

UV PROCESS SUPPLY, INC.

CON-TROL-CURE® SURGE SUPPRESSORS

PART # J004-052 (1/2"); J004-053 (1/4")

1/4" SURGE SUPPRESSOR OPERATION:

1. Using a 1/4" flexible hose, run an air line to the top of the surge suppressor. If the suppressor is being used in conjunction with pneumatically operated equipment, a tee can be used to run an air line to the suppressor from the existing equipment supply. The tee should be placed in line after any in-line instrumentation, such as a filter, regulator or lubricator.
2. Prior to starting the equipment, charge the surge suppressor with full air line pressure, to a maximum of 125 psi. Do not start the equipment until the suppressor is fully charged with air or bladder rupture may occur.
3. Start the equipment to generate working pressure. As working pressure is achieved, gradually decrease the air supply pressure to the suppressor by adjusting the regulator on top of the suppressor until pulsation/vibration are minimized. Generally, pulsation is most effectively minimized when pressure at the suppressor is 6 to 8 psi below pump discharge pressure. Allow the system to respond to change in suppressor pressure--this may take one or two minutes.

CAUTION: DO NOT EXCEED 125 PSI

CAUTION: REMOVE ALL PRESSURE FROM SURGE SUPPRESSOR BEFORE DISMANTLING FOR REPAIR

1/2" SURGE SUPPRESSOR OPERATION:

The 1/2" Surge Suppressor is a flow through type with a 1/2" NPT inlet and outlet.

OPERATION:

1. Adjust the 1/2" Surge Suppressor to the maximum pressure (up to 100 psi) by turning the knob on the regulator clockwise.
2. After the 1/2" Surge Suppressor has been charged to approximately 100 psi, start the pump. Run the pump for 30 to 60 seconds to stabilize discharge pressure.
3. Slowly reduce the pressure in the 1/2" Surge Suppressor by turning the knob on the regulator counter clockwise until pulsation/vibration is minimized.

If a pressure gauge is installed in the discharge line downstream of the suppressor, adjustment will be easier as gauge needle fluctuation can be observed. Pressure in the 1/2" Surge Suppressor should be approximately 2 to 5 psi below pump discharge pressure for maximum dampening. After it has been adjusted to the correct pressure, allow 30 to 60 seconds for the dampener to fully fill with liquid before the final fine tuning adjustment is made.

4. No further adjustment is needed unless the pump's discharge pressure is changed, then steps 1,2 and 3 need to be repeated.

CAUTION: DO NOT EXCEED 100 PSI

CAUTION: REMOVE ALL PRESSURE FROM THE 1/2" SURGE SUPPRESSOR BEFORE DISMANTLING FOR REPAIR

UV PROCESS SUPPLY, INC.

CON-TROL-CURE® SURGE SUPPRESSORS

PART # J004-052 (1/2"); J004-053 (1/4")

This document provides information about a product distributed by UV Process Supply, Inc ("the Seller"). The information provided in this document is offered in good faith and is believed to be reliable, but is made WITHOUT WARRANTY, EXPRESS OR IMPLIED, AS TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ANY OTHER MATTER.

This document is not intended to provide advice (technical, legal or otherwise) for a particular set of facts, but is of a general nature. Users of this document should consult with their own advisors and appropriate sources. The Seller and its employees do not assume any responsibility for the user's compliance with any applicable instructions, laws or regulations, nor for any persons relying on the information contained in this document.

All risk arising out of the performance of this product and/or the understanding of its usage remains solely with the Buyer. In no event shall the Seller be held liable for lost profits, lost savings, incidental or direct damages or other economic consequential damages regardless of any statement, expressed or implied, of such liability by the Seller's employees or any of its authorized agents. In addition, the Seller and its suppliers will be held harmless for any damages claimed on behalf of any third party.

The Buyer of this product accepts full responsibility and understanding for the terms and specifications set forth herein.