

DASbox® Mini Bioreactor for Microbiology

Technical data

Model	Order no.	76SR02500DLS
	Application	Microbiology
	Standard set-up	DASbox
Bioreactor	Sterilization	Autoclavable
	Working volume (total)	60* – 250 mL (350 mL)
	Material vessels	Glass
	Head plate	Stainless steel, GLS 80® screw cap
	Head plate ports	6x Pg 13.5, 2x dip tube long, 2x dip tube short, 1x thermowell
Agitation	Autoclave dimensions (HxWxD)	360 mm x 90 mm x 90 mm
	Drive	Direct overhead drive
	Impellers	2x Rushton-type
	Recommended agitation speed	20 – 2500 rpm
Gassing	Gas supply	Sparger
Monitoring & control	Sensor size	120 mm
	T sensor	Pt100 RTD
	Exhaust condensation	Liquid-free (Peltier)

*with Hamilton pH sensor (order no. 78103205)



DASbox Mini Bioreactor

Description

The DASbox Mini Bioreactor is an industry-standard autoclavable glass vessel featuring a multi port stainless steel head plate and a powerful direct overhead drive. With working volumes of 60 – 250 mL it is perfectly suited for process development in cell culture and microbial applications and ready for use with the Eppendorf DASbox.

Product Features

- > Industry standard design for excellent scalability and reproducibility in both cell culture and microbiology
- > Stainless steel head plate, fully instrumented with standard sensors for precise measurement and control of temperature, pH, DO and level
- > Liquid-free exhaust condenser with easy handling by automatic slide-in activation and slide-out deactivation mode

Contents of vessel kit

Quantity	Order no.	Description	Quantity	Order no.	Description
1	78903227	DASGIP® Vessel , GLS 80®, flat bottom, OD 70 x H 123 mm			
1	78107301	Stainless Steel Head Plate OD 77 , with 6x Pg 13.5, 4x D4, 1x thermowell			
1	78903226	Screw Cap for OD 80 mm neck , PBT, with hole ID 73mm, without gasket			
1	78201138	O-Ring , VMQ 70/Si 820, 68x3 (IDxd)			
1	78532282	DASGIP® Compression Fitting , all parts included, ID 4 mm with Pg 13.5 male thread	1	*	DASGIP® Compression Fitting , stainless steel parts only, ID 4 mm with Pg 13.5 male thread
			1	78706351	Front Ferrule , PFA, for OD 4 mm DASGIP® compression fitting
			1	78706352	Back Ferrule , PFA, for OD 4 mm DASGIP® compression fitting
			1	78706406	O-Ring , VMQ 70/Si 820, red, 14x2 (IDxd)
			1	78706417	O-Ring , VMQ 70/Si 820, red, 4x1.5 (IDxd)
1	78525123	DASGIP® Lipseal Stirrer Assembly , Pg 13.5 seat, stirrer shaft d 5 mm x Li 112 mm			
2	78107304	6-Blade Rushton-Type Impeller , stainless steel, OD 30 mm, ID 5 mm			
1	77102052	L-Sparger for DASGIP® Culture Vessel , stainless steel, complete, D4, L 180 mm, W 40 mm	1	*	L-Sparger for DASGIP® Culture Vessel , stainless steel, barb, D4, L 180 mm
			1	78706348	Slotted Screw , stainless steel, M3x4
1	78510145	DASGIP® Sampling Accessory , with swabable valve for vessels type BS/DS/SR/DR			
1	78200119	Tubing clamp (Mohr) , nickel plated brass, L 50 mm			
3	78532036	Liquid Feed Connector Assembly			
1	77102006	DASGIP® Septum Holder , stainless steel, with septum, Pg 13.5 male, ID 12 mm	1	78106309	Silicone Rubber Septum , Pg 13.5, OD 18 mm/ID 12 mm
			1	78706409	DASGIP® Fitting , stainless steel, with Pg 13.5 male thread, ID 12 mm port
1	78532034	Filter Assembly , type 'Gas In'	1	78100156	Gas In- and Outlet Filter , 0.2 µm pore size, for tubes with OD 4 mm or ID 7 mm
			1	*	Cable Ties , 2.5 x 92 mm
			5	78105216	Silicone Tubing , ID 4 mm, OD 8 mm, W 2 mm
1	78704149	Hex Wrench , with ball shaped head, size 1.5 mm			

Accessories

1	78532035	Filter Assembly , type 'Gas Out'
1	78532284	DASGIP® Compression Fitting , all parts included, ID 12 mm with Pg 13.5 male thread
1	78201323	Exhaust Condenser Adaptor , incl. insulation, for DASbox® Mini Bioreactor
1	78201321	Actuator Unit for Peltier Exhaust Condenser , incl. cable L 1.6 m
1	78532344	Maintenance Kit , for DASbox® vessel, 0.25 L
1	78532337	Maintenance/spare parts kit DASGIP lipseal stirrer assembly Pg 13.5

* Not for individual sale.

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DASbox® Mini Bioreactor for Cell Culture

Technical data

Model	Order no.	76DS02500DSS
	Application	Cell culture
	Standard set-up	DASbox
Bioreactor	Sterilization	Autoclavable
	Working volume (total)	60* – 250 mL (350 mL)
	Material vessels	Glass
	Head plate	Stainless steel, GLS 80® screw cap
	Head plate ports	6x Pg 13.5, 2x dip tube long, 2x dip tube short, 1x thermowell
Agitation	Autoclave dimensions (HxWxD)	360 mm x 90 mm x 90 mm
	Drive	Direct overhead drive
	Impellers	1x marine
	Recommended agitation speed	20 – 2500 rpm
	Gas supply	Overlay and/or sparger
Gassing	Gas supply	Overlay and/or sparger
Monitoring & control	Sensor size	120 mm
	T sensor	Pt100 RTD
	Exhaust condensation	Liquid-free (Peltier)

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1	78525123	DASGIP® Lipseal Stirrer Assembly , Pg 13.5 seat, stirrer shaft d 5 mm x Li 112 mm			
1	78107325	3-Blade Impeller , 30° pitch, stainless steel, OD 30 mm, ID 5 mm, marine impeller			
1	78107326	Stainless Steel Pipe , with barb, OD 4 mm/ID 2 mm, L 180 mm,			
1	78510145	DASGIP® Sampling Accessory , with swabable valve for vessels type BS/DS/SR/DR			
1	78200119	Tubing clamp (Mohr) , nickel plated brass, L 50 mm			
3	78532036	Liquid Feed Connector Assembly			
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