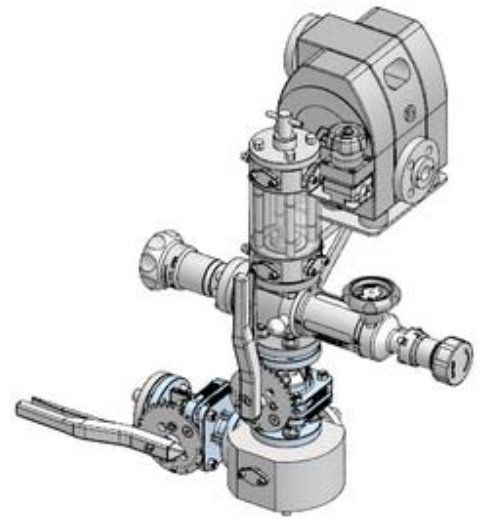
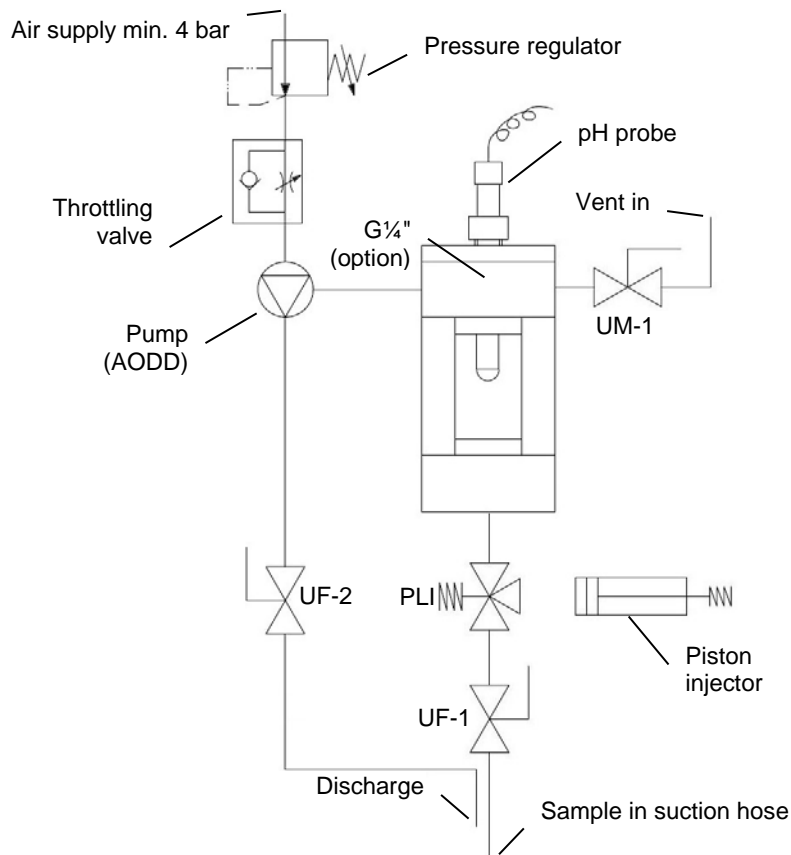


Operating principle

System type : UPR

Version : Air Operated Diaphragm pump + piston injector + pH probe



UM-1 : ball valve vent in
 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 piston injector 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. Lock the piston injector in its open position
8. Open PLI and hold
9. Open UM-1
10. Turn the piston's hand wheel of the piston injector → *The liquid is transferred from the sight glass into the piston injector.*
11. Release PLI (spring loaded hand wheel)
12. Close the piston injector (by unlocking its spring loaded hand wheel)
13. Open UF-1 and UF-2 → *The remaining liquid flows back into the vessel.*
14. Close UF-1 and UF-2
15. Close UM-1
16. Disconnect the piston injector

Option, additional G 1/4" connection

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