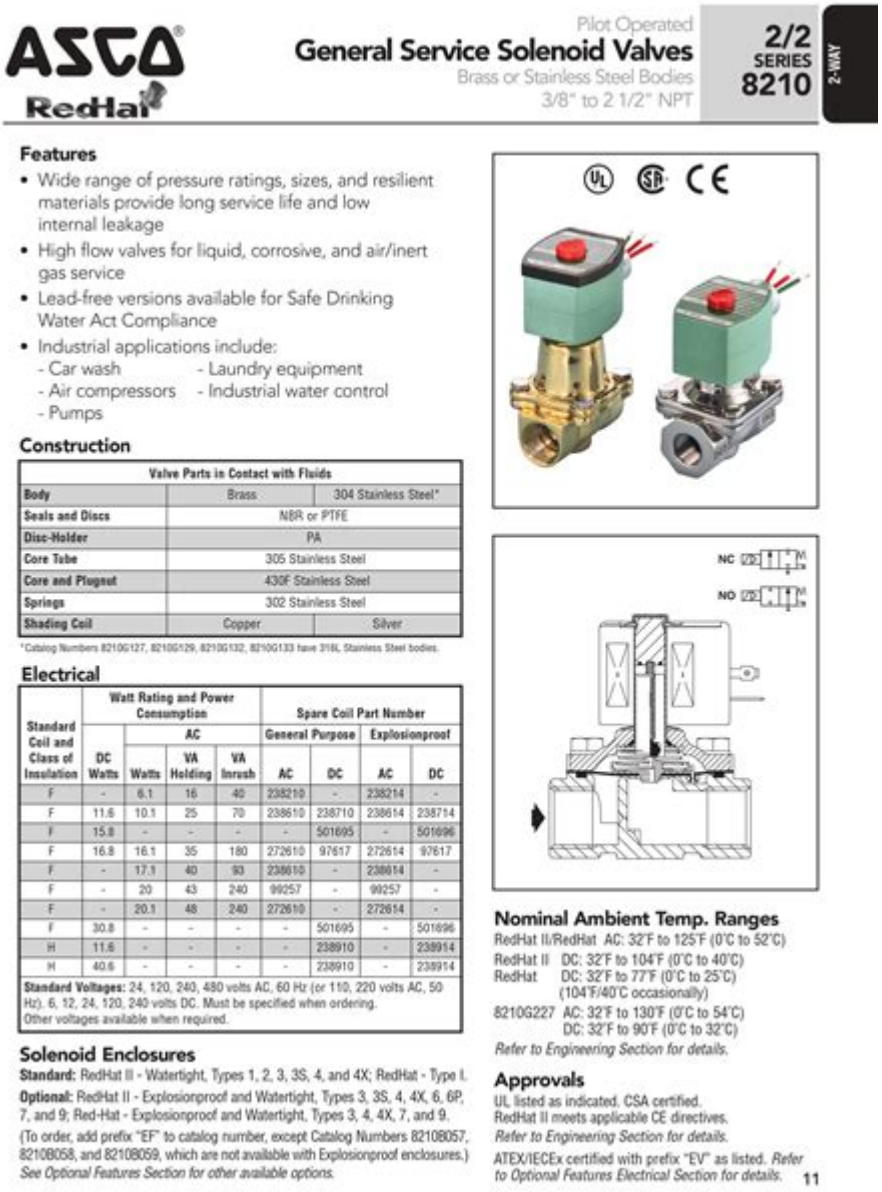
Asco Redhat Solenoid Valve Manual



ASCO RedHat

Pilot Operated
General Service Solenoid Valves
Brass or Stainless Steel Bodies
3/8" to 2 1/2" NPT

2/2 SERIES 8210 — 2-WAY

Features

- Wide range of pressure ratings, sizes, and resilient materials provide long service life and low internal leakage
- High flow valves for liquid, corrosive, and air/inert gas service
- Lead-free versions available for Safe Drinking Water Act Compliance
- Industrial applications include:
  - Car wash
  - Laundry equipment
  - Air compressors
  - Industrial water control
  - Pumps

Construction

Valve Parts in Contact with Fluids		
Body	Brass	304 Stainless Steel*
Seals and Discs	NBR or PTFE	
Disc-Holder	PA	
Core Tube	305 Stainless Steel	
Core and Plugnut	430F Stainless Steel	
Springs	302 Stainless Steel	
Shading Coil	Copper	Silver

*Catalog Numbers 8210G127, 8210G129, 8210G132, 8210G133 have 316L Stainless Steel bodies.

Electrical

Standard Coil and Class of Insulation	Watt Rating and Power Consumption				Spare Coil Part Number			
		AC			General Purpose		Explosionproof	
	DC Watts	Watts	VA Holding	VA Inrush	AC	DC	AC	DC
F	-	6.1	16	40	238210	-	238214	-
F	11.6	10.1	25	70	238610	238710	238614	238714
F	15.8	-	-	-	-	501695	-	501696
F	16.8	16.1	35	180	272610	97617	272614	97617
F	-	17.1	40	93	238610	-	238614	-
F	-	20	43	240	99257	-	99257	-
F	-	20.1	48	240	272610	-	272614	-
F	30.8	-	-	-	-	501695	-	501696
H	11.6	-	-	-	-	238910	-	238914
H	40.6	-	-	-	-	238910	-	238914

Standard Voltages: 24, 120, 240, 480 volts AC, 60 Hz (or 110, 220 volts AC, 50 Hz). 6, 12, 24, 120, 240 volts DC. Must be specified when ordering. Other voltages available when required.

Solenoid Enclosures

Standard: RedHat II - Watertight, Types 1, 2, 3, 3S, 4, and 4X; RedHat - Type I.

Optional: RedHat II - Explosionproof and Watertight, Types 3, 3S, 4, 4X, 6, 6P, 7, and 9; Red-Hat - Explosionproof and Watertight, Types 3, 4, 4X, 7, and 9.

(To order, add prefix "EF" to catalog number, except Catalog Numbers 8210B057, 8210B058, and 8210B059, which are not available with Explosionproof enclosures.)

See Optional Features Section for other available options.

NC
NO

Nominal Ambient Temp. Ranges

RedHat II/RedHat AC: 32°F to 125°F (0°C to 52°C)
RedHat II DC: 32°F to 104°F (0°C to 40°C)
RedHat DC: 32°F to 77°F (0°C to 25°C) (104°F/40°C occasionally)
8210G227 AC: 32°F to 130°F (0°C to 54°C)
DC: 32°F to 90°F (0°C to 32°C)

Refer to Engineering Section for details.

Approvals

UL listed as indicated. CSA certified.
RedHat II meets applicable CE directives.
Refer to Engineering Section for details.
ATEX/IECEx certified with prefix "EV" as listed. *Refer to Optional Features Electrical Section for details.*

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ASCO RedHat Solenoid Valve Manual

Solenoid valves play a critical role in controlling fluid flow in various applications, including industrial processes, HVAC systems, and automation. The ASCO RedHat series of solenoid valves is renowned for its reliability, efficiency, and versatility. This article serves as a comprehensive manual for understanding, installing, operating, and maintaining ASCO RedHat solenoid valves, ensuring optimal performance and longevity.

Overview of ASCO RedHat Solenoid Valves

The ASCO RedHat line of solenoid valves is designed to meet the needs of several industries, including manufacturing, food processing, and water treatment. These valves are known for their robust construction, high flow rates, and ability to operate in demanding environments.

Key Features

1. Durable Construction: Made from materials like brass and stainless steel, these valves can withstand harsh conditions.
2. Wide Operating Temperature Range: Suitable for both high and low-temperature applications.
3. Versatile Design: Available in various configurations, including normally closed, normally open, and double-acting valves.
4. Quick Response Time: Rapid opening and closing action for efficient control.
5. Low Power Consumption: Designed to minimize energy use without sacrificing performance.

Applications of ASCO RedHat Solenoid Valves

ASCO RedHat solenoid valves are used in a variety of applications, including:

- Fluid Control: Regulating the flow of liquids and gases in pipelines.
- Automated Systems: Integrated into automated machinery for precise control.
- HVAC Systems: Managing airflow and fluid circulation in heating and cooling systems.
- Water Treatment: Controlling the flow of chemicals and water in treatment facilities.
- Food and Beverage Processing: Ensuring hygiene and efficiency in food production lines.

Installation Process

Proper installation is crucial for the effective operation of ASCO RedHat solenoid valves. Below is a step-by-step guide to ensure accurate installation:

Tools Required

- Adjustable wrench
- Pipe wrench

- Screwdriver set
- Teflon tape
- Voltage tester

Step-by-Step Installation

1. Preparation: Before beginning, ensure that the power supply to the system is turned off.
2. Inspect the Valve: Check the valve for any visible damage or defects. Ensure that it matches the specifications for your application.
3. Pipe Preparation: Clean the pipe threads and apply Teflon tape to prevent leaks.
4. Connect the Valve:
- Install the solenoid valve in the correct orientation as indicated in the manual.
- Use the adjustable wrench to secure the valve to the piping.
5. Electrical Connections:
- Connect the electrical leads to the solenoid coil following the wiring diagram provided in the manual.
- Use a voltage tester to confirm proper connections.
6. Testing: After installation, turn on the power supply and test the valve for proper operation.

Operation of ASCO RedHat Solenoid Valves

Operating ASCO RedHat solenoid valves involves understanding how to control the flow of fluids through the valve effectively.

Electrical Operation

- Energized State: When electrical power is supplied to the solenoid coil, the valve opens, allowing fluid to flow.
- De-energized State: When power is removed, the valve closes, stopping the flow.

Control Mechanisms

1. Manual Control: Some applications may require manual operation, which can be achieved using a local switch.
2. Automated Control: Integration with sensors and controllers for automated operation based on system parameters.

Maintenance Guidelines

Routine maintenance is necessary to ensure the longevity and functionality of ASCO RedHat solenoid valves. Here are some essential maintenance practices:

Regular Inspection

- Check for leaks around the valve connections.
- Inspect the electrical connections for signs of corrosion or wear.

Cleaning

- Remove any debris or buildup around the valve body and solenoid.
- Use a soft cloth or brush to clean the external surfaces.

Lubrication

- Periodically lubricate moving parts with suitable lubricant to ensure smooth operation.

Testing and Calibration

- Perform regular tests on the valve's operation to ensure it opens and closes correctly.
- Recalibrate the system as necessary based on operational changes.

Troubleshooting Common Issues

Even with proper installation and maintenance, issues may arise. Below are common problems and their potential solutions:

Common Problems

1. Valve Fails to Open:

- Check for electrical connectivity and voltage supply.
- Inspect for blockages in the valve or piping.

2. Valve Fails to Close:
- Verify the solenoid coil's functionality.
- Check for mechanical obstructions or wear in the valve seat.

3. Leakage:
- Inspect seals and gaskets for wear and replace if necessary.
- Tighten connections; ensure they are not over-torqued.

4. Erratic Operation:
- Check for fluctuations in power supply.
- Ensure proper grounding and shielding of electrical connections.

Conclusion

The ASCO RedHat solenoid valve is a vital component in many industrial and commercial applications. By understanding its features, installation process, operation, and maintenance requirements, users can ensure optimal performance and reliability. Regular checks and adherence to the guidelines outlined in this manual will help prevent common issues, ensuring that the solenoid valves function as intended and contribute effectively to the overall system performance.

Frequently Asked Questions

What is the purpose of the ASCO RedHat solenoid valve?

The ASCO RedHat solenoid valve is designed to control the flow of fluids or gases in various applications, providing precise control and automation in pneumatic and hydraulic systems.

Where can I find the manual for the ASCO RedHat solenoid valve?

The manual for the ASCO RedHat solenoid valve can typically be found on the official ASCO website under the product support section, or by contacting their customer service for assistance.

What are the common applications for ASCO RedHat solenoid valves?

Common applications include industrial automation, process control, HVAC systems, and fluid handling in various industries such as food and beverage, pharmaceuticals, and automotive.

What maintenance is required for ASCO RedHat solenoid valves?

Regular maintenance includes checking for leaks, cleaning the valve, inspecting electrical connections, and ensuring that the solenoid operates without any obstruction or wear.

How do I troubleshoot a malfunctioning ASCO RedHat solenoid valve?

To troubleshoot, check the power supply to the solenoid, ensure there are no blockages in the valve, inspect for worn or damaged components, and verify that the valve is installed correctly.

What specifications should I consider when selecting an ASCO RedHat solenoid valve?

Consider the valve's size, flow rate, pressure rating, media compatibility, voltage requirements, and whether it needs to be normally closed or normally open for your specific application.

Are ASCO RedHat solenoid valves suitable for high-temperature applications?

Yes, ASCO RedHat solenoid valves are available in designs that can withstand high temperatures, but it is important to verify the specific temperature rating in the product manual.

What is the warranty policy for ASCO RedHat solenoid valves?

ASCO typically offers a limited warranty on their solenoid valves, covering defects in materials and workmanship. It's advisable to check the specific warranty terms in the product documentation.

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Sadie Slut Leaks - Porn Videos & Photos - EroMe
Sadie Slut Leaks pictures and videos on EroMe. The album about Sadie Slut Leaks is to be seen for free on EroMe shared by SexyHuskyBoy69. Come see and share your amateur porn.

Sadie Stone aka Sadie8808 aka ssssadiestone Nude Leaks - Faponic
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Sadie8808 Nude OnlyFans Leaks - Photo #6098417 - Fapopedia
Nude photos of Sadie8808. OnlyFans Leaks 2025. Photo #6098417.

/tt/ - Notsadstone folds for black d behind her bf back - AnonIB
Apr 3, 2024 · no cookies?

TikTok T H I C C Teen Sadie Stone aka Sadie8808 Nude Leaks - 4 …
TikTok T H I C C Teen Sadie Stone aka Sadie8808 Nude Leaks - 4 photos Pornpics on HotPic.cc

/t/ - Catalog - AnonIB
Anyone know where I can find this fully nude set of SK/Stephanie from OMGmodels & SFbaymodels?

/r/ - Adult Requests » Thread #19128308
Oct 20, 2023 · Found this girl on anonib but can't find the thread anymore. Whoops, I meant "Nudify" sorry. Please wizards help me out.

Sadie Crowell Nude TikTok Star Leaked! NEW
May 16, 2023 · 19-year-old social media star Sadie Crowell appear to have just released the topless nude selfie photos and sex tape video. Sadie Crowell is a YouTube content creator, onlyfans and social media personality from the United States of America.

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Sadie Stone Nudes & OnlyFans Leaked Pics - Fapellino
Explore Sadie Stone's exclusive OnlyFans content, including leaked pics and nudes. Discover the latest updates from this top model on Fapellino.

Article 490
Feb 28, 2021 · The provisions of Part V shall apply to boilers operating over 1000 volts, nominal, in which heat is generated by the passage of current between electrodes through the liquid …

Article 490 Equipment Over 1000 Volts, Nominal - UpCodes
This section outlines the requirements for equipment operating at over 1000 volts, nominal, including safety measures, definitions, and specific provisions for circuit-interrupting devices, …

Articles 490 & 495. - ElectricalLicenseRenewal.com
New Article 495 replaces previous Article 490. In the 2023 NEC ®, the contents of previous Article 490 titled “Equipment Over 1000 Volts, Nominal” was removed and added to new Article 495 …

Chapter 4
Feb 28, 2021 · Resistors and Reactors Part I. 1000 Volts, Nominal, and Under Scope.

490.48 Substations. - ElectricalLicenseRenewal.com
The requirements for substations were relocated from Article 225 to section 490.48 of Article 490 which is all about installations over 1000 volts. The NEC ® code language listed for this section …

National Fire Protection Association Report
This article covers all switches, switching devices, and circuit breakers used as switches operating at 1000 volts and below, unless specifically referenced elsewhere in this Code for higher …

Code Corner 2023 NEC 690.7 and 690.31(G) — Mayfield Renewables
Jan 31, 2024 · Section 690.7 of NEC 2020 mentions that PV systems less than 1500 V DC do not

need to comply with certain sections of Article 490. However, when dealing with PV systems of …

NFPA 70 Bibliography High Voltage - Standards Michigan
I n the 2023 National Electrical Code “Article 490 – Equipment Over 1000 Volts, Nominal” has been replaced by Article 495, which now covers “Equipment Over 1000 Volts ac, 1500 Volts dc, …

490 – Equipment Over 1000 Volts, Nominal - Mypdh.engineer
Retrofit trip units shall be listed for use with the specific circuit breaker with which it is installed. Congratulations, you have completed the knowledge section of the course. You may now …

490.49 Reconditioned Switchgear. - ElectricalLicenseRenewal.com
Switchgear, or sections of switchgear, within the scope of this article shall be permitted to be reconditioned. The reconditioning process shall use design qualified parts verified under …