



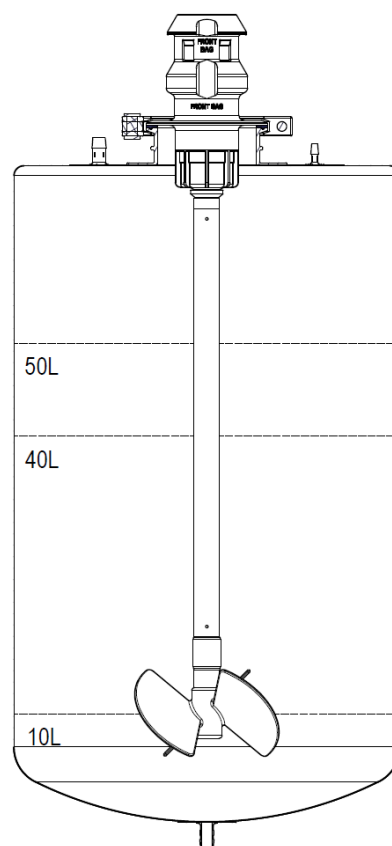
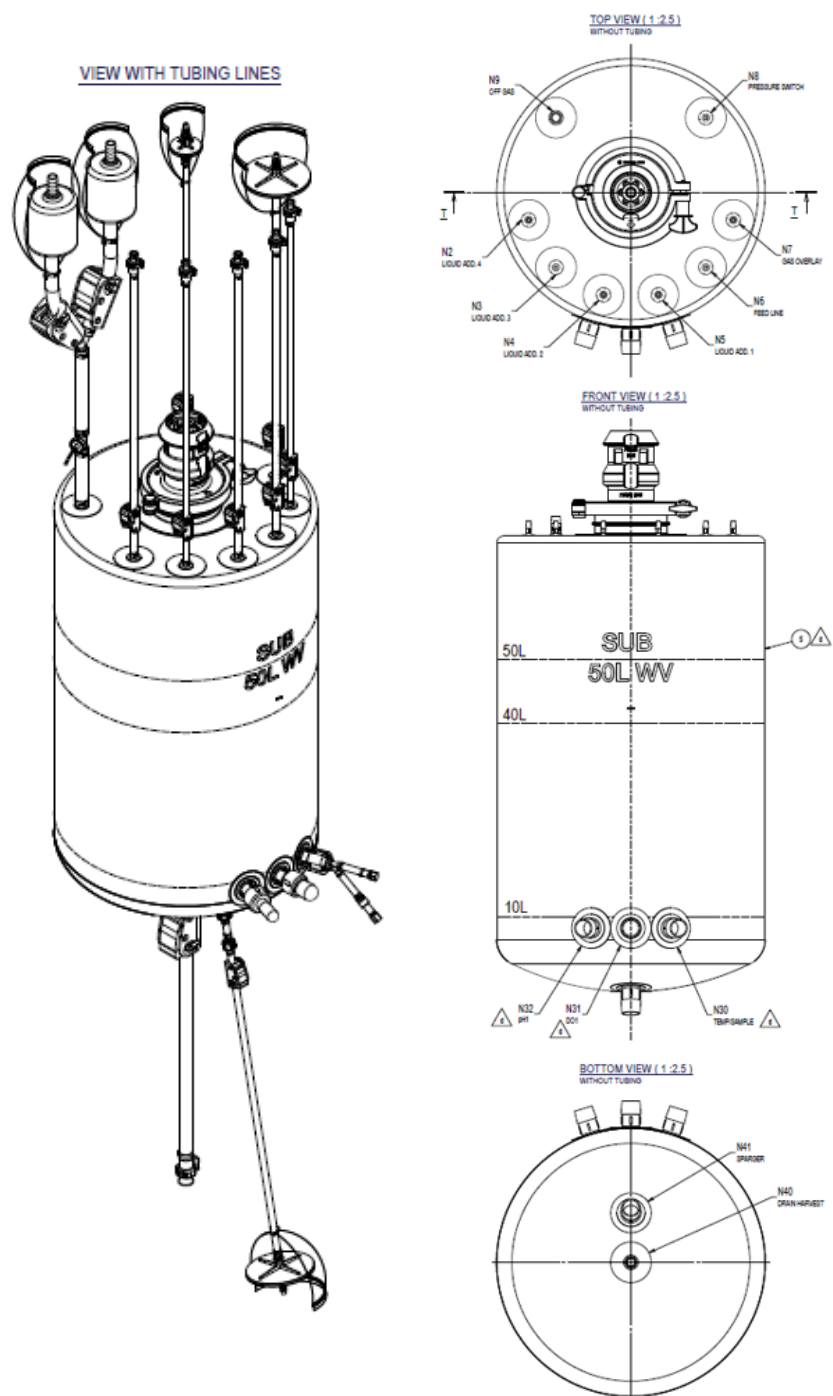
SUPR 50L

Single-use bioreactor for Cell Culture applications

Data Sheet

Product: SUPR 50L

Bag drawings:



Specifications

Physical characteristics	
Holder Dimensions	1748 x 484 x 596 mm
Weight	99 kg (1 bioreactor holder)
Bottom	Dished bottom
Total volume	71 L
Working volume	10-50L
H/D ratio total volume	1.7
H/D ratio at max WV	1.24
Impeller type	Marine
Impeller diameter	152 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 (gassing: 0.1 VVM, agitation: 1 m/s (120 rpm) and 37 °C)
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 1 X Single Use Optical DO sensor InSUS 607 Mettler Toledo			

Special	1 X Single Use pH sensor InSUS 310 Mettler Toledo 1x Drain to Bottom port with CPC MPX 3/4" connector			
Connections	Internal diameter	Material	Connector	Tubing length
Addition 1	6.4 mm (1/4"ID)	E8402	CPC MPC	500 mm
Addition 2	6.4 mm (1/4"ID)	E8402	CPC MPC	500 mm
Addition 3	6.4 mm (1/4"ID)	E8402	CPC MPC	500 mm
Addition 4	6.4 mm (1/4"ID)	E8402	CPC MPC	500 mm
Feed Line	6.4 mm (1/4"ID)	E8402	CPC MPC	500 mm
Gas sparger	6.4 mm (1/4"ID)	E8402	0.2 µm filter (D=90mm)	500 mm
Gas overlay	6.4 mm (1/4"ID)	E8402	0.2 µm filter (D=90mm)	500 mm
Gas outlet	12.8 mm (1/2"ID)	E8402	SKV (SKVUE020S4H4HN)	450 mm
Pressure Switch	6.4 mm (1/4"ID)	E8402	Connector Kleenpak Presto SC 1/4" HB	500 mm
Ports	1 X Sample port + Temperature pocket 1 X Single Use Optical DO sensor InSUS 607 Mettler Toledo 1 X Single Use pH sensor InSUS 310 Mettler Toledo			
Special	1x Drain to Bottom port with CPC MPX 1/2" 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



Getinge is a global provider of innovative solutions for operating rooms, intensive care units, sterilization departments and for life science companies and institutions. Based on our firsthand experience and close partnerships with clinical experts, healthcare professionals and medtech specialists, we are improving everyday life for people – today and tomorrow.

Contact • Getinge Applikon • Heertjeslaan 2 • 2629 JG Delft • The Netherlands • Phone: +31(0)10 2083555 • Email: info.applikon@getinge.com

www.getinge.com