

### Overview

Model RS1A is a compact swing gate air cutoff valve available with electric or mechanical actuation. When actuated, the RS1A closes the valve's sealing element which shuts off intake air flow into the engine. It can be used in fully automatic or manual shutdown systems.

Contact us for more information.

### Features and Benefits

- Easy to install and maintain
- Lightweight, compact design
- Corrosion resistant aluminum and stainless steel construction
- Used in manual and automatic actuation systems:
  - Electric
  - Mechanical
- Wide variety of installation kits for most installations

### Applications

- Drilling rigs (onshore & offshore)
- Drilling support equipment
- Well servicing equipment
- Refinery support equipment
- Bulk haulers and tankers
- Generator sets
- Mining equipment
- Construction equipment
- Emergency response vehicles and equipment
- Aircraft support equipment
- Work boats
- Barges
- Agriculture equipment



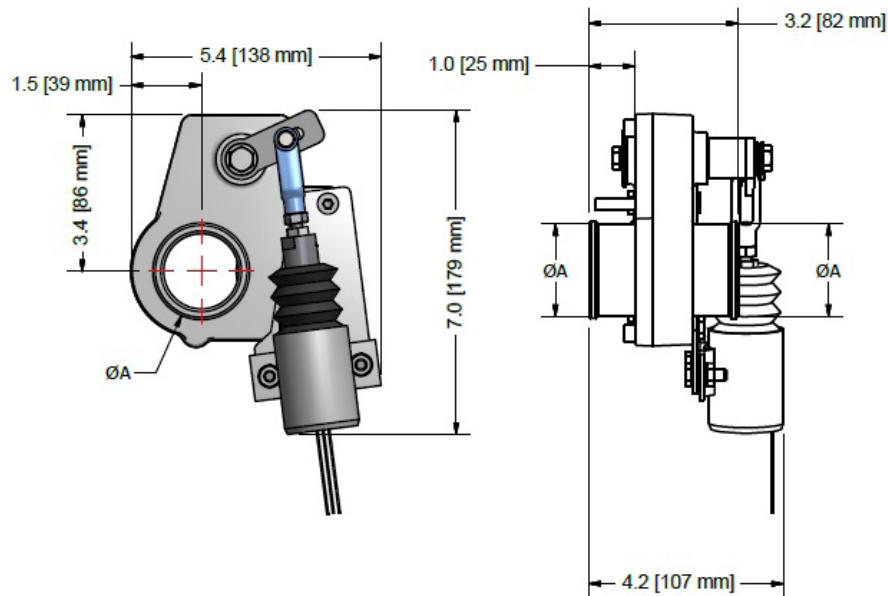
### Valve Size

RS1A is available in several standard sizes for intake air lines ranging from 1 1/8" to 2 1/2" (29 - 64 mm) diameter. Standard sizes for hose and V-clamp attachments are listed below. Contact factory for additional sizes to meet specific application requirements.

Attachment Sizes	
1"	25 mm
1 1/8"	29 mm
1 1/4"	32 mm
1 3/8"	35 mm
1 1/2"	38 mm
1 5/8"	41 mm
1 3/4"	44 mm
1 7/8"	48 mm
2"	51 mm
2 1/8"	54 mm
2 1/4"	57 mm
2 3/8"	60 mm
2 1/2"	64 mm

## Dimensions

Electrically Actuated



## Specifications

### Standard materials

Valve body: Aluminum  
 Gate arm: Plated steel  
 Sealing element: Floating phenolic disc  
 Seals: Silicon standard  
 Solenoid housing: Plated steel

### Net weights (including actuator)

Manual actuation: 2.5 lbs. (1.2 kg)  
 Standard solenoid actuation: 3.5 lbs (1.6 kg)

### Intake air temperature range

Standard valve: -40°F to 203°F (-40°C to 95°C)

### Ambient air temperature range

Standard valve: -40°F to 203°F (-40°C to 95°C)

### Electric solenoid actuation - Standard solenoid

Nominal 12 VDC power requirement: 70.5 amp pull in (0.9 amp hold)  
 Nominal 24 VDC power requirement: 36.4 amp pull in (0.5 amp hold)  
 Power-to-close, with auto reset

### Manual actuation

Mechanical pull to release: 15 lbs (125 Newton)  
 Pull-to-close, manual reset

## Contact us for more information

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