

CL17sc

Installation and Maintenance Guide

DO:

- Mount the Y-strainer assembly ahead of the analyzer. Make sure that the angled bypass port points down. Make sure that the flow arrow on the Y-strainer points in the direction of the sample flow towards the analyzer inlet.



Figure 1: CL17sc with pressure regulator installation

- Check inlet sample pressure supplied to Y-strainer, where it should be between 4.5-75 psi. After sample pressure is reduced with pressure regulator or standpipe installation kit, sample pressure at the inlet to the instrument should be between 1.5-5 psi. You may need a plumbing solution to increase or decrease sample pressure to the Y-strainer.



Figure 2: Sample pressure guidance for CL17sc with pressure regulator installation

- If using regular or modified standpipe installation option, ensure that standpipe is mounted at sufficient head height above the analyzer as specified in user manual. Note: Sample connections for modified standpipe kit and regular standpipe kit are different. Modified standpipe kit can handle higher sample pressures (10-75psi at the Y-strainer).

CL17sc Quick Start Guide

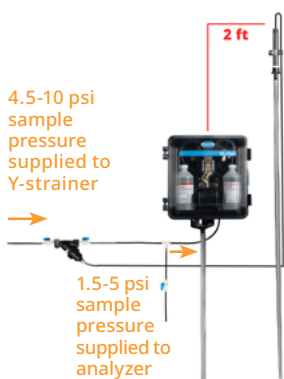


Figure 3: Sample pressure guidance for CL17sc with REGULAR STANDPIPE installation (suitable for < 10psi sample pressure at Y-strainer)

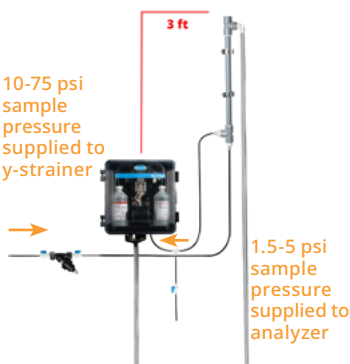


Figure 4: Sample pressure guidance for CL17sc with MODIFIED STANDPIPE installation (suitable for > 10psi sample pressure at Y-strainer)

- ❑ Install drain line pointing straight downwards. Drain line should not be submerged in water.
- ❑ Confirm sample flow at the drain is between 60-200 mL/min. Note: flow rate of 120-200 mL/min is recommended for best performance.

DON'T:

- ✗ Do not use CL17sc in applications with too many impurities such as suspended solids or sand in sample (e.g., wastewater applications) unless additional filtration is applied to clean the sample before it enters the analyzer.
- ✗ Do not install CL17sc in direct sunlight.
- ✗ Do not forget to check analyzer and controller software version and ensure they are up to date.
- ✗ Do not forget to install Sample Bypass tubing to prevent over-pressuring the analyzer and check for leaks within the system (not applicable to modified standpipe kit).
- ✗ Do not forget to perform regular preventative maintenance on the analyzer as outlined in the user manual (Clean colorimeter cell, replace reagents, clean y-strainer, replace stir bar and tubing harness and clean the flowmeter).
- ✗ Do not use the previous CL17 sulfuric acid cleaning solution. It is too strong and can damage CL17sc measurement cell. Only use the 8573100 5.25 N cleaning solution recommended for the CL17sc. When cleaning the cell, do not swab up and down, as this can dislodge gaskets. Only swab around the cell.



World Headquarters: Loveland, Colorado USA | hach.com

United States

800-227-4224

orders@hach.com

Outside United States

970-669-3050

intl@hach.com

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