

DANIEL BACK PRESSURE/ PRESSURE RELIEF CONTROL VALVES

MODELS 760, 761

INSTALLATION AND OPERATING INSTRUCTIONS

**DANIEL MEASUREMENT AND CONTROL, INC.
AN EMERSON PROCESS MANAGEMENT COMPANY
HOUSTON, TEXAS**

**Part Number 3-9008-558
Revision B**

MARCH 2008



IMPORTANT INSTRUCTIONS

Daniel Measurement and Control, Inc. (Daniel) designs, manufactures and tests its products to meet many national and international standards. Because these instruments are sophisticated technical products, you must properly install, use and maintain them to ensure they continue to operate within their normal specifications. The following instructions must be adhered to and integrated into your safety program when installing, using and maintaining Daniel products.

- **Read all instructions prior to installing, operating and servicing the product.** If this instruction manual is not the correct manual, call 1-713-827-6314 (24-hour response number for both Service and Sales Support) and the requested manual will be provided. Save this instruction manual for future reference.
- If you do not understand any of the instructions, contact your Daniel representative for clarification.
- Follow all warnings, cautions and instructions marked on and supplied with the product.
- Inform and educate your personnel in the proper installation, operation and maintenance of the product.
- Install your equipment as specified in the installation instructions of the appropriate instruction manual and per applicable local and national codes. Connect all products to the proper electrical and pressure sources.
- To ensure proper performance, use qualified personnel to install, operate, update, program and maintain the product.
- When replacement parts are required, ensure that qualified people use replacement parts specified by the manufacturer. Unauthorized parts and procedures can affect the product's performance and place the safe operation of your process at risk. Look-alike substitutions may result in fire, electrical hazards or improper operation.
- Ensure that all equipment doors are closed and protective covers are in place, except when maintenance is being performed by qualified persons, to prevent personal injury.
- **ALWAYS READ AND FOLLOW THE DANIEL BACK PRESSURE/PRESSURE RELIEF CONTROL VALVES INSTALLATION AND OPERATING INSTRUCTIONS AND ALL PRODUCT WARNINGS AND INSTRUCTIONS.**
- Use of this equipment for any purpose other than its intended purpose may result in property damage and/or serious personal injury or death.
- Before opening the flameproof enclosure in a flammable atmosphere, the electrical circuits must be interrupted.

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**DANIEL MEASUREMENT AND CONTROL, INC.
DANIEL RELIEF/BACK PRESSURE
CONTROL VALVES
INSTALLATION AND OPERATING INSTRUCTIONS**

NOTICE

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PRODUCT NAMES USED HEREIN ARE FOR MANUFACTURER OR SUPPLIER IDENTIFICATION ONLY AND MAY BE TRADEMARKS/REGISTERED TRADEMARKS OF THESE COMPANIES.

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HOUSTON, TEXAS, U.S.A.**

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WARRANTY

1. **LIMITED WARRANTY:** Subject to the limitations contained in Section 2 herein, Daniel Measurement & Control, Inc. ("Daniel") warrants that the licensed firmware embodied in the Goods will execute the programming instructions provided by Daniel, and that the Goods manufactured by Daniel will be free from defects in materials or workmanship under normal use and care and Services will be performed by trained personnel using proper equipment and instrumentation for the particular Service provided. The foregoing warranties will apply until the expiration of the applicable warranty period. Goods are warranted for twelve (12) months from the date of initial installation or eighteen (18) months from the date of shipment by Daniel, whichever period expires first. Consumables and Services are warranted for a period of 90 days from the date of shipment or completion of the Services. Products purchased by Daniel from a third party for resale to Buyer ("Resale Products") shall carry only the warranty extended by the original manufacturer. Buyer agrees that Daniel has no liability for Resale Products beyond making a reasonable commercial effort to arrange for procurement and shipping of the Resale Products. If Buyer discovers any warranty defects and notifies Daniel thereof in writing during the applicable warranty period, Daniel shall, at its option, correct any errors that are found by Daniel in the firmware or Services or repair or replace F.O.B. point of manufacture that portion of the Goods or firmware found by Daniel to be defective, or refund the purchase price of the defective portion of the Goods/Services. All replacements or repairs necessitated by inadequate maintenance, normal wear and usage, unsuitable power sources or environmental conditions, accident, misuse, improper installation, modification, repair, use of unauthorized replacement parts, storage or handling, or any other cause not the fault of Daniel are not covered by this limited warranty, and shall be at Buyer's expense. Daniel shall not be obligated to pay any costs or charges incurred by Buyer or any other party except as may be agreed upon in writing in advance by Daniel. All costs of dismantling, reinstallation and freight and the time and expenses of Daniel's personnel and representatives for site travel and diagnosis under this warranty clause shall be borne by Buyer unless accepted in writing by Daniel. Goods repaired and parts replaced by Daniel during the warranty period shall be in warranty for the remainder of the original warranty period or ninety (90) days, whichever is longer. This limited warranty is the only warranty made by Daniel and can be amended only in a writing signed by Daniel. THE WARRANTIES AND REMEDIES SET FORTH ABOVE ARE EXCLUSIVE. THERE ARE NO REPRESENTATIONS OR WARRANTIES OF ANY KIND, EXPRESS OR IMPLIED, AS TO MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE OR ANY OTHER MATTER WITH RESPECT TO ANY OF THE GOODS OR SERVICES. **Buyer acknowledges and agrees that corrosion or erosion of materials is not covered by this warranty.**

2. **LIMITATION OF REMEDY AND LIABILITY:** DANIEL SHALL NOT BE LIABLE FOR DAMAGES CAUSED BY DELAY IN PERFORMANCE. THE REMEDIES OF BUYER SET FORTH IN THIS AGREEMENT ARE EXCLUSIVE. IN NO EVENT, REGARDLESS OF THE FORM OF THE CLAIM OR CAUSE OF ACTION (WHETHER BASED IN CONTRACT, INFRINGEMENT, NEGLIGENCE, STRICT LIABILITY, OTHER TORT OR OTHERWISE), SHALL DANIEL'S LIABILITY TO BUYER AND/OR ITS CUSTOMERS EXCEED THE PRICE TO BUYER OF THE SPECIFIC GOODS MANUFACTURED OR SERVICES PROVIDED BY DANIEL GIVING RISE TO THE CLAIM OR CAUSE OF ACTION. BUYER AGREES THAT IN NO EVENT SHALL DANIEL'S LIABILITY TO BUYER AND/OR ITS CUSTOMERS EXTEND TO INCLUDE INCIDENTAL, CONSEQUENTIAL OR PUNITIVE DAMAGES. THE TERM "CONSEQUENTIAL DAMAGES" SHALL INCLUDE, BUT NOT BE LIMITED TO, LOSS OF ANTICIPATED PROFITS, REVENUE OR USE AND COSTS INCURRED INCLUDING WITHOUT LIMITATION FOR CAPITAL, FUEL AND POWER, AND CLAIMS OF BUYER'S CUSTOMERS.

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1.0 INTRODUCTION

The Model 760 and 761 Daniel Control Valves are especially designed to maintain a specific minimum upstream pressure regardless of fluctuations in flow rate or downstream pressure. When correctly installed and adjusted, these valves will maintain upstream pressure at a value within 2 PSI (13.79 kPa) of the valve pilot's setting. A minimum pressure differential across the valve of 10 PSI (69 kPa) is required for it to fully open.

If you have questions or need information not contained in this manual, please contact your Daniel sales representative or the Daniel Measurement and Control service center nearest you.

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2.0 THEORY OF OPERATION

The Model 760 and 761 valves are controlled by a normally closed pilot which senses line pressure at a selected point upstream of the valve and throttles the valve to maintain a desired minimum pressure at that point. If line pressure at the sense point exceeds the setting of the pilot, the pilot allows the valve to open until the correct pressure level is reached. Conversely, if line pressure at the sense point falls below the setting of the pilot, the pilot throttles the valve closed until the correct pressure level is reached. This operation may be more easily understood by referring to the typical installations shown below. Figure 2-1 shows a Model 760 used as a back pressure valve, while Figure 2-2 shows a Model 761 used as a pressure relief/pump bypass valve. In the static condition, both the pilot and valve are closed. When the pump is activated the initial pressure developed at the valve intake is applied to the top of the valve piston, keeping it tightly seated and preventing all flow. As pump discharge pressure rises, however, it soon exceeds the set point of the pilot, which then opens the valve to provide flow.

Once the valve has opened and a continuous flow is established, the pilot monitors upstream pressure and compares it with the set point. If upstream pressure is greater than the set point, the pilot vents the pressure on top of the valve piston downstream, and the valve opens wider to conduct more flow. If upstream pressure is less than the set point, however, the pilot applies additional pressure to the top of the valve piston, and the valve throttles closed to restrict flow. The valve will limit flow in this manner in order to maintain the required minimum back pressure. The needle valve (B) shown in Figures 2-1 and 2-2 is a sensitivity adjustment used to regulate the speed at which the valve responds. It also controls valve closing speed. The Model 760 and 761 valves are identical in their construction. Different model numbers are used to differentiate between the applications.

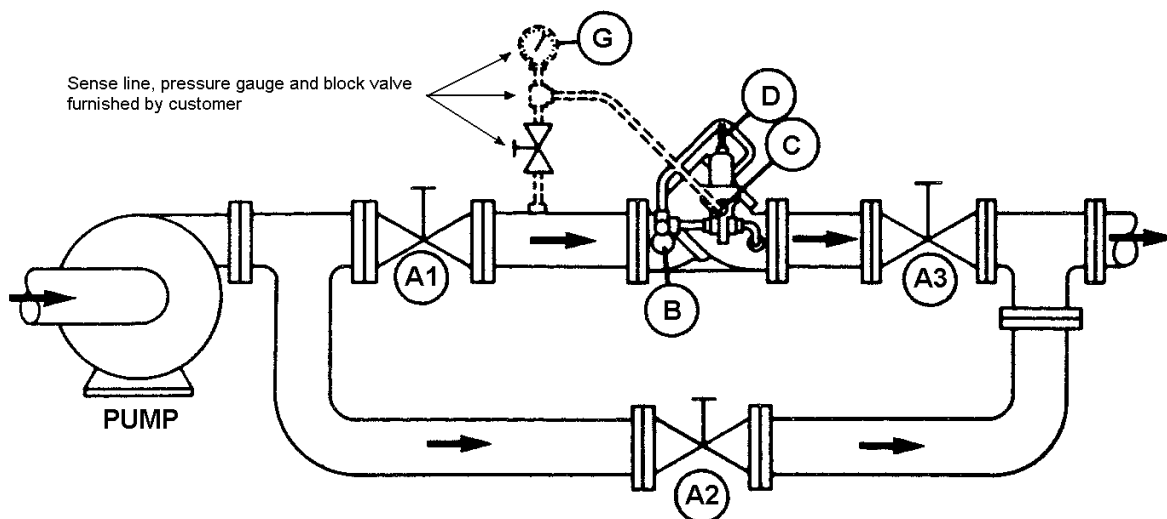


Figure 2-1. Back Pressure Model 760

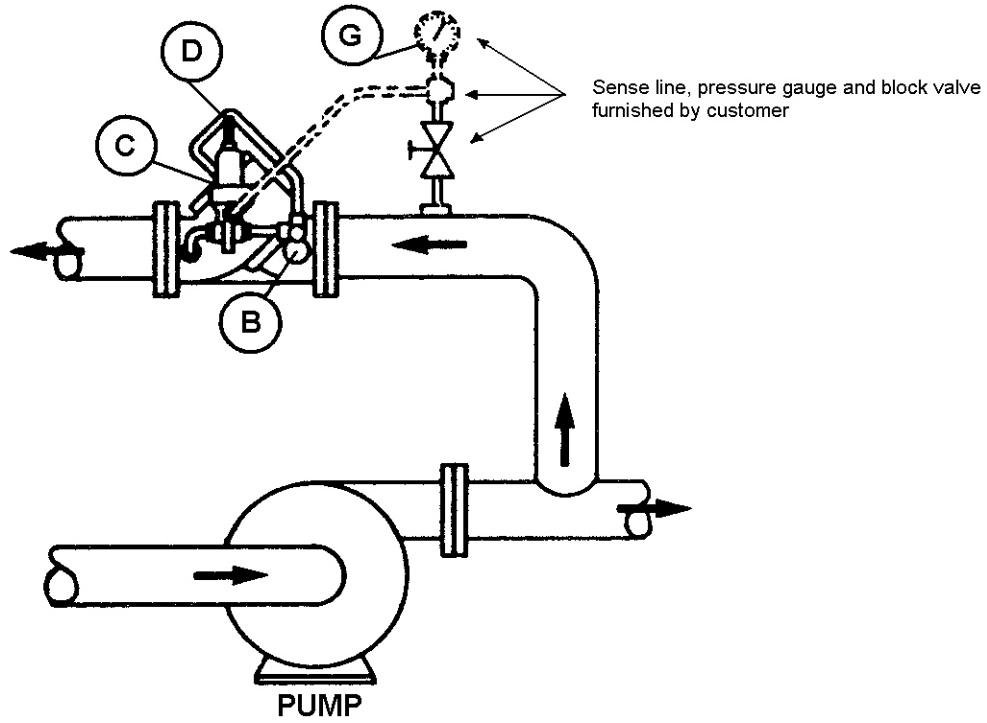


Figure 2-2. Pressure Relief/Pump Bypass Model 761

3.0 SPECIFICATIONS



PERSONAL INJURY AND/OR EQUIPMENT DAMAGE

Do not exceed specifications listed below.

Failure to heed this warning could result in serious injury and/or damage to the equipment.

Pressure Class

150 lb., 300 lb., or 600 lb. ANSI

Maximum Safe Working Pressure

150 lb. ANSI steel body - 285 psi (1965 kPa)

300lb. ANSI steel body - 740 psi (5100 kPa)

600 lb. ANSI steel body - 1480 psi (10,200 kPa)

For higher pressure rating, contact the factory.

Maximum Working Temperature Range

150°F, standard

For higher temperature rating, contact the factory.

Size:

2-in., 3-in., 4-in., 6-in., 8-in., 10-in., 12-in., 16-in.

Materials of Construction

Main Valve Body

steel, ASTM-A352 Gr. LCC

Main Valve Cylinder

2-in. through 4-in. - stainless steel

6-in. and larger - steel, nickel coated

Main Valve Piston

stainless steel (standard)

Seat Ring

stainless steel (standard)
nickel-coated steel (8"-16")

O-Rings

Standard: Viton®* dynamic, Buna-N static
Optional: Neoprene, EPR, all Viton®* and all Buna-N, Kalrez®*
For other materials, contact the factory.

Other Internal Parts

stainless steel

Table 3-1. Valve Capacity

Valve Size	*C _V -gpm
2"	86
3"	186
4"	309
6"	688
8"	1296
10"	2040
12"	2920
16"	5360

*C_V based on wide open valve utilizing water at 60°F (15.6°C)

* Viton® and Kalrez® are registered trademarks of E. I. du Pont de Nemours and Company.

4.0 MODEL 760 INSTALLATION, ADJUSTMENT AND STARTUP PROCEDURE**PERSONAL INJURY OR DEATH AND/OR PROPERTY DAMAGE**

Use equipment for its intended purpose.

Use of this equipment for any purpose other than its intended purpose may result in property damage and/or serious personal injury or death.

4.1 INSTALLATION

The following instructions are intended as a guide for installing the Model 760 back pressure valve and should be carefully complied with if the valve is to operate as designed. Refer to Figure 4-1 for item number.

1. If possible, the control valve should be installed within 25 feet of the point at which upstream line pressure is to be controlled. This distance limitation is due to the sense line which must be run to the pilot. Consult the factory if sense lines of greater length are required.
2. It is recommended that the control valve be installed between isolating valves (A1 and A3). This will permit the system to remain operational while maintenance is being performed on the valve.
3. The product line must be completely free of all foreign material before the valve is bolted into the line. This is very important and cannot be over-stressed. If it is not practical to flush the line before installing the valve, the valve body may be bolted in place, and the cylinder assembly may then be removed per the disassembly instructions on the basic valve. In such cases however, it will be necessary to fabricate a temporary cover for sealing the opening left in the body by the removal of the cylinder. It will also be necessary to either disconnect or isolate the sense line if it is connected to the pilot. The possibility of foreign material flowing into the sensing chamber of the pilot will be eliminated. (Flushing will not be necessary if the product line and liquid are positively known to be clean).

4. One 3/8" sense line is required between the pilot and the upstream sense point. This size line is a minimum requirement, however, and is based on a maximum product viscosity of 500 SSU. A larger size sense line should be used if the viscosity of the product is in excess of 500 SSU. This sense line is mated with the lower connection of the pilot.
5. The inclusion of a pressure gauge (G) in the valve circuit is recommended. This gauge will permit upstream pressure to be monitored when installed at the location indicated on the valve schematic. It is very important that the gauge (G) be installed at the upstream sense point since it must be monitored to properly adjust the valve. This gauge is not furnished by Daniel.

4.2 ADJUSTMENT AND STARTUP PROCEDURE

Referring again to Figure 4-1 for item numbers, the valve is adjusted as outlined below. All isolation valves (A1, A2, and A3) must be closed before adjustment can begin.

1. The first step in adjusting the valve is to bleed all air from the system. This is done by starting the pump (if a static head of 5-10 PSI is not present), slowly opening isolating valve A1, and loosening the external sense line connection at the pilot (C) and at the top of the valve cylinder. Re-tighten the connections, close valve A1, and deactivate the pump when the line is free of air.
2. Turn the sensitivity adjustment (B) counterclockwise, 1/2 turn from closed if it is a needle valve only or three turns from closed if it is a needle valve and strainer combination. Next turn the pilot adjustment stem (D) counterclockwise until all spring tension is relieved. The valve will now open when nominal pump discharge pressure is sensed by the pilot.
3. Start the pump and slowly open isolating valve A1. (Valve A2 is never open under normal operating conditions. It is included in the circuit only to bypass the control valve when it is being repaired or maintained). Partially open isolating valve A3 and observe pressure gauge (G) to determine when the valve begins controlling. This will be indicated by a drop in upstream pressure as valve A3 opens. When a pressure drop is observed on gauge (G), slowly turn the pilot adjustment screw (D) clockwise until upstream pressure begins to rise.
4. Completely open valve A3. Upstream pressure should remain unvaryingly at the set point of the pilot. If the pressure is incorrect, turn the pilot adjustment screw (D) clockwise to increase pressure and counterclockwise to decrease pressure.

5. If pulsation occurs in the control valve, it may be eliminated by turning the sensitivity adjustment (B) clockwise.

CAUTION**EQUIPMENT DAMAGE POSSIBLE**

Never completely close the sensitivity adjustment. It should remain at least 1/4 turn open.

If the sensitivity adjustment is fully closed, the valve will not control properly.

The sensitivity adjustment may also be used to regulate the speed of valve response. By turning the sensitivity control clockwise, the opening speed of the valve will be increased, and the closing speed will be decreased. An opposite effect occurs if the sensitivity control is turned counterclockwise.

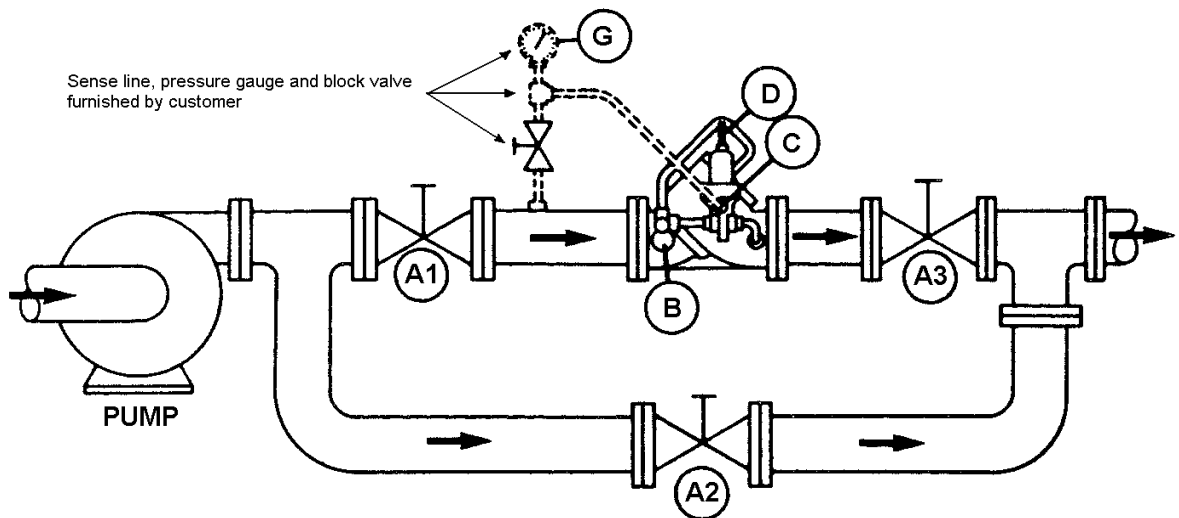


Figure 4-1. Back Pressure Model 760

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5.0 MODEL 761 INSTALLATION, ADJUSTMENT AND STARTUP PROCEDURE



PERSONAL INJURY OR DEATH AND/OR PROPERTY DAMAGE

Use equipment for its intended purpose.

Use of this equipment for any purpose other than its intended purpose may result in property damage and/or serious personal injury or death.

5.1 INSTALLATION

The following instructions are intended as a guide for installing the Model 761 pressure relief/pump bypass valve and should be carefully complied with if the valve is to operate as designed. Refer to Figure 4-2 for item number.

1. If possible, the control valve should be installed within 25 feet of the point at which upstream line pressure is to be controlled. This distance limitation is due to the sense line which must be run to the pilot. Consult the factory if sense lines of greater length are required.
2. The product line must be completely free of all foreign material before the valve is bolted into the line. This is very important and cannot be over-stressed. If it is not practical to flush the line before installing the valve, the valve body may be bolted in place, and the cylinder assembly may then be removed per the disassembly instructions on the basic valve. In such cases however, it will be necessary to fabricate a temporary cover for sealing the opening left in the body by the removal of the cylinder. It will also be necessary to either disconnect or isolate the sense line if it is connected to the pilot. The possibility of foreign material flowing into the sensing chamber of the pilot will be eliminated. (Flushing will not be necessary if the product line and liquid are positively known to be clean).
3. One 3/8" sense line is required between the pilot and the upstream sense point. This size line is a minimum requirement, however, and is based on a maximum product viscosity of 500 SSU. A larger size sense line should be used if the viscosity of the product is in excess of 500 SSU. This sense line is mated with the lower connection of the pilot.

4. The inclusion of a pressure gauge (G) in the valve circuit is recommended. This gauge will permit upstream pressure to be monitored when installed at the location indicated on the valve schematic. It is very important that the gauge (G) be installed at the upstream sense point since it must be monitored to properly adjust the valve. This gauge is not furnished by Daniel.

5.2 ADJUSTMENT AND STARTUP PROCEDURE

Referring again to Figure 4-2 for item numbers, the valve is adjusted as outlined below.

1. The first step in adjusting the valve is to bleed all air from the system. This is done by starting the pump (if a static head of 5-10 PSI is not present), and loosening the external sense line connection at the pilot (C) and at the top of the valve cylinder. Re-tighten the connections, and deactivate the pump when the line is free of air.
2. Turn the sensitivity adjustment (B) counterclockwise, 1/2 turn from closed if it is a needle valve only or three turns from closed if it is a needle valve and strainer combination. Next turn the pilot adjustment stem (D) counterclockwise until all spring tension is relieved. The valve will now open when nominal pump discharge pressure is sensed by the pilot.
3. Start the pump and observe pressure gauge (G) and slowly turn the pilot adjustment screw (D) clockwise until the desired pump discharge pressure (G) is achieved..
4. If pulsation occurs in the control valve, it may be eliminated by turning the sensitivity adjustment (B) clockwise.

CAUTION**EQUIPMENT DAMAGE POSSIBLE**

Never completely close the sensitivity adjustment. It should remain at least 1/4 turn open.

If the sensitivity adjustment is fully closed, the valve will not control properly.

The sensitivity adjustment may also be used to regulate the speed of valve response. By turning the sensitivity control clockwise, the opening speed of the valve will be increased, and the closing speed will be decreased. An opposite effect occurs if the sensitivity control is turned counterclockwise.

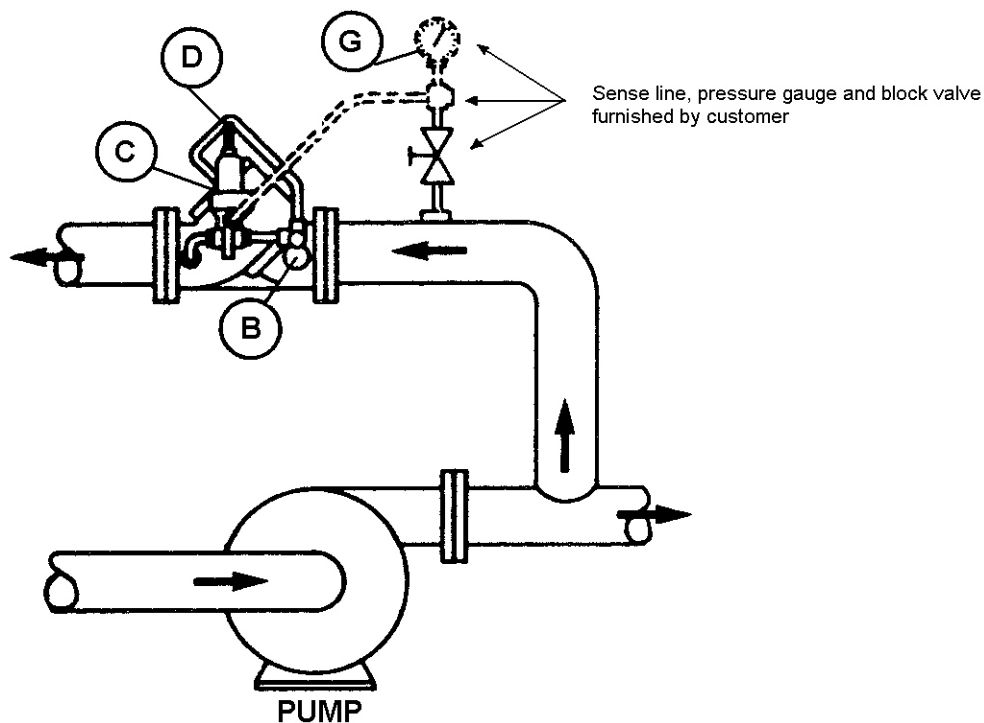


Figure 5-1. Pressure Relief/Pump Bypass Model 761

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NOTES

NOTES

DANIEL MEASUREMENT AND CONTROL, INC.
RETURN POLICY FOR WARRANTY
AND NON-WARRANTY MATERIAL

Use the following procedure for returning equipment to the Daniel factory in the United States.

Step 1 Obtaining a RMA Number

A Return Material Authorization (RMA) number must be obtained prior to returning any equipment for any reason.

To obtain a RMA number, call the Customer Service Department at 713-827-5033 between 8:00 a.m. and 5:00 p.m. (Central Standard Time), Monday through Friday, except holidays or email daniel.support@emersonprocess.com.

NOTICE

No product returns will be accepted without a RMA number and will be returned at the customer's expense.

For warranty consideration, the product must be returned to Daniel within twelve (12) months of the date of original shipment or within eighteen (18) months of the date of original shipment of the product to destinations outside the United States. The Purchaser must prepay any shipping charges.

In addition, the Purchaser is responsible for insuring any product shipped for return, and assumes the risk of loss of the product during shipment.

- The following information is required at the time the RMA is issued:
 - Customer name
 - Contact name
 - Billing address
 - Contact Phone # and email address
 - Daniel SO #, PO #, or Invoice #
 - Item(s) to be returned
 - Reason for return
 - End user and final destination address
 - Consignee's complete name, address, contact name and phone number

- A RMA number is required for each original order. (Example: Two fittings purchased on two separate orders now being returned require two RMA numbers.)

For product returns from locations outside the United States, Daniel Customer Service personnel will provide additional shipping requirements.

Step 2 Cleaning and Decontamination

Prior to shipment, thoroughly clean and decontaminate all equipment removing all foreign substances. This includes all substances used for cleaning the equipment. The cleaning and decontamination requirement applies to any part exposed to process fluids or cleaning substances.

Shipping equipment that has not been decontaminated may be in violation of U.S. Department of Transportation (DOT) regulations. For your reference, the requirements for packaging and labeling hazardous substances are listed in DOT regulations 49 CFR 172, 178, and 179.

If you suspect that a part has been contaminated, the part must be completely drained and flushed to remove contaminants.



MAY CAUSE DEATH OR SERIOUS INJURY TO PERSONNEL

Contents may be under pressure or materials may be hazardous

Follow appropriate handling instructions for accessing pressurized equipment. Avoid contact with hazardous materials or contaminated units and parts. Failure to do so may result in death or serious injury.

Decontamination/Cleaning Statement

A blank Decontamination/Cleaning Statement is provided on the “Returned Material Authorization Repair Form for Used Equipment”.

- A Decontamination/Cleaning Statement is required for each returned part.
- Fully complete each form and include a signature. If the decontamination statement is incomplete, the customer may be charged for decontamination and cleaning.

If the equipment has been exposed to a known hazardous substance with any characteristic that can be identified in the Code of Federal Regulations, 40 CFR 261.20 through 261.24, the chemical abstracts number and hazardous waste number/hazard code must be stated in the space provided on the form.

Two (2) copies of each Decontamination/Cleaning Statement must be provided:

- One (1) copy must be attached to the outside of the package.
- One (1) copy must be included inside the package.

Step 3 Material Safety Data Sheets (MSDS)

Provide a Material Safety Data Sheet (MSDS) with the returned equipment for each substance that has come in contact with the equipment being returned, including substances used for decontamination and cleaning.

A MSDS sheet is required by law to be available to people exposed to specific hazardous substances, with one exception: if the equipment has only been exposed to food-grade substances or potable water, or other substances for which an MSDS is not applicable, the Decontamination/Cleaning Statement form alone is acceptable.

Two (2) copies of each MSDS must be provided:

- One (1) copy must be attached to the outside of the package.
- One (1) copy must be provided inside the package.

Step 4 Packaging

Shipping a Device With Possible Contamination

To meet DOT requirements for identifying hazardous substances, ship only one device per package.

Shipping a Device Without Any Potential Contamination

Devices being returned may be shipped together in one package, if there is no potential of foreign substance contamination.

Step 5 Shipping

Before returning used equipment:

- Mark each package clearly with a RMA number.
- Include a Decontamination/Cleaning Statement inside the package.
- Attach a duplicate Decontamination/Cleaning statement to the outside of the package.
- Include a MSDS for each substance that has come in contact with the equipment inside the package.
- Attach a duplicate MSDS to the outside of the package.

NOTICE

No product returns will be accepted without a RMA number and will be returned at the customer's expense.

For warranty consideration, the product must be returned to Daniel within twelve (12) months of the date of original shipment or within eighteen (18) months of the date of original shipment of the product to destinations outside the United States. The Purchaser must prepay any shipping charges.

Ship all * mechanical equipment to the following address:

Daniel Measurement and Control, Inc.
Attn: Service Dept.
5650 Brittmoore Rd.
Houston, TX 77041
Ref: RMA# _____

*Mechanical equipment includes: Orifice Fittings, Parts, Plates, Seal Rings, Turbine Meters, Control Valves, Provers, Strainers, Meter Tubes, Ultrasonic Meters, Flow Conditioners, etc.

Ship all * electronic equipment to the following address:

Daniel Measurement and Control, Inc.
Attn: Service Dept.
11100 Brittmoore Park Drive
Houston, TX 77041
Ref: RMA# _____

*Electronic equipment includes: Gas Chromatographs, Petrocount Presets, Danload Preset, Ultrasonic Meter Electronics (CPU boards, transducers, etc.), 2403 Totalizer, MRT 97 Indicator, Preamps, Pick Up Coils, Prover Interface Boards, and the following Flow Computer Models: 2230, 2239, 2270, 2460, 2470, S100, 2100, and 3000.

Daniel Measurement and Control, Inc.

Returned Material Authorization

Repair Form for Used Equipment Including Decontamination/Cleaning Statement

1. Return Material Authorization (RMA) Number _____
2. Equipment to be returned:
 Model Number _____ Serial Number _____
3. Reason for return: _____

Decontamination/Cleaning Fluids Process

A. List each substance in which the equipment was exposed. Attach additional documents if necessary.

Common Name	CAS# if available	Used for Hazardous Waste (20 CFR 261)	EPA Waste Code if used for hazardous waste
		[] Yes [] No	
		[] Yes [] No	
		[] Yes [] No	
		[] Yes [] No	
		[] Yes [] No	
		[] Yes [] No	

B. Circle any hazards and/or process fluid types that apply:

Infectious	Radioactive	Explosive	Pyrophoric	Poison Gas	
Cyanides	Sulfides	Corrosive	Oxidizer	Flammable	Poison
Carcinogen	Peroxide	Reactive-Air	Reactive-Water	Reactive-Other (list)	
Other hazard category (list):					

C. Describe decontamination/cleaning process. Include MSDS description for substances used in decontamination and cleaning processes. Attach additional documents if necessary.

Shipping Requirements

Failure to comply with this procedure will result in the shipment being refused.

4. Write the RMA number on the shipping package.
5. Inside the package include one copy of this document and all required Material Safety Data Sheets (MSDS)
6. Outside of the package attach one copy of this document and all required Material Safety Data Sheets (MSDS).

THIS EQUIPMENT, BEING RETURNED "FOR REPAIR," HAS BEEN COMPLETELY DECONTAMINATED AND CLEANED. ALL FOREIGN SUBSTANCES HAVE BEEN DOCUMENTED ABOVE AND MSDS SHEETS ARE ATTACHED.

By:

(Signature)

(Print name)

Title:

Date:

Company:

Phone:

Fax:

The sales and service offices of Daniel Measurement and Control are located throughout the United States and in major countries overseas.

Please contact Daniel Measurement Services at 11100 Brittmoore Park Drive, Houston, Texas 77041, or phone (713) 827-6314 for the location of the sales or service office nearest you.

Daniel Measurement Services offers both on-call and contract maintenance service designed to provide single-source responsibility for all Daniel products.

Daniel Measurement and Control, Inc., and Daniel Measurement Services, Inc. Divisions of Emerson Process Management reserves the right to make changes to any of its products or services at any time without prior notification in order to improve that product or service and to supply the best product or service possible.
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