

Installation Instructions

CSM Pressure Regulator Assembly Kit

Kit #28190S

⚠ WARNING



Read this Manual **BEFORE** using this equipment.
Failure to read and follow all safety and use information can result in death, serious personal injury, property damage, or damage to the equipment.
Keep this Manual for future reference.



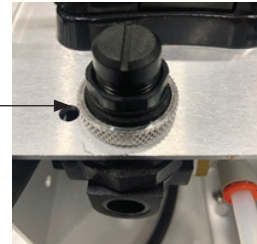
Included with the Pressure Regulator Assembly Kit #28190S

- Pressure Regulator (1)

To replace the pressure regulator on the CSM instrument:

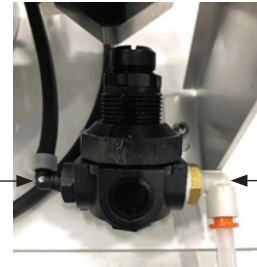
1. Turn off water to the CSM instrument.
2. Loosen the screws on the bracket connecting the pressure regulator to the back panel.
3. Lift bracket and attached components from back panel.
4. Loosen the water inlet tube (orange) from the pressure regulator.
5. Remove the panel nut that holds the regulator in place.
6. Lower the regulator down through the bracket.
7. Remove fittings (x2) from inlet and outlet of regulator. Be sure to note "IN" and "OUT" positions of the regulator.
8. Clean off the old fittings and apply new polytetrafluoroethylene tape to the threads of the fittings.
9. Reinstall the fittings into the new regulator in the same orientation as the original. Be sure the "IN" and "OUT" positions are orientated the same as the old regulator. "IN" and "OUT" are labeled on the pressure regulator.
10. Place the regulator back into the brackets and secure into place with panel nut.
11. Reattach bracket and attached components to the back panel and tighten screws loosened in step 2.
12. Insert the water tubing back into the push to connect inlet fitting.
13. Turn water supply to CSM instrument back on.
14. Turn CSM instrument on and check for leaks.

5 Panel Nut



4 Water Inlet Tube

7 Remove Outlet Fitting and Clean



7 Remove Inlet Fitting and Clean

9 Outlet Label (Black Fitting, Black Tubing)



9 Inlet Label (White Fitting, Orange Connector, Clear Tubing)



A WATTS Brand

Warranty

Watts Regulator Co. (the "Company") warrants each municipal market instrument product to be free from defects in material and workmanship under normal usage for a period of one (1) year from first use or two (2) years from date of the Company's invoice from the original sale of the product, whichever occurs first. In the event of such defects within the warranty period, the Company will, at its option, replace or recondition the product without charge. Parts which by their nature are normally required to be replaced periodically, consistent with normal maintenance, specifically reagents, desiccant, sensors, electrodes and fuses, are excluded. Also excluded are accessories and supply-type items.

Proof of purchase from the Company (Company invoice or paid order confirmation) and/or first use (commissioning) must be provided when making a product warranty claim.

THE WARRANTY SET FORTH HEREIN IS GIVEN EXPRESSLY AND IS THE ONLY WARRANTY GIVEN BY THE COMPANY WITH RESPECT TO THE PRODUCT. THE COMPANY MAKES NO OTHER WARRANTIES, EXPRESSED OR IMPLIED. THE COMPANY HEREBY SPECIFICALLY DISCLAIMS ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The remedy described in the first paragraph of this warranty shall constitute the sole and exclusive remedy for breach of warranty, and the Company shall not be responsible for any incidental, special or consequential damages, including without limitation, lost profits or the cost of repairing or replacing other property which is damaged if this product does not work properly, other costs resulting from labor charges, delays, vandalism, negligence, fouling caused by foreign material, damage from adverse water conditions, chemical, or any other circumstances over which the Company has no control. In addition, the Company shall not be responsible for any costs incidental to the Company's warranty response efforts, including, without limitation, costs associated with the removal and replacement of systems, structures or other parts of facilities, de-installation, decontamination and re-installation of products, or transportation of products to and from the Company. This warranty shall be invalidated by any abuse, misuse, misapplication, improper installation or improper maintenance of the product, alteration of the product or use of any parts or accessories (including but not limited to reagents) not provided by the Company.

Some states do not allow limitations on how long an implied warranty lasts, and some states do not allow the exclusion or limitation of incidental or consequential damages. Therefore the above limitations may not apply to you. This Limited Warranty gives you specific legal rights, and you may have other rights that vary from State to State. You should consult applicable state laws to determine your rights. **SO FAR AS IS CONSISTENT WITH APPLICABLE STATE LAW, ANY IMPLIED WARRANTIES THAT MAY NOT BE DISCLAIMED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO ONE YEAR FROM THE DATE OF ORIGINAL SHIPMENT.**



A WATTS Brand

USA: T: (239) 337-2116 • Toll-Free (888) 203-7248 • F: (239) 454-0694 • HFscientific.com
Latin America: T: (52) 81-1001-8600 • HFscientific.com