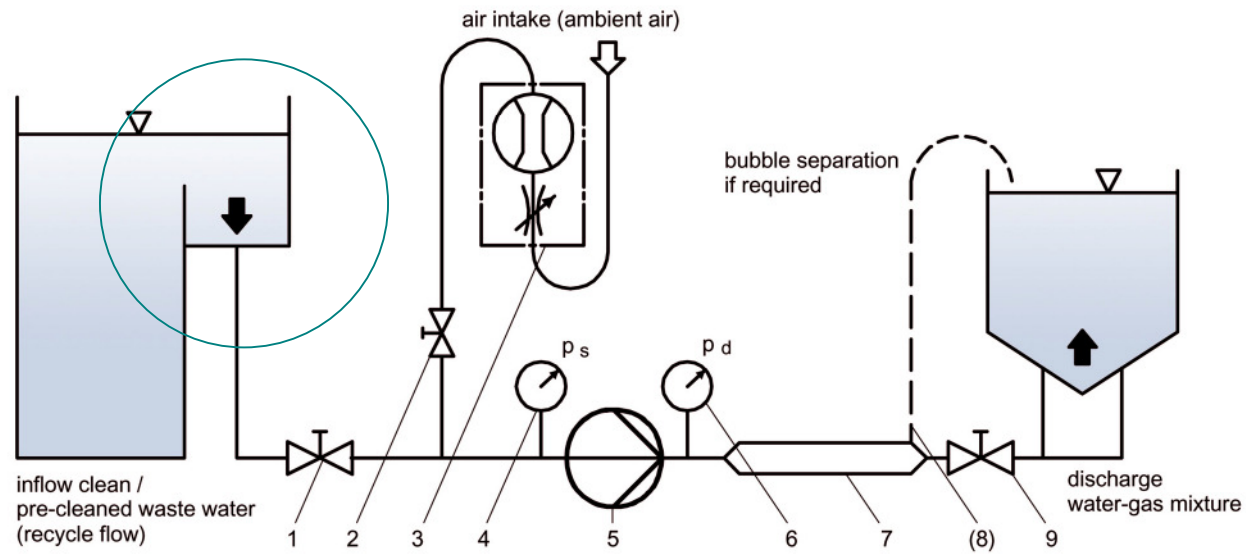
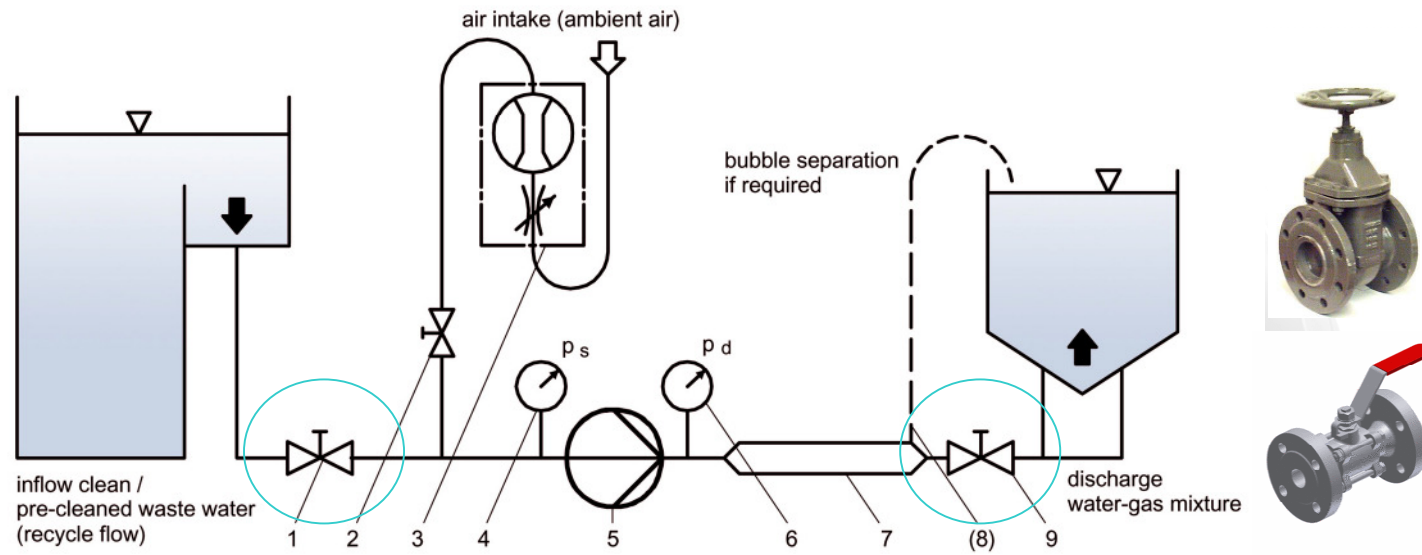


2.2 Initial Starting and Operation of EDUR Multiphase Pumps



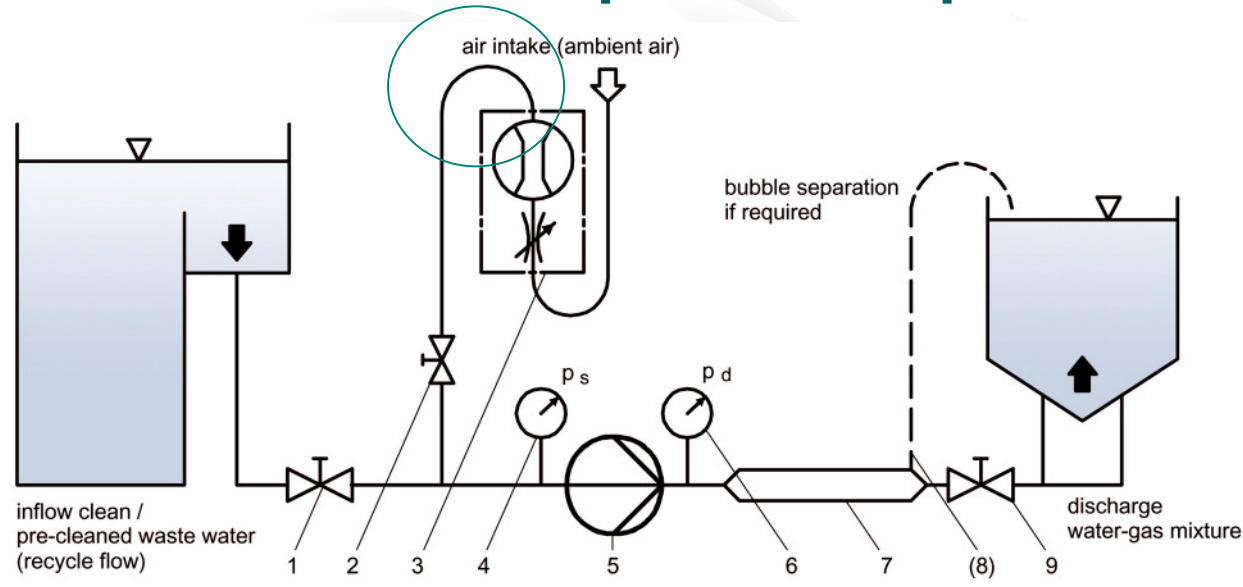
Realize inflow conditions at pump inlet side

2.2 Initial Starting and Operation of EDUR Multiphase Pumps



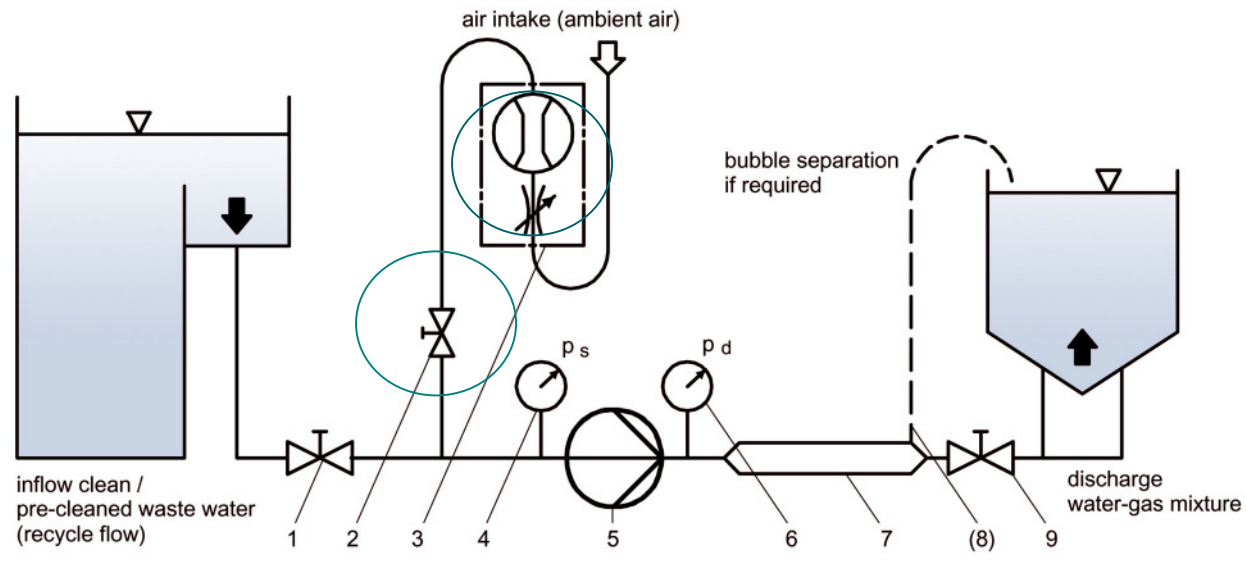
Select throttle valve (1) and pressure relieve valve (9) with good dosing features

2.2 Initial Starting and Operation of EDUR Multiphase Pumps



Gas supply line guidance above highest liquid-level in order to avoid that water will attain the air flow measuring device (3)

2.2 Initial Starting and Operation of EDUR Multiphase Pumps

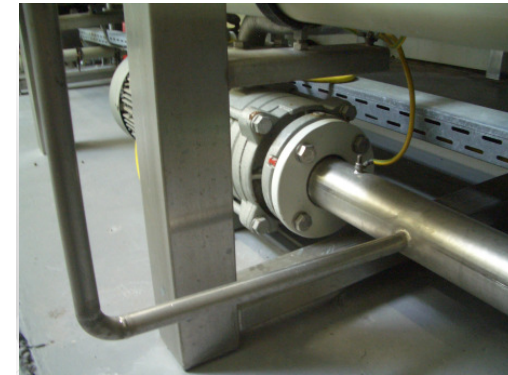
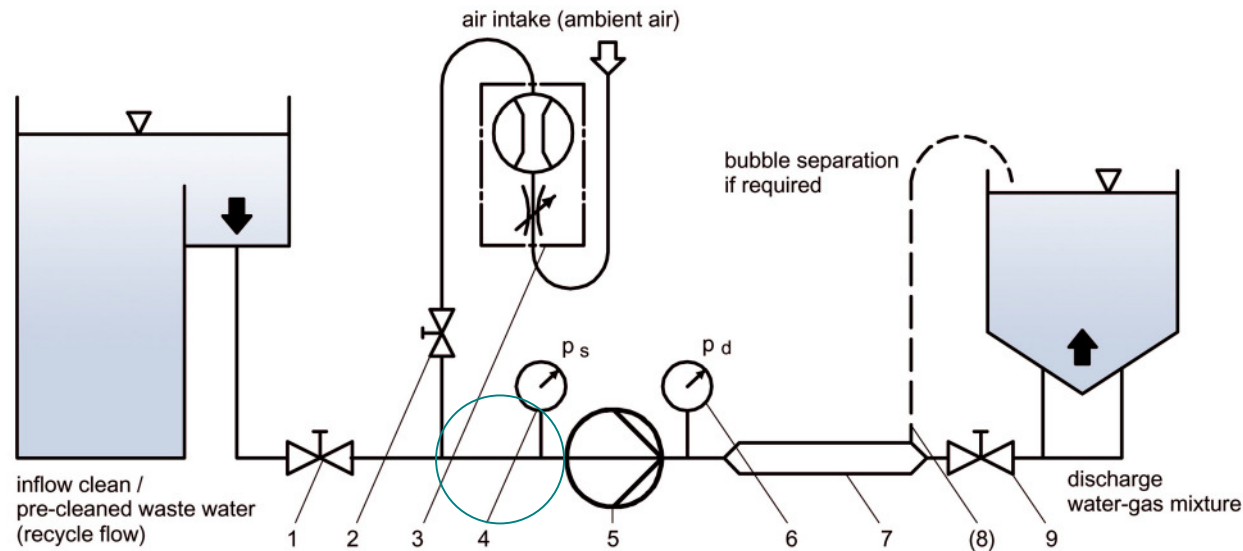


(3)

(2)

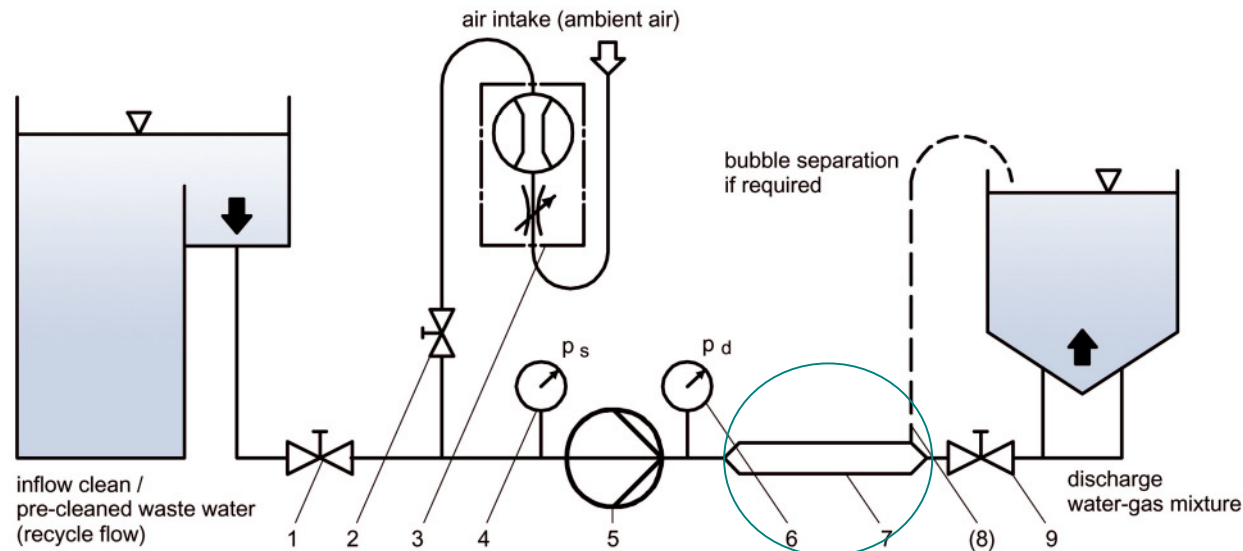
Select air flow measuring device (3) with suitable metering range and with needle valve (2) for optimal adjustment of the air flow

2.2 Initial Starting and Operation of EDUR Multiphase Pumps



Design inflow pipe for the range of air inlet til pump inlet flange in a short and horizontal way in order to ensure that always a constant water-air proportion arrives at the pump

2.2 Initial Starting and Operation of EDUR Multiphase Pumps



As solution line for DAF a pipe line with corresponding larger nominal width (7) will be suitable in order to achieve a dwell period of approx. 1 minute until relaxation. If required, surplus air can be led away by means of a bubble separator (8) at highest position before relaxation (pipe line with very small nominal width)