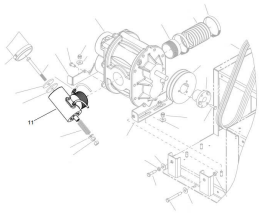
Prochem 86180600 Blazer Truckmount vacuum Relief Valve 8.618-060.0 52-501573 69-285S 69-039 101177 2.5" Pipe Air Break



Model Number: 86180600

Prochem 86180600 Blazer Truckmount vacuum Relief Valve 8.618-060.0 52-501573 69-285S 69-039 101177 2.5" Pipe Air Break

Manufacturer: Prochem

Prochem 8.618-060.0 Truckmount Vacuum Relief Valve 2-1/2 Inch Air Break Assembly
Part Numbers: 86180600 | 8.618-060.0 | 69-285S | 101177 | 52-501573 | 52501573 | 69-039
The Prochem 8.618-060.0 Vacuum Relief Valve is a replacement vacuum air break assembly designed for compatible professional carpet cleaning truckmount systems. This vacuum relief valve helps protect the positive displacement vacuum blower from excessive vacuum conditions by allowing outside air into the vacuum system when the relief valve opens.
Originally associated with the Prochem Blazer truckmount, this assembly is also listed for certain truckmount vacuum systems equipped with 4M blowers and compatible 2-1/2 inch threaded vacuum connections.
IMPORTANT ORDERING INFORMATION:
Ordering this product supplies Part Number 69-285S. Other part numbers listed on this page are provided for identification and cross-reference purposes.

Product Specifications

Product Type
Truckmount Vacuum Relief Valve / Air Break Assembly

Primary Part Number
69-285S

Prochem Part Number
86180600

Karcher / Prochem Number
8.618-060.0

Additional Reference Number
101177

Prochem 86180600 Blazer Truckmount vacuum Relief Valve 8.618-060.0 52-501573 69-285S 69-039 101177 2.5" Pipe Air Break

Legacy Part Number
52-501573 / 52501573

Additional Reference
69-039

Connection Size
2-1/2 Inch Nominal Vacuum Pipe Connection

Application
Professional Carpet Cleaning Truckmount Vacuum Systems

Blower Compatibility
Listed for Certain 4M Blower Applications

Function
Vacuum Relief / Air Break / Blower Protection

Note: Verify the connection size, thread configuration, vacuum relief requirements, and original equipment part number before ordering. Compatibility is not determined by blower size alone.

Replacement and Cross-Reference Part Numbers
This vacuum relief valve is associated with several Prochem, Karcher, and truckmount service part numbers. Customers searching for older replacement parts may encounter any of the following references:

Part Number
Description

69-285S
Part Number Supplied When Ordering

Steambrite Supply

Prochem 86180600 Blazer Truckmount vacuum Relief Valve 8.618-060.0 52-501573 69-285S 69-039 101177 2.5" Pipe Air Break

86180600
Prochem Vacuum Relief Valve

8.618-060.0
Karcher / Prochem Service Number

101177
Additional Vacuum Relief Assembly Reference

52-501573
Older Prochem Reference Number

52501573
Alternate Formatting of 52-501573

69-039
Additional Listed Reference Number

Replacement Part Identification: The original product listing identifies 52-501573 and 52501573 as replaced part numbers. Other numbers are provided as cross-references. Always verify fitment when replacing an assembly from a different manufacturer or truckmount model.

What Does a Truckmount Vacuum Relief Valve Do?
A professional carpet cleaning truckmount uses a positive displacement vacuum blower to generate the suction required for water and soil extraction.
When airflow becomes restricted, vacuum levels can increase. Examples include a blocked vacuum hose, a restricted cleaning wand, or other obstructions in the vacuum system.
A properly selected and adjusted vacuum relief valve helps protect the blower by opening when the vacuum reaches the valve's operating setting.
When the valve opens, additional air enters the vacuum system to help limit excessive vacuum conditions.
Benefits of a Properly Operating Vacuum Relief Valve

Steambrite Supply

Prochem 86180600 Blazer Truckmount vacuum Relief Valve 8.618-060.0 52-501573 69-285S 69-039 101177 2.5" Pipe Air Break

- Helps prevent excessive vacuum levels.
- Allows additional airflow when the valve opens.
- Helps protect the vacuum blower from overload conditions.
- Reduces the risk of damage caused by excessive vacuum.
- Supports proper operation of the truckmount vacuum system.
- Provides an important protective function during restricted airflow conditions.

A damaged, sticking, incorrectly adjusted, or improperly sized vacuum relief valve may prevent the system from operating as intended.

Truckmount Applications
This vacuum relief valve is associated with the following equipment and applications:

- Prochem Blazer: Original truckmount application identified for this valve.
- Prochem Truckmount Vacuum Systems: Applications using the corresponding Prochem service part number.
- 4M Vacuum Blowers: Certain installations using a compatible 2-1/2 inch vacuum connection.
- Other Truckmount Systems: Potential applications where the physical connection, airflow capacity, and vacuum relief requirements match.

Important: This product is not guaranteed to fit every truckmount equipped with a 4M blower or every system using 2-1/2 inch vacuum piping.
The vacuum relief valve must be compatible with the specific blower, vacuum plumbing arrangement, and manufacturer's recommended vacuum setting.

Sapphire Scientific 69-432S / Legend Brands 121380 Vacuum Relief Valve Information
Customers searching for the Sapphire Scientific 69-432S or Legend Brands 121380 vacuum relief valve may also be researching this Prochem 69-285S assembly.
The Sapphire Scientific 69-432S / 121380 assembly was identified for certain 3L and 4M blower applications with a 2-1/2 inch male pipe connection.
The original Sapphire Scientific assembly has been reported as discontinued.
Although the Prochem 69-285S vacuum relief valve serves a similar purpose and is associated with compatible truckmount blower applications, an official direct replacement relationship between 69-285S and 69-432S / 121380 has not been confirmed.
Before ordering this valve to replace a discontinued Sapphire Scientific assembly, confirm the following:

- Original vacuum relief valve part number.
- Truckmount manufacturer and model.
- Vacuum blower manufacturer and model.
- Male or female connection configuration.

Steambrite Supply

Prochem 86180600 Blazer Truckmount vacuum Relief Valve 8.618-060.0 52-501573 69-285S 69-039 101177 2.5" Pipe Air Break

- Nominal pipe thread size.
- Required vacuum relief setting.
- Available installation clearance.

Do not assume these two assemblies are interchangeable based only on their 2-1/2 inch connection size.

When Should a Vacuum Relief Valve Be Replaced?
A vacuum relief valve should be inspected when a truckmount experiences unusual vacuum operation, excessive vacuum readings, or problems with the vacuum relief mechanism.
Possible symptoms of a malfunctioning vacuum relief assembly include:

- Vacuum relief valve fails to open when required.
- Valve remains open and causes excessive vacuum loss.
- Sticking or damaged valve components.
- Corrosion or physical damage to the assembly.
- Unusual vacuum system operation.
- Inability to maintain the manufacturer's recommended vacuum setting.

Other problems, including blocked filters, restricted hoses, vacuum leaks, and blower issues, can produce similar symptoms. Diagnose the vacuum system before replacing components.

Installation and Adjustment Information
Vacuum relief valves are important protective components in professional truckmount equipment.
Installation should be performed in accordance with the truckmount manufacturer's service instructions.

- Confirm the replacement valve is suitable for the specific truckmount and vacuum blower.
- Verify the pipe connection size and thread type.
- Inspect the vacuum piping and mating connections.
- Install the assembly in the correct location and orientation.
- Check the vacuum system for leaks and restrictions.
- Verify the relief valve operation using an appropriate vacuum gauge.
- Set or verify the vacuum relief level according to the truckmount manufacturer's specifications.

WARNING: Do not block, disable, or excessively tighten a vacuum relief valve to obtain additional suction. Operating a positive displacement blower beyond its recommended vacuum limits can damage the blower or other components.

Prochem 86180600 Blazer Truckmount vacuum Relief Valve 8.618-060.0 52-501573 69-285S 69-039 101177 2.5" Pipe Air Break

Frequently Asked Questions

Is Prochem 86180600 the same as 8.618-060.0?

Yes. These numbers are associated with the same Prochem vacuum relief valve product listing. The number 8.618-060.0 is commonly written without punctuation as 86180600.

What part number will I receive when ordering?

The part number supplied through this product listing is 69-285S.

Does this replace Prochem 52-501573?

The original product listing identifies 52-501573 and 52501573 as replaced part numbers.

Will this vacuum relief valve fit a 4M blower?

This assembly is listed for certain 4M blower applications. Verify the threaded connection, vacuum relief specifications, and installation requirements before ordering.

Does this fit all 2-1/2 inch vacuum connections?

No. A nominal 2-1/2 inch connection does not guarantee compatibility. Thread type, connection orientation, airflow requirements, and relief settings must also be considered.

Can I use this valve to replace Sapphire Scientific 69-432S or Legend Brands 121380?

This assembly may be worth evaluating for that application, but direct interchangeability has not been verified. Obtain confirmation from the equipment manufacturer before substituting 69-285S for 69-432S or 121380.

Why is a vacuum relief valve important?

The valve provides a controlled path for outside air to enter the vacuum system when the vacuum reaches its relief setting. This helps protect the vacuum blower from excessive vacuum conditions.

Ordering Information

Prochem 86180600 / 8.618-060.0 / 69-285S Truckmount Vacuum Relief Valve

This product is intended for repair and maintenance of compatible professional carpet cleaning truckmount vacuum systems.

Please compare your original valve and equipment part number before ordering.

For assistance identifying the correct vacuum relief assembly, contact Legend Brands with your truckmount manufacturer, model number, blower model, and original part number.

Steam-Brite, Inc.

Professional Carpet Cleaning Equipment, Truckmount Parts and Accessories

Visit Steam-Brite for Carpet Cleaning Equipment and Replacement Parts

Manufacturer names, trademarks, and part numbers are used for product identification and compatibility reference purposes. Specifications and part-number supersessions are subject to manufacturer verification.

Steambrite Supply

Parts & Accessories > White Magic Parts > Prochem 86180600 Blazer Truckmount vacuum Relief Valve 8.618-060.0 52-501573 69-285S 69-039 101177 2.5" Pipe Air Break

Prochem 86180600 Blazer Truckmount vacuum Relief Valve 8.618-060.0 52-501573 69-285S 69-039 101177 2.5" Pipe Air Break

Availability: This product was added to our catalog on Monday 07 January, 2013

Steambrite Supply