

Pressure sensor	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Pressure Gauge	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Safety valve	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Lighting with sight glass	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Sampling Valve	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Dip tubes (for base, acid, anti-foam)	3	3	3	3	3	3	3
Glass bottles (for base, acid, anti-foam)	3x250 ml	3x250 ml	3x500 ml	3x500 ml	3x1000 ml	3x1000 ml	3x1000 ml
Utility Requirements							
Cooling water	2 barg						
Compressed air	8 barg						
Steam	2.5 barg						
Optional features (customize in configurator)	Marine/Pitched blade or customized impellers Pressure control during fermentation (up to 1.6 barg) Condenser Gases (Oxygen, Nitrogen, Carbon Dioxide and others up to 4) Overlay (Air) Mass Flow Controller for Gas flow control Sterilizable dosage modules Variable speed pump for fed-batch Continuous process module Scales Additional dip tubes Lid lifting device (hydraulic or electric) CIP Spray ball Service and maintenance stairs with platform Clean steam and condensate lines SCADA						

