
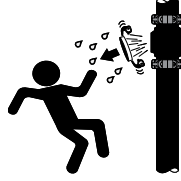


## Series 751, 756, 758, 764, 768 and 769

REPLACING THE CLAPPER SEAL FOR SERIES 751, 756, 758, 764, 768, AND 769  
FIRELOCK® FIRE PROTECTION VALVES

### IMPORTANT INFORMATION

<b>⚠ WARNING</b>	
	<ul style="list-style-type: none"> <li>• Read and understand all instructions before attempting to perform maintenance on any Victaulic piping products.</li> <li>• Wear safety glasses, hardhat, and foot protection.</li> </ul> <p>Failure to follow these instructions could result in serious personal injury, property damage, and/or product failure.</p>

<b>⚠ WARNING</b>	
	<ul style="list-style-type: none"> <li>• Depressurize and drain the piping system before attempting to remove, adjust, or perform maintenance on any Victaulic piping products.</li> </ul> <p>Failure to follow this instruction could result in serious personal injury and/or property damage.</p>

### CONTENTS OF CLAPPER SEAL KIT

This kit may contain two clapper seals. It is important to determine the appropriate clapper seal for the valve being serviced. **THESE SEALS ARE NOT INTERCHANGEABLE.** For example: If the clapper currently contains a seal that looks like "A" below, it **MUST** be replaced with the exact seal provided in this kit. Refer to the notes below for details.

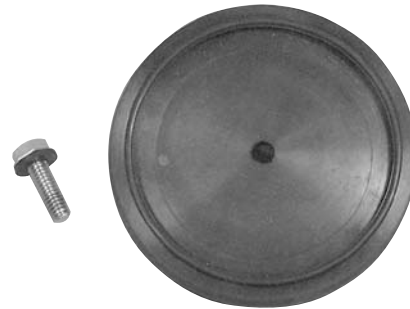
#### SEAL "A"



**THIS SEAL CONTAINS A WHITE SEAL WASHER AND A SEAL RING. INSTRUCTIONS START ON PAGE 3.**

**NOTE: THIS IS THE ONLY SEAL THAT CAN BE USED IN THE CLAPPER FOR SERIES 756, 758, 764, 768, OR 769 FIRELOCK VALVES.**

#### SEAL "B"




**FOR DOMESTIC SERIES 751 ALARM CHECK VALVES: THIS SEAL IS A SOLID DESIGN FOR 4 - 6-INCH/114.3 - 168.3-MM SIZES. INSTRUCTIONS START ON PAGE 5.**


**FOR EUROPEAN SERIES 751 FIRELOCK ALARM CHECK VALVE STATIONS: THIS SEAL IS A SOLID DESIGN FOR 3 - 6-INCH/88.9 - 168.3-MM (INCLUDING 165.1 MM) SIZES. INSTRUCTIONS START ON PAGE 5. NOTE:** The solid seal design for Series 751 FireLock European Alarm Check Valve Stations must be ordered specifically for the European valve. **NOTE:** European Alarm Check Valves contain a name plate with VdS and CE markings.

## Series 751, 756, 758, 764, 768 and 769

### REPLACING THE CLAPPER SEAL FOR SERIES 751, 756, 758, 764, 768, AND 769 FIRELOCK® FIRE PROTECTION VALVES

#### REMOVING THE SYSTEM FROM SERVICE AND PREPARING FOR CLAPPER SEAL REPLACEMENT



<b>⚠ WARNING</b>	
	<ul style="list-style-type: none"> <li>Depressurize and drain the piping system before attempting to remove the cover plate from the valve.</li> </ul> <p>Failure to follow this instruction could result in serious personal injury and/or property damage.</p>

<b>⚠ CAUTION</b>	
	<ul style="list-style-type: none"> <li>Any activities that require taking the valve out of service may eliminate the fire protection provided.</li> <li>Before servicing or testing the system, notify the authority having jurisdiction.</li> <li>Consideration of a fire patrol should be given in the affected areas.</li> </ul> <p>Failure to follow these instructions could result in serious personal injury and/or property damage.</p>

- Notify the authority having jurisdiction, remote station alarm monitors, and those in the affected area that the system is being taken out of service.
- Open the water supply main drain valve fully to flush the water supply of any contaminants.
- Close the water supply main drain valve.
- Close the water supply main control valve to take the system out of service.
- Open the water supply main drain valve.
- Confirm that water is not flowing from the water supply main drain valve.
- Close the piston-charge-line ball valve (Series 756 and 758) or diaphragm-charge-line ball valve (Series 764, 768, and 769).
- Open the system main drain valve to drain any water that has accumulated and to release system air pressure.

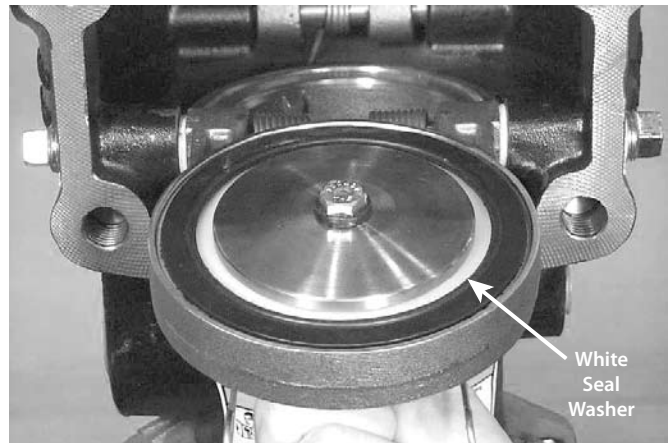
**NOTE:** If the system has operated, open the remote system test valve (inspector's test connection) and any auxiliary drain valves.

- SHUT OFF THE AIR SUPPLY.**

<b>⚠ WARNING</b>	
	<ul style="list-style-type: none"> <li>Make sure the valve is depressurized and drained before the cover plate bolts are removed.</li> </ul>
	<p>The cover plate could blow off if the cover plate bolts are removed while the valve is pressurized, resulting in serious personal injury and/or property damage.</p>

- PUSH DOWN ON THE AUTO DRAIN SCREW TO REMOVE PRESSURE IN THE PISTON CHARGE LINE OR DIAPHRAGM CHARGE LINE.**

- After all pressure is released from the system, loosen the cover plate bolts slowly. **NOTE:** DO NOT remove any cover plate bolts until all cover plate bolts are loosened.
- Remove all cover plate bolts, along with the cover plate and cover plate gasket.
- For Series 764, 768, and 769 valves, push the latch back (toward the diaphragm).

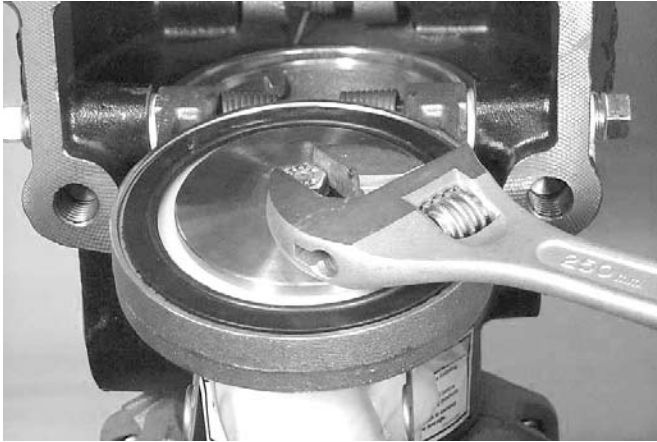


- Rotate the clapper out of the valve body. At this point, determine which seal is currently installed in the clapper. Refer to the "Contents of Clapper Seal Kit" section on page 1 for details.
- Follow the appropriate replacement steps on the following pages.

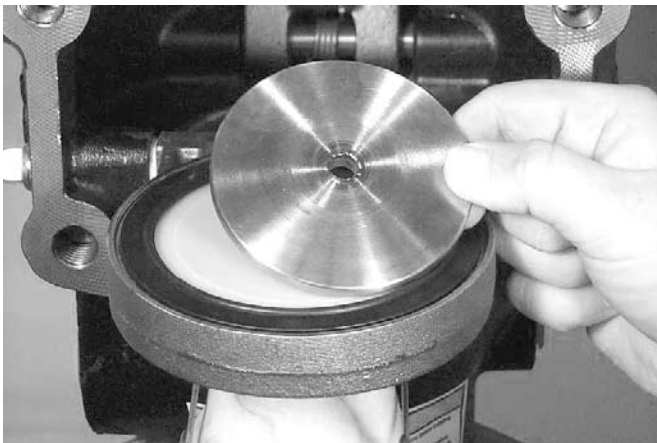
## Series 751, 756, 758, 764, 768 and 769

### REPLACING THE CLAPPER SEAL FOR SERIES 751, 756, 758, 764, 768, AND 769 FIRELOCK® FIRE PROTECTION VALVES

#### REPLACEMENT OF CLAPPER SEAL "A"



1. Remove the seal-assembly bolt/bolt seal from the clapper seal.



2. Remove the seal-retaining ring.



3. Pry the edge of the old seal washer from inside the clapper seal, as shown above.



4. Remove the seal washer from the clapper seal. This will aid in removing the clapper seal in step 5. Discard the seal washer.



5. Pry the old clapper seal, along with the seal ring, out of the clapper. Discard the clapper seal/seal ring.

#### **CAUTION**

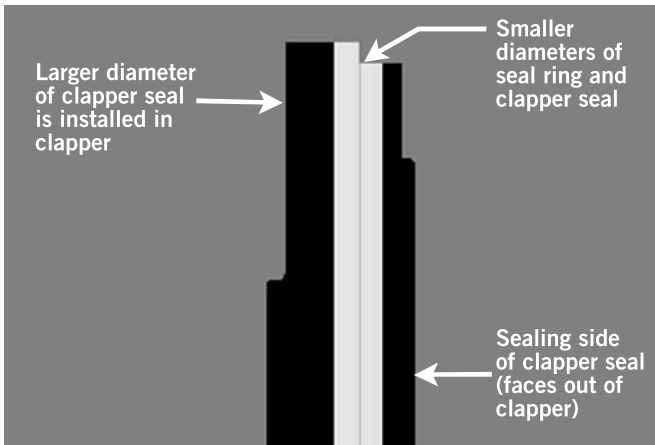
- **DO NOT** use solvents or abrasives on or near the valve body seat ring.

**Failure to follow this instruction could prevent the clapper from sealing, resulting in improper valve operation and/or valve leakage.**

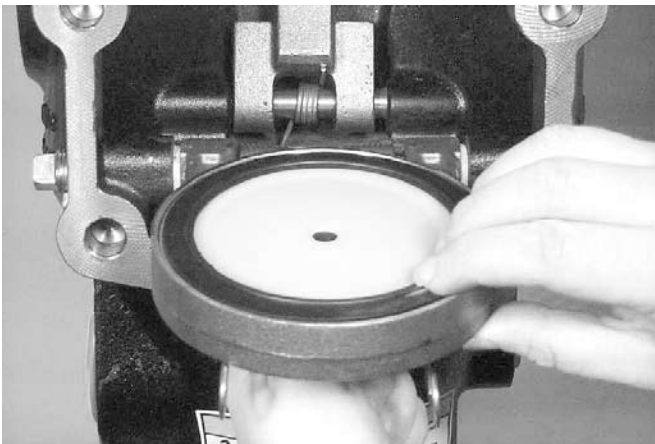
6. Wipe away any contaminants, dirt, and mineral deposits from the clapper. Clean out any holes that are plugged in the valve-body seat ring. **DO NOT USE SOLVENTS OR ABRASIVES.**

## Series 751, 756, 758, 764, 768 and 769

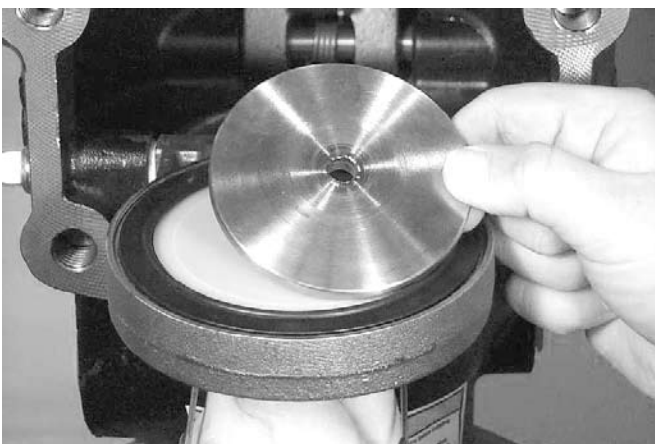
### REPLACING THE CLAPPER SEAL FOR SERIES 751, 756, 758, 764, 768, AND 769 FIRELOCK® FIRE PROTECTION VALVES



Make sure the seal ring is installed in the new clapper seal properly, as shown above. The smaller diameter of the seal ring must be installed toward the sealing surface of the clapper seal.



7. Install the new clapper seal into the clapper carefully. Make sure the seal ring snaps into the clapper completely.

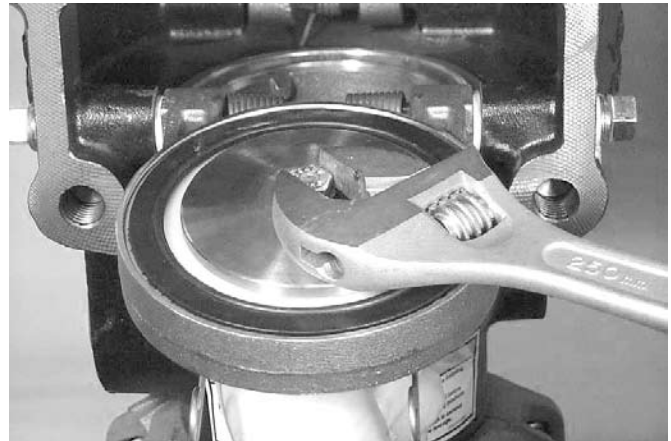


8. Place the seal-retaining ring onto the seal washer of the clapper seal.

**⚠ CAUTION**

- Use only a Victaulic-supplied seal-assembly bolt/bolt seal when reassembling the clapper.

Failure to follow this instruction could result in improper sealing.



9. Install the seal-assembly bolt/bolt seal through the seal-retaining ring and the clapper. Tighten the seal-assembly bolt/bolt seal to the torque value, listed in the table below, to ensure a proper seal.

#### REQUIRED SEAL-ASSEMBLY BOLT/BOLT SEAL TORQUES FOR CLAPPER SEAL "A"

Size		Torque
Nominal Size inches mm	Actual Outside Diameter inches mm	inch-lbs/N•m
1½ 40	1.900 48.3	40 5
2 50	2.375 60.3	40 5
2½ 65	2.875 73.0	90 10
76.1 mm	3.000 76.1	90 10
3 80	3.500 88.9	90 10
4 100	4.500 114.3	110 12
6 150	6.625 168.3	160 18
165.1 mm	6.500 165.1	160 18
8 200	8.625 219.1	160 18

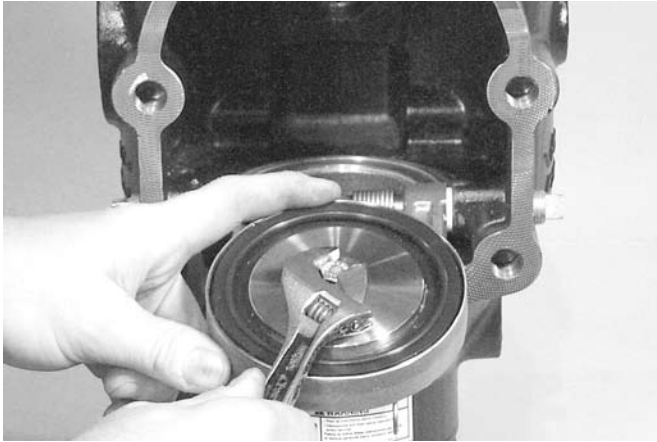
10. Follow all steps in the "Installing the Cover Plate" section.



## Series 751, 756, 758, 764, 768 and 769

### REPLACING THE CLAPPER SEAL FOR SERIES 751, 756, 758, 764, 768, AND 769 FIRELOCK® FIRE PROTECTION VALVES

#### REPLACEMENT OF CLAPPER SEAL "B"



1. Remove the seal-assembly bolt/bolt seal from the clapper seal.



2. Remove the seal-retaining ring.



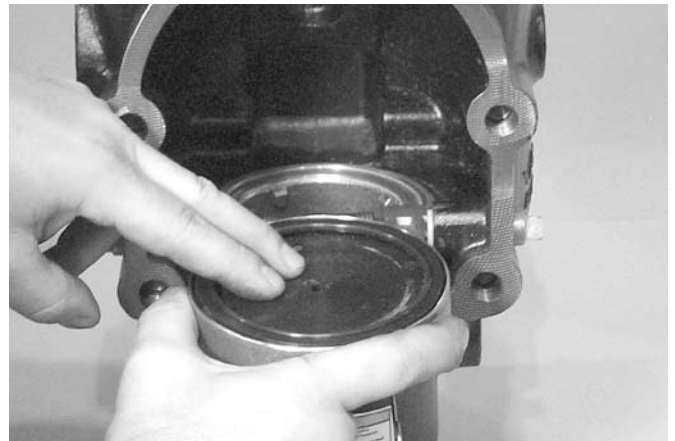
3. Remove the old solid seal from the clapper. Discard the solid seal.

#### **CAUTION**

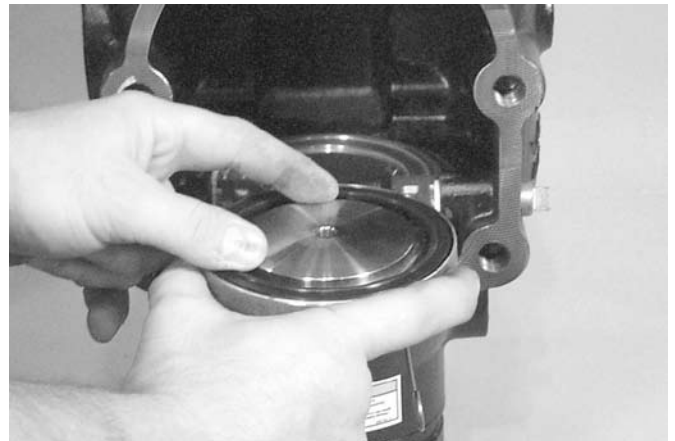
- **DO NOT** use solvents or abrasives on or near the valve body seat ring.

Failure to follow this instruction could prevent the clapper from sealing, resulting in improper valve operation and/or valve leakage.

4. Wipe away any contaminants, dirt, and mineral deposits from the clapper. Clean out any holes that are plugged in the valve-body seat ring. **DO NOT USE SOLVENTS OR ABRASIVES.**



5. Install the new solid seal into the clapper, as shown above. **NOTE:** Make sure the sealing lip is pointing upward.



6. Place the seal-retaining ring onto the solid seal, as shown above.

#### **CAUTION**

- Use only Victaulic-supplied replacement parts.

Failure to follow this instruction could cause improper valve operation, resulting in property damage.

## Series 751, 756, 758, 764, 768 and 769

### REPLACING THE CLAPPER SEAL FOR SERIES 751, 756, 758, 764, 768, AND 769 FIRELOCK® FIRE PROTECTION VALVES



7. Install the seal-assembly bolt/bolt seal through the seal-retaining ring and the clapper. Tighten the seal-assembly bolt/bolt seal to the torque value, listed in the table below, to ensure a proper seal.

#### REQUIRED SEAL-ASSEMBLY BOLT/BOLT SEAL TORQUES FOR CLAPPER SEAL "B"

Size		Torque
Nominal Size inches mm	Actual Outside Diameter inches mm	
3	3.500	15
80	88.9	2
4	4.500	75
100	114.3	8
6	6.625	75
150	168.3	8
165.1 mm	6.500	75
	165.1	8

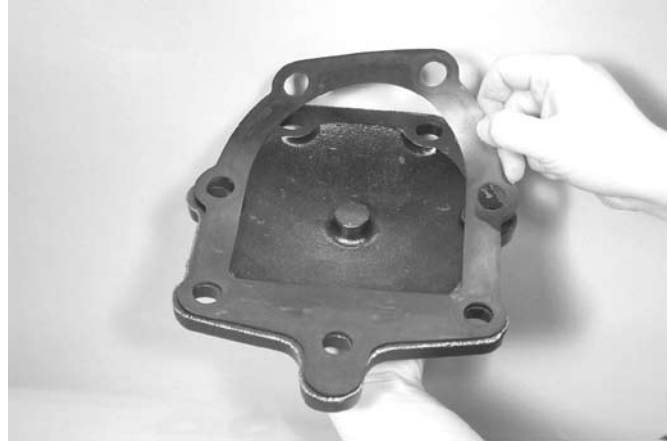
8. Follow all steps in the "Installing the Cover Plate" section.

#### INSTALLING THE COVER PLATE GASKET AND COVER PLATE

#### **CAUTION**

- Use only Victaulic-supplied replacement parts.  
Failure to follow this instruction could cause improper valve operation, resulting in property damage.

1. Verify that the cover plate gasket is in good condition. If the gasket is torn or worn, replace it with a new, Victaulic-supplied gasket.



2. Align the holes of the cover plate gasket with the holes in the cover plate.



3. Insert one cover bolt through the cover plate and cover gasket to ease alignment.

## Series 751, 756, 758, 764, 768 and 769

### REPLACING THE CLAPPER SEAL FOR SERIES 751, 756, 758, 764, 768, AND 769 FIRELOCK® FIRE PROTECTION VALVES

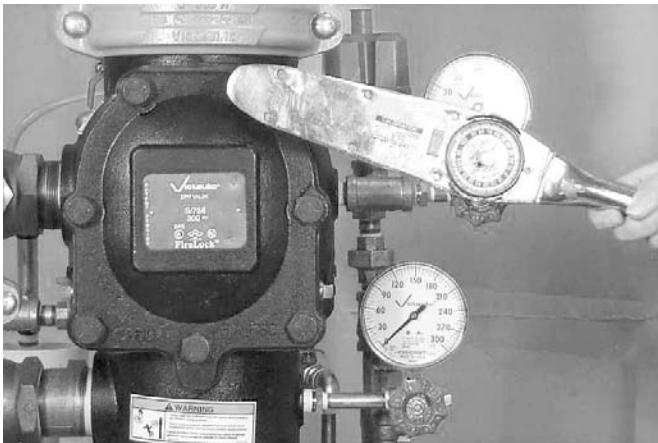


- Align the cover plate/cover plate gasket to the valve. Make sure the clapper spring's arms are rotated to their installed position. Tighten all cover plate bolts into the cover plate/valve body.

#### **CAUTION**

- DO NOT over-tighten the cover plate bolts.**

**Failure to follow this instruction could cause damage to the cover plate gasket, resulting in valve leakage.**



- Torque all cover plate bolts in an even, crossing pattern. Refer to the "Required Cover Plate Bolt Torque" table on this page for the required torque values. DO NOT over-tighten the cover bolts.

#### REQUIRED COVER PLATE BOLT TORQUES

Size		Torque
Nominal Size inches mm	Actual Outside Diameter inches mm	ft-lbs/N•m
1½ 40	1.900 48.3	30 41
2 50	2.375 60.3	30 41
2½ 65	2.875 73.0	60 81
76.1 mm	3.000 76.1	60 81
3 80	3.500 88.9	60 81
4 100	4.500 114.3	100 136
6 150	6.625 168.3	115 156
165.1 mm	6.500 165.1	115 156
8 200	8.625 219.1	100 136

- Place the system back in service by following the "Placing the System in Service" section in the appropriate installation, maintenance, and testing manual supplied with the valve.

## Series 751, 756, 758, 764, 768 and 769

REPLACING THE CLAPPER SEAL FOR SERIES 751, 756, 758, 764, 768, AND 769  
FIRELOCK® FIRE PROTECTION VALVES

---

---

**US & WORLD HEADQUARTERS**

P.O. Box 31  
Easton, PA 18044-0031 USA  
4901 Kesslersville Road  
Easton, PA 18040 USA

1-800-PICK-VIC (1-800-742-5842)  
1-610-559-3300  
1-610-250-8817 (fax)  
pickvic@victaulic.com

[www.victaulic.com](http://www.victaulic.com)

**CANADA**

905-884-7444  
905-884-9774 (fax)  
viccanada@victaulic.com

**EUROPE**

32-9-381-15-00  
32-9-380-44-38 (fax)  
viceuro@victaulic.be

**UNITED KINGDOM**

44 (0) 1438741100  
44 (0) 1438313883 (fax)  
viceuro@victaulic.be

**CENTRAL AND SOUTH AMERICA**

1-610-559-3300  
1-610-559-3608 (fax)  
vical@victaulic.com

**ASIA PACIFIC**

86-21-54253300  
86-21-54253671 (fax)  
vicap@victaulic.com

**MIDDLE EAST**

971-4-883-88-70  
971-4-883-88-60 (fax)

---

UPDATED 4/2007

I-30 2617 REV D Z100751001

VICTAULIC IS A REGISTERED TRADEMARK OF VICTAULIC COMPANY. © 2006 VICTAULIC COMPANY. ALL RIGHTS RESERVED. PRINTED IN THE USA.