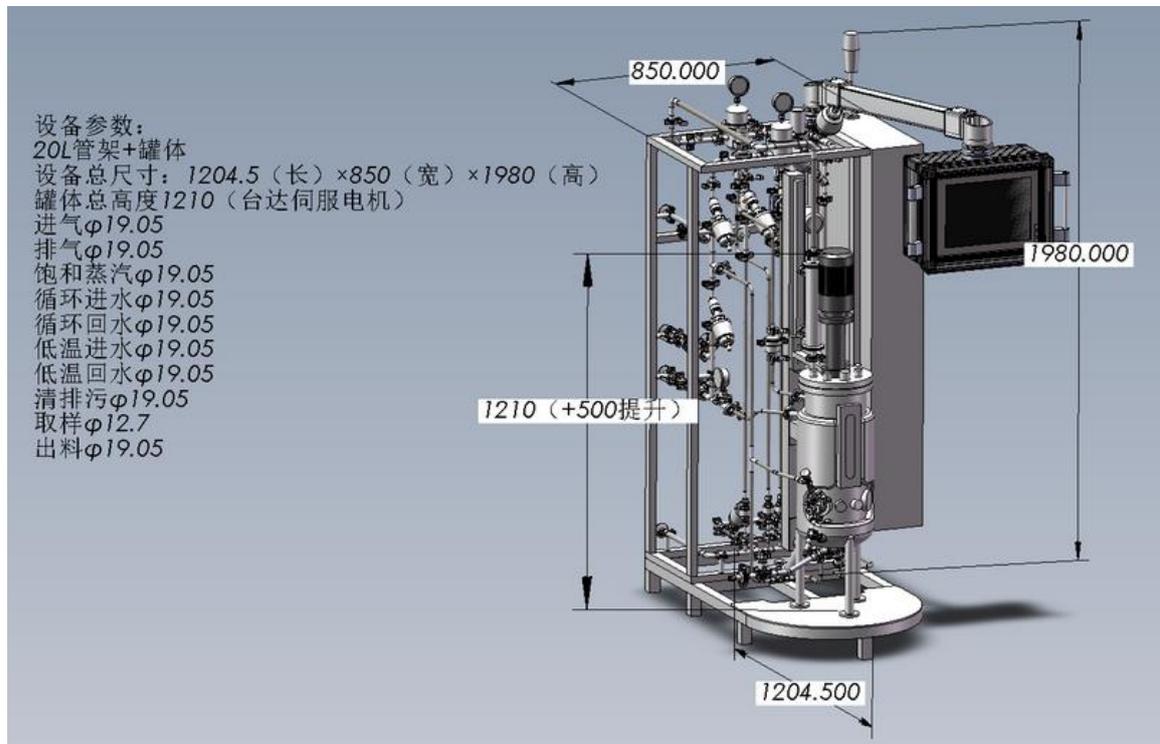


Bioreactor Vessel Dimensions

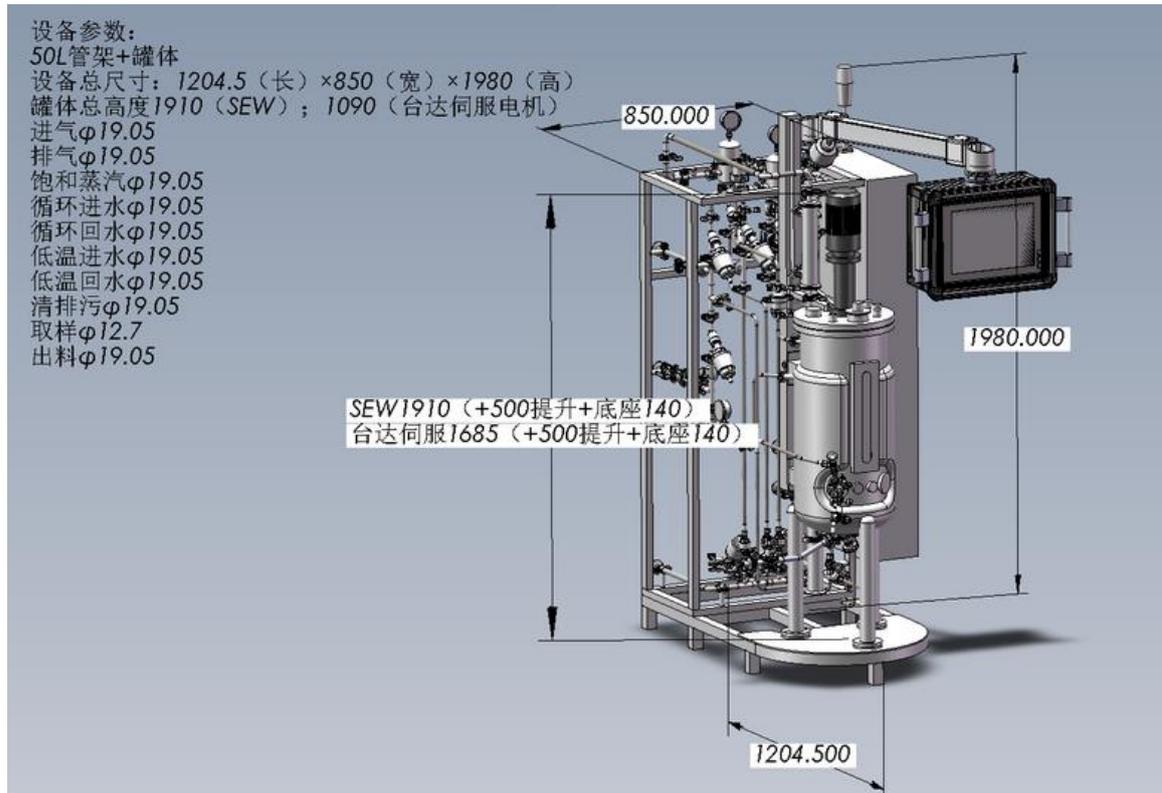
Volume: 10L-30L



Equipment Configuration	20L Skid + Vessel
Overall Dimensions (L×W×H, mm)	1204.5×850×1980
Total Vessel Height	1210 (SEW)
Air Inlet (Ø, mm)	19.05
Exhaust (Ø, mm)	19.05
Saturated Steam (Ø, mm)	19.05
Circulating Water Inlet (Ø, mm)	19.05
Chilled Water Inlet (Ø, mm)	19.05
Chilled Water Outlet (Ø, mm)	19.05

Drain / Waste (Ø, mm)	19.05
Sampling Port (Ø, mm)	12.7
Discharge Outlet (Ø, mm)	19.05

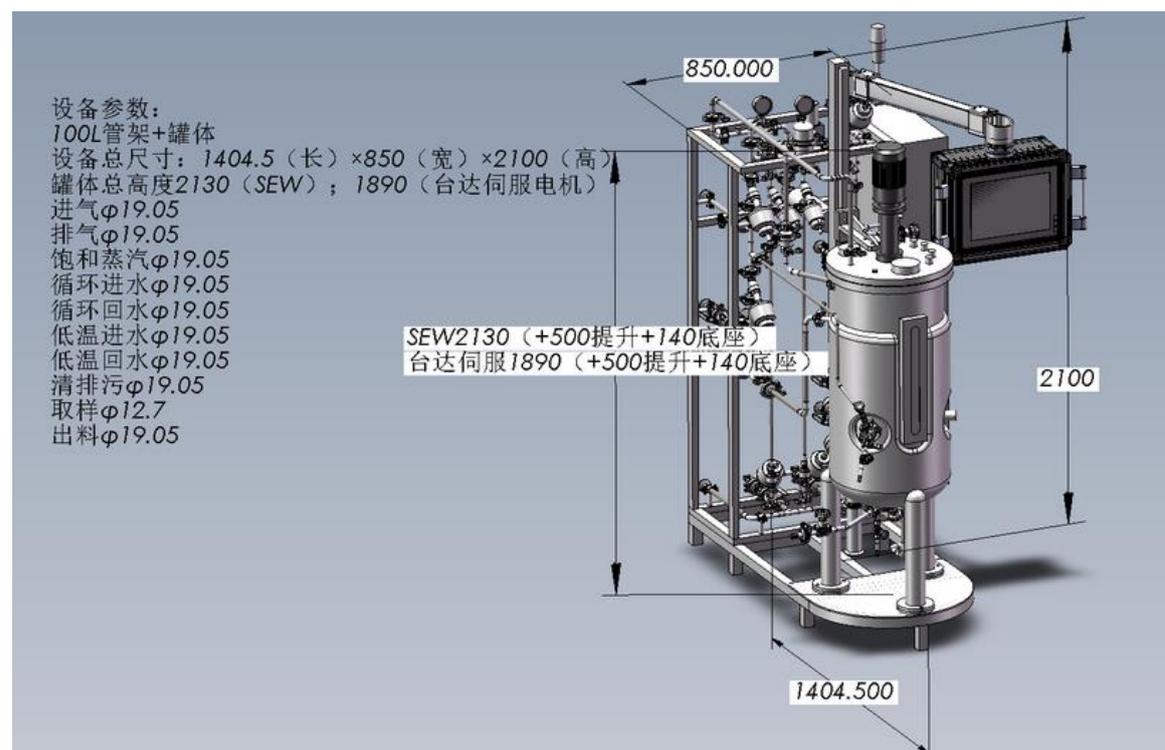
Volume: 50L



Equipment Configuration	50L Skid + Vessel
Overall Dimensions (L×W×H, mm)	1204.5×850×1980
Total Vessel Height	1910 (SEW); 1090 (Delta servo)
Air Inlet (Ø, mm)	19.05
Exhaust (Ø, mm)	19.05
Saturated Steam	19.05

(Ø, mm)	
Circulating Water Inlet (Ø, mm)	19.05
Chilled Water Inlet (Ø, mm)	19.05
Chilled Water Outlet (Ø, mm)	19.05
Drain / Waste (Ø, mm)	19.05
Sampling Port (Ø, mm)	12.7
Discharge Outlet (Ø, mm)	19.05

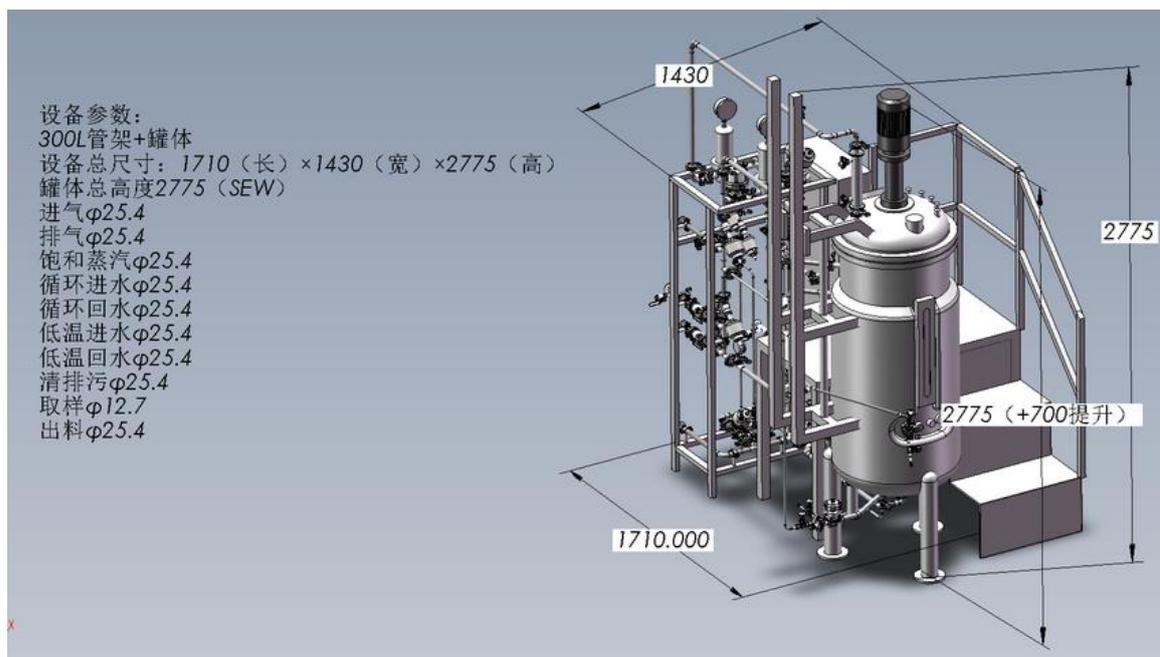
Volume: 100L-200L



Equipment Configuration	100L Skid + Vessel
Overall Dimensions (L×W×H, mm)	1404.5 × 850 × 2100
Total Vessel	2130 (SEW); 1890

Height	(Delta servo)
Air Inlet (Ø, mm)	19.05
Exhaust (Ø, mm)	19.05
Saturated Steam (Ø, mm)	19.05
Circulating Water Inlet (Ø, mm)	19.05
Chilled Water Inlet (Ø, mm)	19.05
Chilled Water Outlet (Ø, mm)	19.05
Drain / Waste (Ø, mm)	19.05
Sampling Port (Ø, mm)	12.7
Discharge Outlet (Ø, mm)	19.05

Volume: 300L

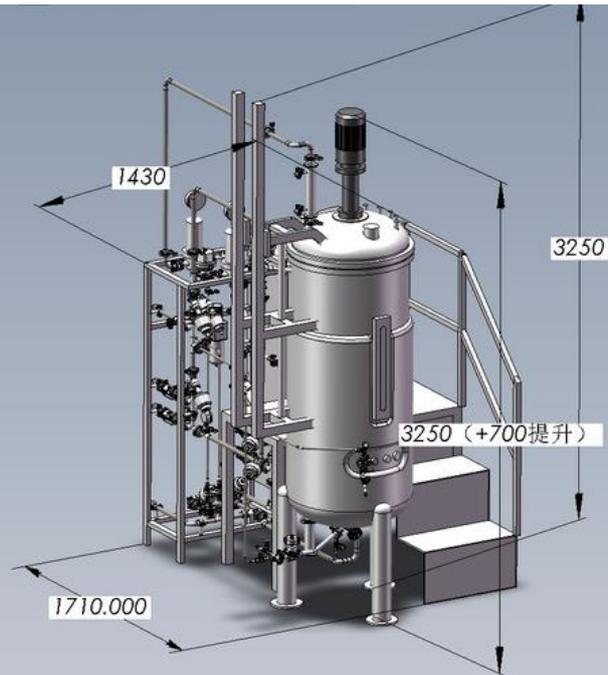


Equipment	300L Skid + Vessel
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Configuration	
Overall Dimensions (L×W×H, mm)	1710×1430×2775
Total Vessel Height	2775 (SEW)
Air Inlet (Ø, mm)	25.4
Exhaust (Ø, mm)	25.4
Saturated Steam (Ø, mm)	25.4
Circulating Water Inlet (Ø, mm)	25.4
Chilled Water Inlet (Ø, mm)	25.4
Chilled Water Outlet (Ø, mm)	25.4
Drain / Waste (Ø, mm)	25.4
Sampling Port (Ø, mm)	12.7
Discharge Outlet (Ø, mm)	25.4

Volume: 500L

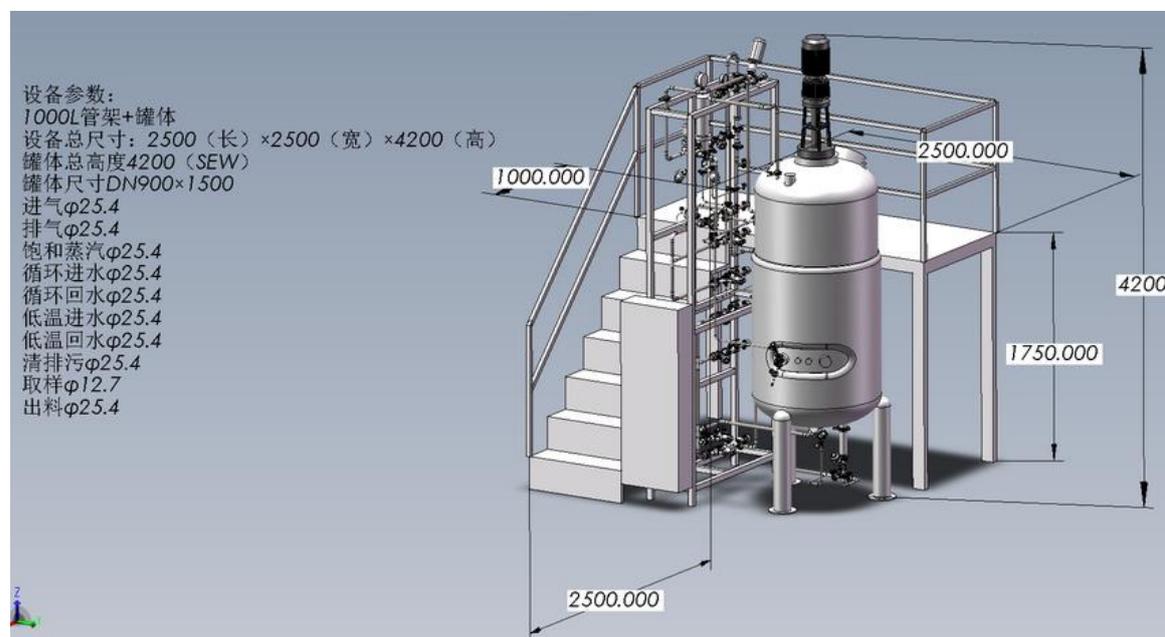
设备参数：
 500L管架+罐体
 设备总尺寸：1710（长）×1430（宽）×3250（高）
 罐体总高度3250（SEW）；
 进气φ25.4
 排气φ25.4
 饱和蒸汽φ25.4
 循环进水φ25.4
 循环回水φ25.4
 低温进水φ25.4
 低温回水φ25.4
 清排污φ25.4
 取样φ12.7
 出料φ25.4



Equipment Configuration	500L Skid + Vessel
Overall Dimensions (L×W×H, mm)	1710×1430×3250
Total Vessel Height	3250 (SEW)
Air Inlet (Ø, mm)	25.4
Exhaust (Ø, mm)	25.4
Saturated Steam (Ø, mm)	25.4
Circulating Water Inlet (Ø, mm)	25.4
Chilled Water Inlet (Ø, mm)	25.4
Chilled Water Outlet (Ø, mm)	25.4
Drain / Waste (Ø, mm)	25.4
Sampling Port (Ø, mm)	12.7
Discharge Outlet	25.4

(Ø, mm)	
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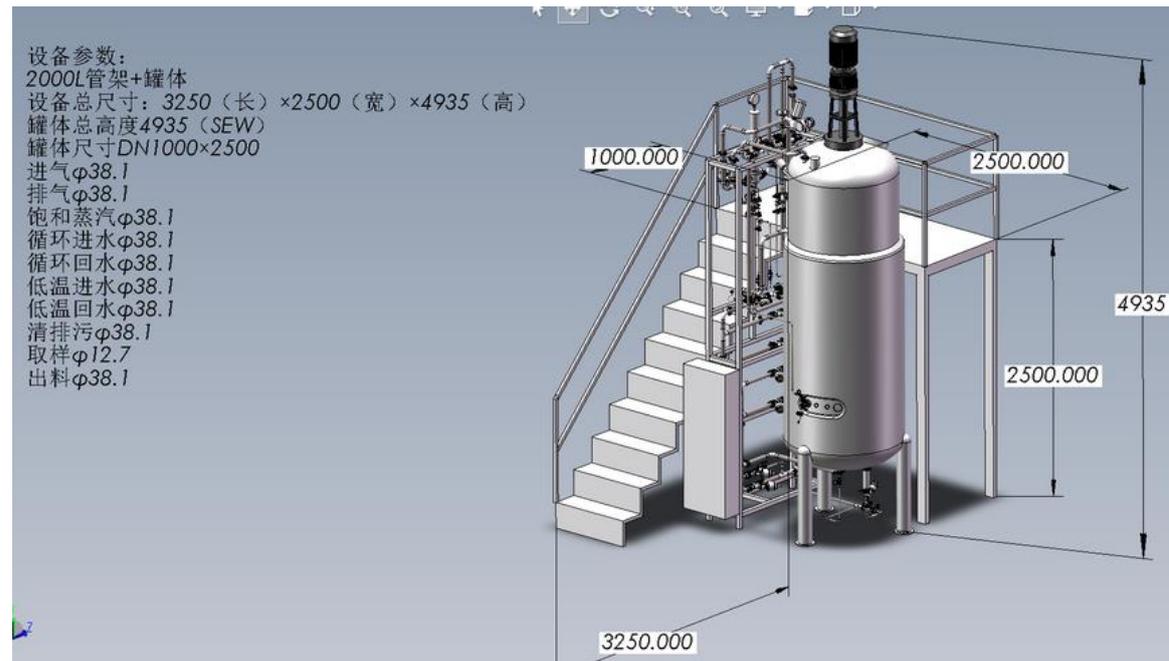
Volume: 1000L



Equipment Configuration	1000L Skid + Vessel
Overall Dimensions (L×W×H, mm)	2500×2500×4200
Total Vessel Height	4200 (SEW)
Air Inlet (Ø, mm)	25.4
Exhaust (Ø, mm)	25.4
Saturated Steam (Ø, mm)	25.4
Circulating Water Inlet (Ø, mm)	25.4
Chilled Water Inlet (Ø, mm)	25.4
Chilled Water Outlet (Ø, mm)	25.4
Drain / Waste	25.4

(Ø, mm)	
Sampling Port (Ø, mm)	12.7
Discharge Outlet (Ø, mm)	25.4

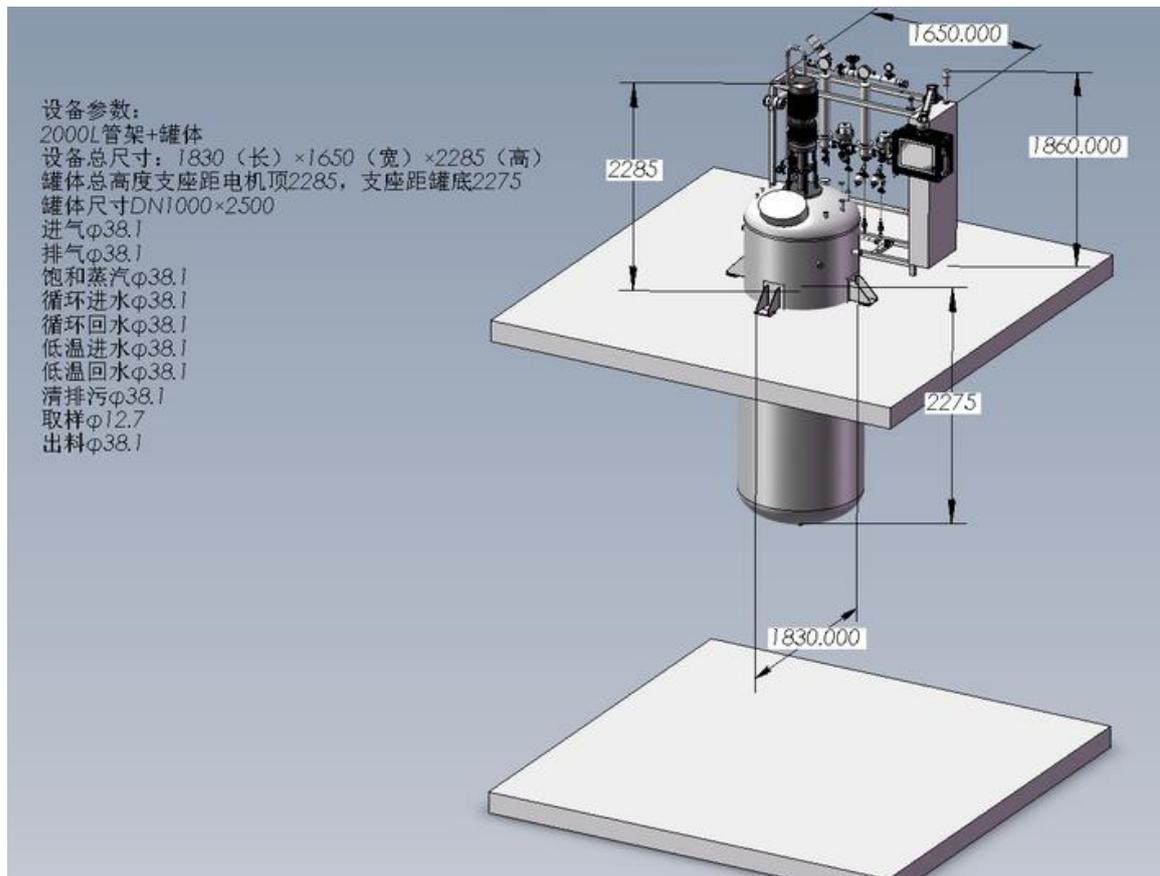
Volume: 2000L (Floor-mounted)



Equipment Configuration	2000L Skid + Vessel
Overall Dimensions (L×W×H, mm)	3250×2500×4935
Total Vessel Height	4935 (SEW)
Air Inlet (Ø, mm)	38.1
Exhaust (Ø, mm)	38.1
Saturated Steam (Ø, mm)	38.1
Circulating Water Inlet (Ø, mm)	38.1

Chilled Water Inlet (Ø, mm)	38.1
Chilled Water Outlet (Ø, mm)	38.1
Drain / Waste (Ø, mm)	38.1
Sampling Port (Ø, mm)	12.7
Discharge Outlet (Ø, mm)	38.1

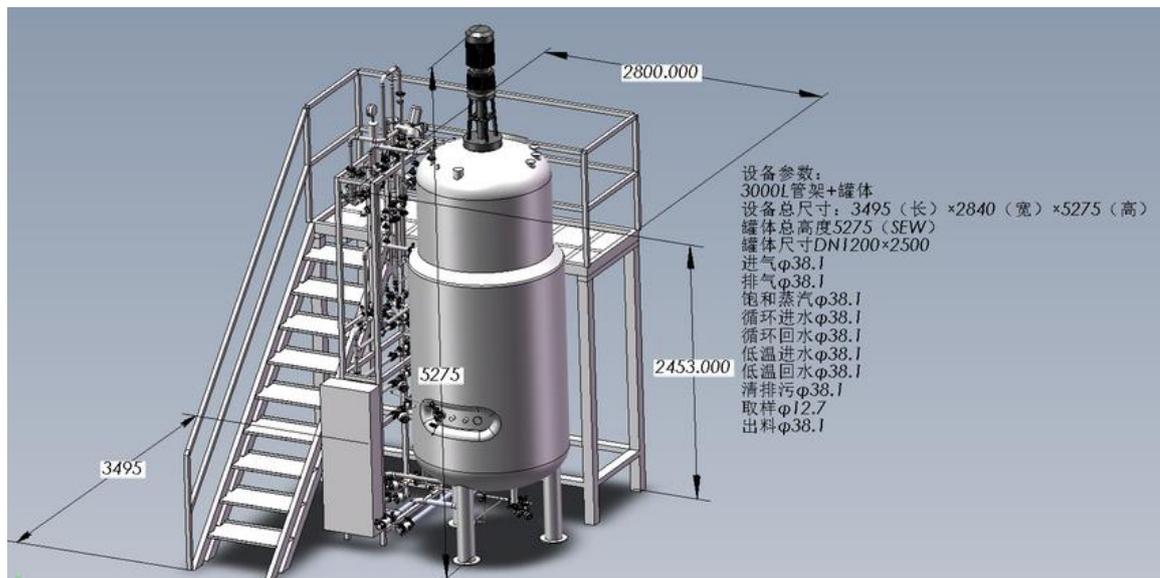
Volume: 2000L (Suspended)



Equipment Configuration	2000L Skid + Vessel
Overall Dimensions	1830×1650×2285

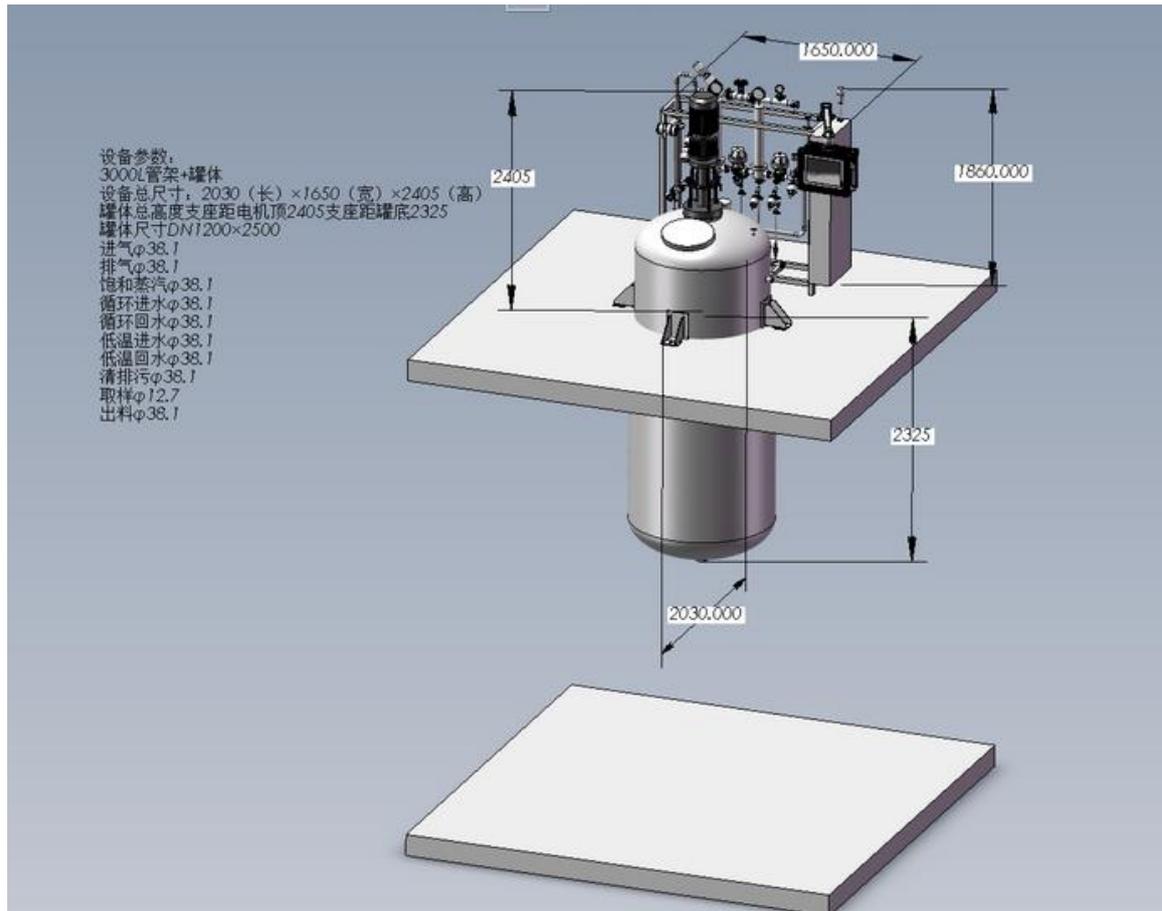
(L×W×H, mm)	
Total Vessel Height	Support to motor top: 2285; support to vessel bottom: 2275
Air Inlet (Ø, mm)	38.1
Exhaust (Ø, mm)	38.1
Saturated Steam (Ø, mm)	38.1
Circulating Water Inlet (Ø, mm)	38.1
Chilled Water Inlet (Ø, mm)	38.1
Chilled Water Outlet (Ø, mm)	38.1
Drain / Waste (Ø, mm)	38.1
Sampling Port (Ø, mm)	12.7
Discharge Outlet (Ø, mm)	38.1

Volume: 3000L (Floor-mounted)



Equipment Configuration	3000L Skid + Vessel
Overall Dimensions (L×W×H, mm)	3495×2840×5275
Total Vessel Height	5272 (SEW)
Air Inlet (Ø, mm)	38.1
Exhaust (Ø, mm)	38.1
Saturated Steam (Ø, mm)	38.1
Circulating Water Inlet (Ø, mm)	38.1
Chilled Water Inlet (Ø, mm)	38.1
Chilled Water Outlet (Ø, mm)	38.1
Drain / Waste (Ø, mm)	38.1
Sampling Port (Ø, mm)	12.7
Discharge Outlet (Ø, mm)	38.1

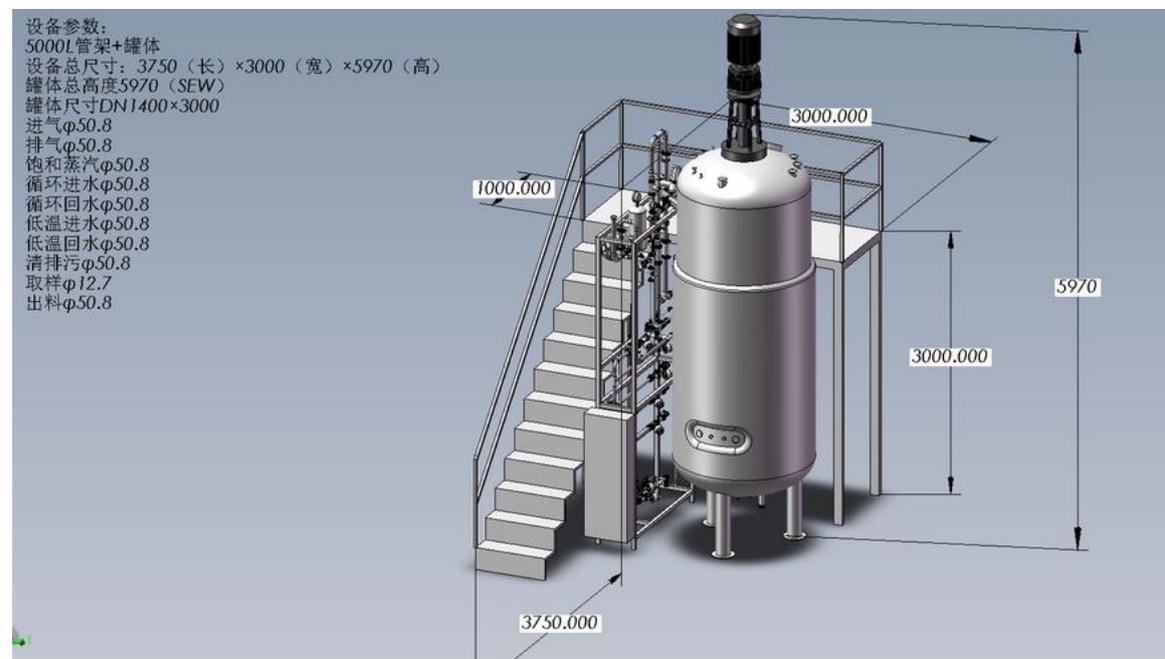
Volume: 3000L (Suspended)



Equipment Configuration	3000L Skid + Vessel
Overall Dimensions (L×W×H, mm)	2030×1650×2405
Total Vessel Height	Support to motor top: 2405; support to vessel bottom: 2325
Air Inlet (Ø, mm)	38.1
Exhaust (Ø, mm)	38.1
Saturated Steam (Ø, mm)	38.1
Circulating Water Inlet (Ø, mm)	38.1
Chilled Water Inlet (Ø, mm)	38.1
Chilled Water	38.1

Outlet (Ø, mm)	
Drain / Waste (Ø, mm)	38.1
Sampling Port (Ø, mm)	12.7
Discharge Outlet (Ø, mm)	38.1

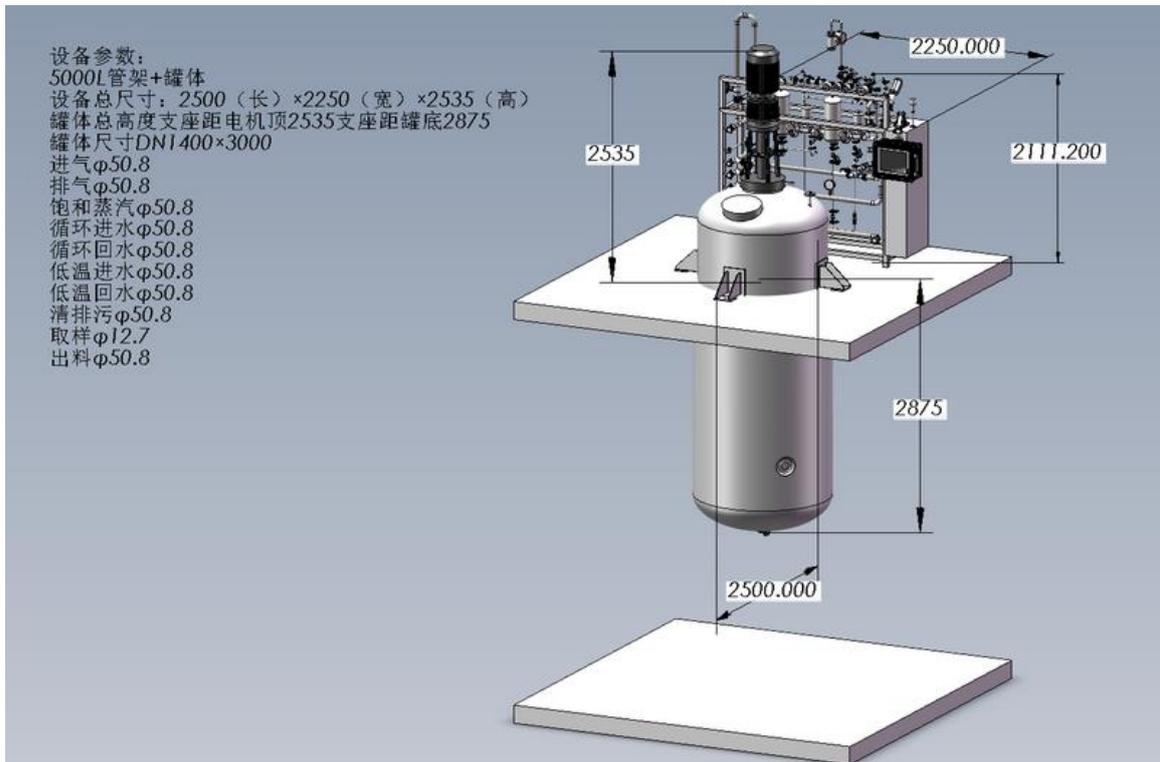
Volume: 5000L (Floor-mounted)



Equipment Configuration	5000L Skid + Vessel
Overall Dimensions (L×W×H, mm)	3750×3000×5970
Total Vessel Height	5970 (SEW)
Air Inlet (Ø, mm)	50.8
Exhaust (Ø, mm)	50.9
Saturated Steam (Ø, mm)	50.1

Circulating Water Inlet (Ø, mm)	50.11
Chilled Water Inlet (Ø, mm)	50.12
Chilled Water Outlet (Ø, mm)	50.13
Drain / Waste (Ø, mm)	50.14
Sampling Port (Ø, mm)	12.7
Discharge Outlet (Ø, mm)	50.16

Volume: 5000L (Suspended)



Equipment Configuration	5000L Skid + Vessel
Overall Dimensions	2500 × 2250 × 2535

(L×W×H, mm)	
Total Vessel Height	Support to motor top: 2535; support to vessel bottom: 2875
Air Inlet (Ø, mm)	50.8
Exhaust (Ø, mm)	50.9
Saturated Steam (Ø, mm)	50.1
Circulating Water Inlet (Ø, mm)	50.11
Chilled Water Inlet (Ø, mm)	50.12
Chilled Water Outlet (Ø, mm)	50.13
Drain / Waste (Ø, mm)	50.14
Sampling Port (Ø, mm)	12.7
Discharge Outlet (Ø, mm)	50.16