

# SOLIDSVAC<sup>®</sup>

SOLIDS PUMPING SYSTEMS



## Strainer Trainer Operations Manual



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## SAFETY FIRST

### CAUTION & GENERAL SAFETY

This manual contains important information concerning the installation, operation and maintenance of the Solidsvac Strainer Trainer. To prevent injury to personnel or equipment damage, this manual MUST be read and understood by those responsible for the installation, operation and maintenance of the equipment.

**THIS OPERATION MANUAL MUST BE USED IN CONJUNCTION WITH BOTH SITE-SPECIFIC RA AND JSA's.**

- Isolate, tag out and disconnect the air supply to the unit prior to working on any part of the system
- Lift the equipment only at the lifting points provided
- The unit should be installed in a safe level area, which provides adequate access for operating the equipment
- Ensure all hoses are in good condition, correctly rated and certified for the service in which they are to be used
- Inspect the unit regularly for damaged or worn components

### WARNING

Compressed air can be dangerous. Correctly rated hoses and piping should be used in conjunction with the appropriate fittings and safety devices on all connections.

The unit is designed to operate between 448kPa (65psi) and 896kPa (130psi).

## 1. STRAINER TRAINER OVERVIEW

This unit is designed to assist with keeping pump pick-up strainers free from clogging by intermittently purging the strainer box with a short burst of either air or liquid (FLUSH MEDIUM).

## 2. OPERATION

- Locate the unit as close as possible to the strainer/snore box to be purged whilst ensuring ease of access.

**Note: Supports are provided if the unit is required to be suspended or secured.**

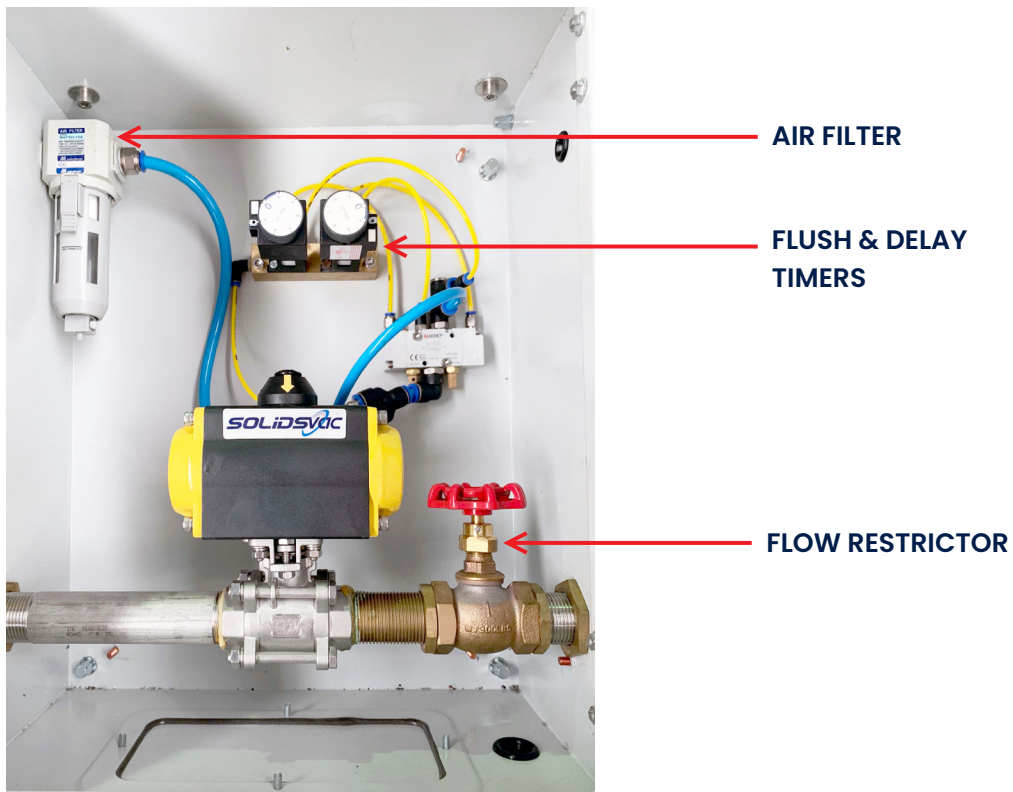
- Ensure the unit's 'AIR SUPPLY' ball valve is turned in the 'OFF' position.
- Connect air supply to the 'AIR ONLY' connection on the top left hand side of the unit.
- Connect the flush medium to the 'FLUSH MEDIUM' inlet on the bottom left hand side of the unit.
- Connect the flush line from the 'FLUSH OUTLET' to the strainer inlet adaptor.

**Note: Ensure all safety clips are fitted correctly.**

- Turn supply air on to the unit.
- Turn the unit's air supply valve on, the unit will now commence operation

**Note: The Strainer Trainer will now flush the strainer with the selected purge medium for 2 seconds once every 150-180 seconds.**

### 3. MAIN COMPONENTS



**Flush & Delay Timers** - The Flush Cycle Timer can be rotated clock-wise or anti-clockwise to increase or decrease the length of time the strainer trainer will flush medium into the attached strainer.

**Note: 0 to 3 seconds.**

The Delay Cycle Timer can be rotated clock-wise or anti-clockwise to increase or decrease the length of time the between the Flush Cycles.

**Note: 0 to 180 seconds.**

**Flow Restrictor** - The flow restrictor is locked by a grub screw. Undoing the grub screw will allow the Flow Restrictor to be turned clock-wise or anti-clockwise to increase or decrease the flow of the flush medium.

#### 4. MAINTENANCE

The Strainer Trainer requires little to no maintenance, however Solidsvac recommends regular inspections of the fittings, hoses and other components to ensure damaged or worn out parts are replaced appropriately.

### WARNING

THIS UNIT MUST BE ISOLATED IF THE STRAINER/SNORE BOX/PICK-UP  
IS TO BE APPROACHED FOR ANY REASON

Model Number

Serial Number

Date of Manufacture

Inspected by



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