

TU5300/TU5400sc

Plumbing for membrane filtration systems

⚠ WARNING

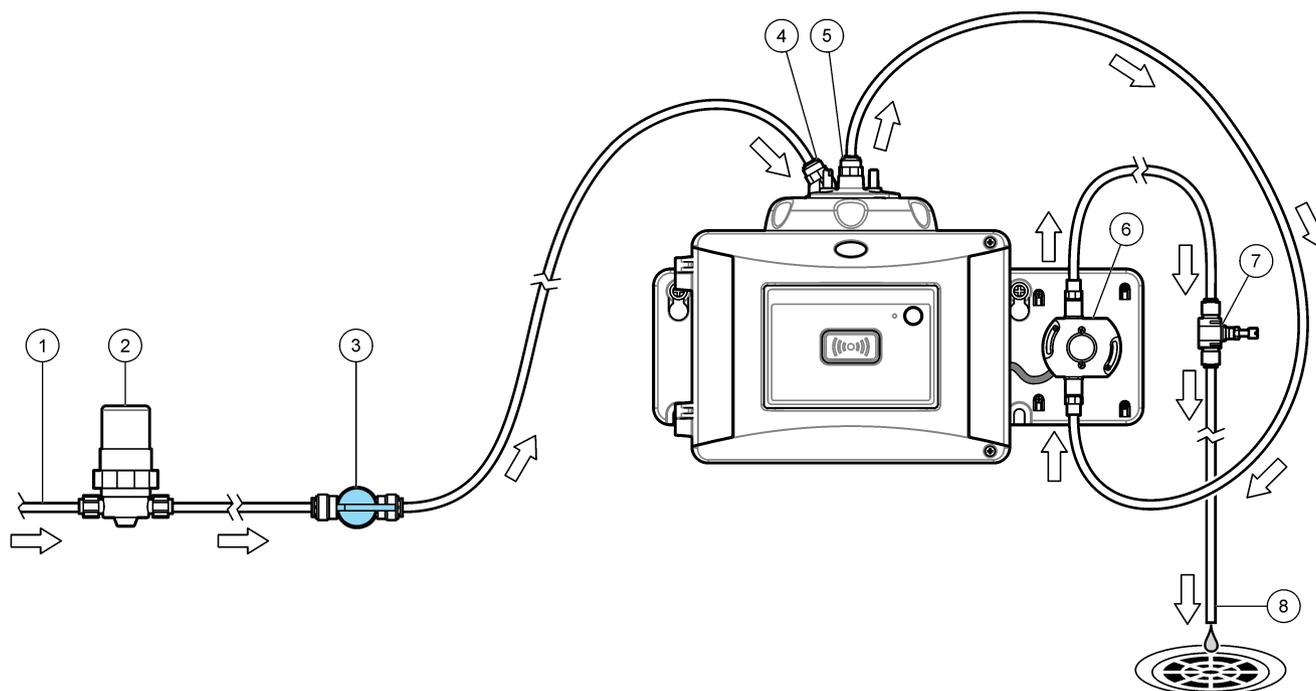


Multiple hazards. For complete safety information, refer to the user manual of the primary instrument.

The guidelines that follow decrease the time that the turbidimeter shows spikes from air bubbles after a pressure decay test. Make sure to obey the specifications and the safety information in the user manual.

- Plumb the turbidimeter as shown in [Figure 1](#) to keep the air bubbles to a minimum.
- Use a ¼-inch OD sample line (item 1 in [Figure 1](#)) with a maximum length of 2 m (6.6 ft). A longer sample line will cause a delay of 4 seconds/meter when the flow rate is 200 mL/minute.
- Set the pressure as high as possible within the specifications in the user manual.
- When plumbing is complete, use the instructions in the user manual to set the flow rate.
- If necessary, use the SCADA system to set a delay time after the pressure decay test.

Figure 1 Plumbing for membrane filtration systems



1 Sample line, ¼-inch OD, 2 m (6.6 ft) maximum	5 Sample outlet
2 Pressure regulator (optional)	6 Flow sensor (make sure the flow direction is correct)
3 Flow shutoff valve	7 Flow regulator (make sure the flow direction is correct)
4 Sample inlet	8 Drain tube

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