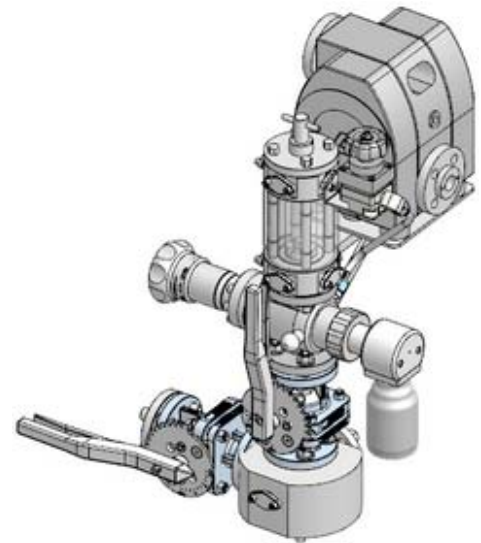
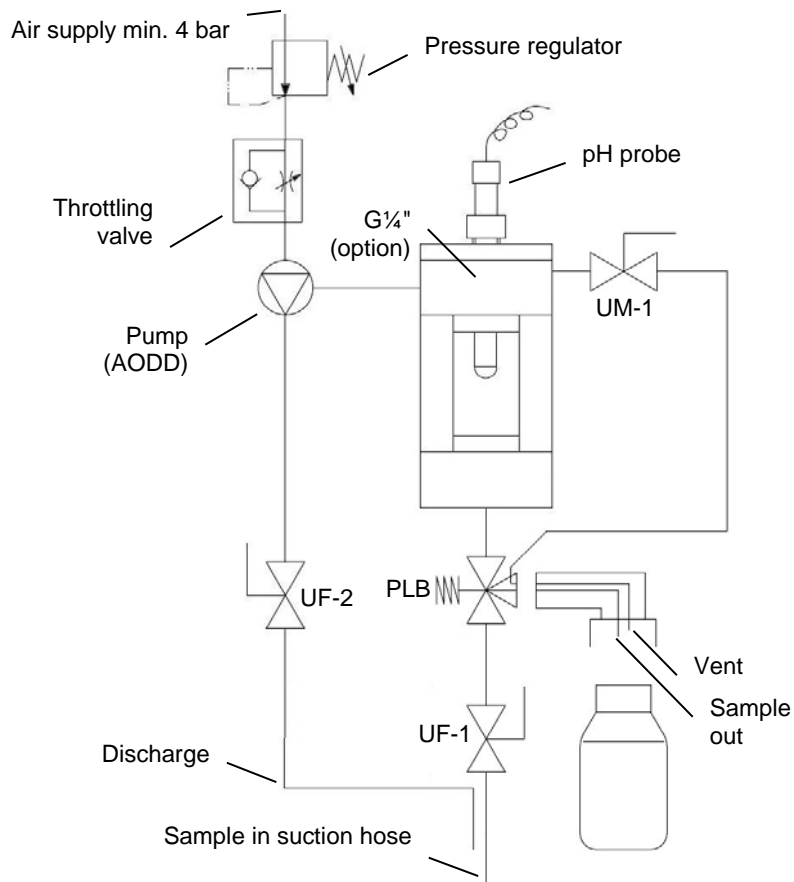


Operating principle

System type : UPR

Version : Air operated diaphragm pump + elbow adapter for lab bottle + loop unit for vent + pH probe



UM-1 : membrane valve vent
 PLI : spindle sampling valve
 UF-1 : ball valve process
 UF-2 : ball valve discharge

Step 1, taking a sample

Start with all valves in the closed position and the lab bottle properly connected.

1. Start the pump
2. Open UF-2
3. Open UF-1 → For a representative pH reading and sample, the product should circulate through the system for a while.
4. Close UF-2
5. Close UF-1
6. Stop the pump

Step 2, transferring the sample into the bottle

7. Open PLI and hold
8. Open UM-1 → The liquid flows from the sight glass into the lab bottle.
→ Displaced gas from the bottle is vented to the sight glass.
9. Release PLI (spring loaded hand wheel)
10. Close UM-1
11. Unscrew the lab bottle

Option, additional G 1/4" connection

The sight glass can be filled with a cleaning or a soaking solution for the pH probe.