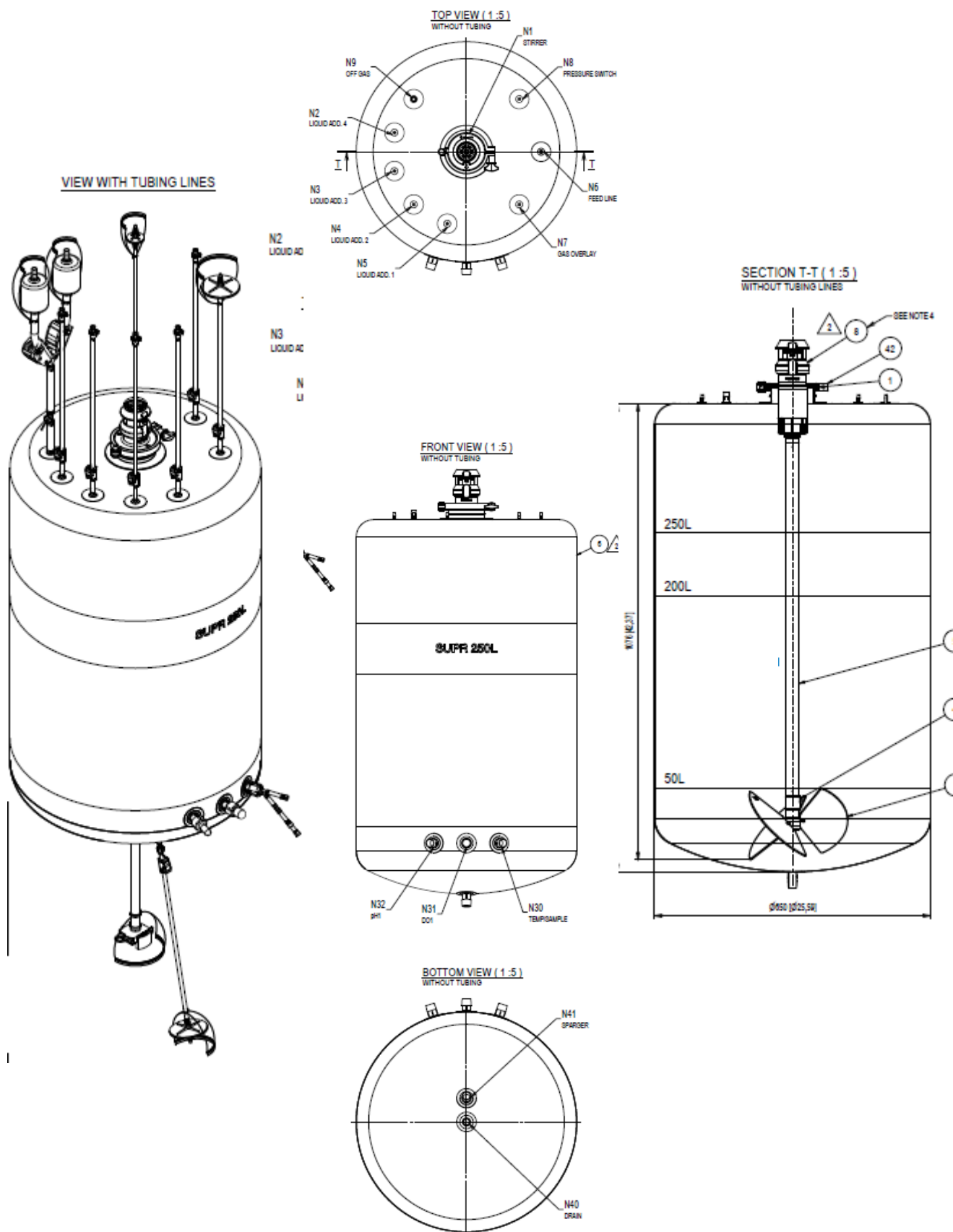




SUPR 250L

Single-use bioreactor for Cell Culture applications

Bag drawings:



Specifications

Physical characteristics	
Holder Dimensions	2008 x 740 x 717 mm
Weight	~200 kg
Bottom	Dished bottom
Total volume	356 L
Working volume	50-250L
H/D ratio total volume	1.7
H/D ratio at max WV	1.23
Impeller type	Marine
Impeller diameter	260 mm
Sparger type	Drilled hole sparger

Operating conditions	
Working temperature	5 – 60 °C
Storage temperature	-80 – 45 °C
Design pressure	50 mbarg recommended
kLa	9 h ⁻¹ (extrapolated from 50 L SUPR)
Mixing time	~5 seconds
Heating time	2.4 min / °C

Connections	Internal diameter	Material	Connector	Tubing length
Addition 1	6.4 mm (1/4"ID)	SANITECH STHT-C	CPC MPC	500 mm
Addition 2	6.4 mm (1/4"ID)	SANITECH STHT-C	CPC MPC	500 mm
Addition 3	6.4 mm (1/4"ID)	SANITECH STHT-C	CPC MPC	500 mm
Addition 4	6.4 mm (1/4"ID)	SANITECH STHT-C	CPC MPC	500 mm
Feed Line	6.4 mm (1/4"ID)	SANITECH STHT-C	CPC MPC	500 mm
Gas sparger	6.4 mm (1/4"ID)	SANITECH STHT-C	0.2 µm filter	500 mm
Gas overlay	6.4 mm (1/4"ID)	SANITECH STHT-C	0.2 µm filter	500 mm
Gas outlet	12.8 mm (1/2"ID)	SANITECH STHT-C	0.2 µm filter	450 mm
Pressure Switch	6.4 mm (1/4"ID)	SANITECH STHT-C	0.2 µm filter	500 mm
Ports	1 X Sample port + Temperature pocket			

Special

1 X Single Use Optical DO sensor InSUS 607 Mettler Toledo
1 X Single Use pH sensor InSUS 310 Mettler Toledo
1x Drain to Bottom port with CPC MPX 3/4" connector

Material specifications

Vessel (Bag)	LDPE/EVOH/PA
Impellor assembly	PA12/PVDF
Coating	Vapor polished
Tubing	STHT-C
Lipseal	FPM
End cap	Silicone
O-rings	Silicone
Sterilization	>25 kGy Gamma irradiation



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