

# Advantage<sup>®</sup> Actuators for Weir Type Valves

## Introduction

The operationally proven low profile Advantage<sup>®</sup> Actuator is now available for industrial weir style diaphragm valves. To meet the changing needs of our customers, we have combined the Advantage Actuator with the Dia-Flo<sup>®</sup> diaphragm valve. This new combination gives the valve a smaller installation envelope, the latest automation technologies, and proven long life.

Through the use of a new 316 stainless steel investment cast bonnet we are able to mount the Advantage Actuator to plastic lined, rubber lined, glass lined and unlined weir style industrial diaphragm valves.

## Features

- Small dimensional envelope
- Corrosion resistant exterior
- Available on lined and unlined valves
- Rugged switch mounting on top of actuator
- Stainless steel and ductile iron bonnets
- Discrete and Network Protocol switch packages available

## Benefits

- Allows for installation into tight spaces such as around the top of reactors
- Provides for longer life and better aesthetics in corrosive environments
- Allows for use on most common applications
- Provides a compact actuated package free from brackets and striker arms which could become damaged
- Provides for more robust mounting than plastic bonnets
- Provides the latest in communication technology



Figure 3-2556-TM-34-C7-A234

# Advantage<sup>®</sup> Actuators for Weir Type Valves

## Smaller Dimensional Envelope

Check the size differential for a typical fail close application.

- 2" Line Size
- 100%  $\Delta P$
- 90 psi Line Pressure
- 90 psi Air Pressure

**46% Reduction in Height**  
**35% Smaller in Diameter**  
**51% Reduction in Weight**



Weir Type Plastic Lined Valve with Advantage Actuator

## Understanding Advantage Actuator Model Numbers

A = Advantage Actuator

### Mode

- 1 Fail Open, Air-to-Close, Spring-to-Open
- 2 Fail Close, Air-to-Open, Spring-to-Close
- 3 Double Acting, Air-to-Close, Air-to-Open

### Actuator Series Size

- 05** (05, 06)
- 08** (08, 09)
- 16** (15, 16, 17)
- 33** (32, 33, 34, 35)
- 47** (47, 48)

### Examples

Model #A308=Double Acting Actuator Series 8

Model #A232=Fail Closed Actuator Series 33 with a 32 Spring Set

Note: Series size 05, 08 etc. equates to diaphragm effective area; Values in parentheses are specific spring combinations for fail closed actuators.