!!! IMPORTANT !!!

Prior to installation, before you install the Dual-Flush Flusher, be sure the items listed below are installed. Also, refer to the rough-in diagram below.

- Closet fixture
- Drain line
- Water supply line

Important:

- ALL PLUMBING SHOULD BE INSTALLED IN ACCORDANCE WITH APPLICABLE CODES AND REGULATIONS.

The water supply lines must be sized to provide an adequate volume of water for each fixture.

- FLUSH ALL WATER LINES PRIOR TO MAKING CONNECTIONS.

The Sloan Dual-Flush Flusher is designed to operate with 1 to 10 psi (69 to 689 kPa) of water pressure. The minimum pressure required to the Valve is determined by the type of fixture selected. Consult fixture manufacturer for minimum pressure requirements.

The Low Consumption Water Closets (1.6 gpf/6.0 Lpf) require a minimum flowing pressure of 25 psi (172 kPa).

TROUBLESHOOTING GUIDE

1. Flusher does not function (no flush).
   - A. Control Stop or Main Valve is Closed. Open Control Stop or Main Valve.
   - B. Control Stop is not open wide enough. Adjust Control Stop for desired delivery of water volume.
   - C. Relief Valve is damaged. Replace Relief Valve (WES-212).
   - D. Water supply volume or pressure is inadequate. If no gauges are available to properly measure supply pressure or volume of water at the Flusher, then remove the relief valve from the Dual-Filtered Diaphragm Assembly, reassemble the Flusher and completely open the Control Stop.

2. Volume of water is not sufficient to siphon fixture.
   - A. Control Stop is not open wide enough. Adjust Control Stop for desired delivery of water volume.
   - B. Dual-Filtered Diaphragm Assembly is damaged. Replace Performance Kit.
   - C. Incorrect Dual-Filtered Diaphragm Assembly is installed in Flusher; for instance, Urinal assembly inside a Closet Flusher, or Low Consumption assembly inside a higher consumption fixture. Determine the flush volume required by the fixture and replace Performance Kit. Use valve label and markings on fixture for reference.
   - D. Water supply volume or pressure is inadequate. If no gauges are available to properly measure supply pressure or volume of water at the Flusher, then remove the relief valve from the Dual-Filtered Diaphragm Assembly, reassemble the Flusher and completely open the Control Stop.

3. Length of flush is too short (short flush).
   - A. Dual-Filtered Diaphragm Assembly is damaged. Replace Performance Kit.
   - B. Handle Assembly is damaged. Replace Handle (WES-212).
   - C. Incorrect Dual-Filtered Diaphragm Assembly is installed in Flusher; for instance, Urinal assembly inside a Closet Flusher, or Low Consumption assembly inside a higher consumption fixture. Determine the flush volume required by the fixture and replace Performance Kit. Use valve label and markings on fixture for reference.

4. Length of flush is too long (long flush) or continuous.
   - A. Metering bypass hole in Diaphragm is clogged. Remove the Dual-Filtered Diaphragm Assembly. Remove the Primary and Secondary Filter rings from the Diaphragm and wash in running water. Replace Performance Kit if cleaning does not correct the problem.
   - B. Diaphragm or Relief Valve is damaged. Replace Performance Kit.
   - C. Incorrect Dual-Filtered Diaphragm Assembly is installed in Flusher; for instance, Closet assembly inside a Urinal Flusher, or Water Saver assembly inside a Low Consumption Flusher. Determine the flush volume required by the fixture and replace Performance Kit. Use valve label and markings on fixture for reference.
   - D. Inside Cover is damaged. Replace Inside Cover (A-71).
   - E. Supply line water pressure has dropped and is not sufficient to close the valve. Close Control Stop until pressure is restored.
   - F. Chattering noise is heard during flush.
      - A. Inside Cover is damaged. Replace Inside Cover (A-71).

5. Handle Leaks.
   - A. Handle Seal or Assembly is damaged. Replace Handle (WES-212).

When assistance is required, please contact Sloan Valve Company Installation Engineering Department: 1-888-SLOAN-16 (1-888-756-2614) or 1-847-233-2016.
1 Install Optional Sweat Solder Adapter (only if your supply pipe does not have a male thread)

2 Install Cover Tube, Wall Flange and Control Stop to supply pipe

3 Install Vacuum Breaker Flush Connection

4 Install Flusherometer

5 Install Dual-Flush Handle Assembly and Gasket (if not already installed)

6 Flush Out Supply Line

7 Adjust Control Stop and Install Vandal Resistant Stop Cap

8 Install Dual-Flush Instruction Plates (Recommended Plate Locations)