on a regular basis.
Replace when wear is noticed

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Gear Actuated Butterfly Valve

For valves equipped with the Handwheel Gear Operator, close the valve by turning the handwheel clockwise and open by turning the handwheel counter-clockwise. Ten and one half turns of the handwheel are necessary to fully open or close the valve.

NOTICE

The valve should NOT be opened or closed any faster than 3 seconds to avoid water hammer.

Air Actuated Butterfly Valve

For valves equipped with the Pneumatic Actuator, the required operating air pressure is 60 to 120 PSI. Connections are 1/4" NPT thread and air lines should be sized to meet these requirements. The Actuator is designed for a maximum operating air pressure of 120 PSI. The actuator has two air flow control valves to maintain the opening and closing speed of the valve at greater than three seconds. The air flow control valves are preset at the factory – DO NOT ADJUST.

NOTICE

It is essential that the airlines and air connections are LEAK-PROOF to maintain the preset valve opening and closing times consistent.

Maintenance Instructions

Butterfly valves should be actuated at a minimum of once a month to prevent the disc from seizing to the seat. In addition the rubber seat should be inspected periodically for dryness and a light coating of grease should be applied to the seat as required.



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Warranty Statement

WARRANTY AND DISCLAIMER*: We warrant Akron Brass products for a period of five (5) years* after purchase against defects in materials or workmanship. Akron Brass will repair or replace product which fails to satisfy this warranty. Repair or replacement shall be at the discretion of Akron Brass. Products must be promptly returned to Akron Brass for warranty service. We will not be responsible for: wear and tear; any improper installation, use, maintenance or storage; negligence of the owner or user; repair or modification after delivery; failure to follow our instructions or recommendations; or anything else beyond our control. **WE MAKE NO WARRANTIES, EXPRESS OR IMPLIED, OTHER THAN THOSE INCLUDED IN THIS WARRANTY STATEMENT, AND WE DISCLAIM ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.** Further, we will not be responsible for any consequential, incidental or indirect damages (including, but not limited to, any loss of profits) from any cause whatsoever. No person has authority to change this warranty. Unless otherwise provided herein. Akron Brass industrial electronic components & the Severe-Duty Monitor have a one (1) year warranty. Select Akron Brass handline nozzles and valves carry a ten (10) year warranty. Weldon products have a two (2) year warranty from date of manufacture (excluding consumable components). Select Weldon LED products carry a five (5) year warranty. Honda products have the manufacturers' warranty and Akron Brass disclaims any warranty in respect of those products.

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Revision History

Use a table like shown below for Revision History based on date. This will need to be maintained on future revisions on the official released version.

Revision	Reason Updated
XX/YY/20ZZ	New Instruction

When creating the final PDF of this instruction for publishing, it is recommended to use “PDF Creator”. Using “Adobe PDF” may cause small text and image errors during conversion.

