

# DASGIP® Benchtop Bioreactor for Cell Culture: 2.5 L Vessel

## Technical data

<b>Model</b>	<b>Order no.</b>	<b>76DR03C</b>
	Application	Cell culture
	Standard set-up	Benchtop
<b>Bioreactor</b>	Sterilization	Autoclavable
	Working volume (total)	750 mL – 2.7 L (3.1 L)
	Material vessels	Glass
	Head plate	Stainless steel
	Head plate ports	1x M30, 8x M18x1.5, 8x D6
	Autoclave dimensions (HxWxD)	580 mm x 190 mm x 190 mm
<b>Agitation</b>	Drive	Direct overhead drive
	Impellers	2x pitched blade
	Recommended agitation speed	30 – 1.250 rpm
<b>Gassing</b>	Gas supply	Overlay and/or sparger
<b>Monitoring &amp; control</b>	Sensor size	220 mm
	T sensor	Pt100 RTD
	Exhaust condensation	Water-cooled



## DASGIP Benchtop Bioreactors (2.5 L and 3.5 L vessels)

### Description

DASGIP Benchtop Bioreactors feature an autoclavable glass body and a stainless steel head plate. 16 industry-standard ports, direct overhead drives and pitched-blade impellers ensure optimal conditions for advanced cell culture research and process development. All parts are laser-labelled with part numbers and have certificates of origin available.

### Product Features

- > Working volumes of 750 mL – 2.7 L and 850 mL – 3.8 L
- > Direct overhead drives with 30 – 1250 rpm (100 – 1600 rpm optional), pitched-blade impellers
- > Industry-standard sensors available for precise monitoring and control of temperature, pH, DO, level and OD

## Contents of vessel kit

Quantity	Order no.	Description	Quantity	Order no.	Description
1	77102011	DASGIP® Bioreactor, single wall vessel dished bottom, 17 port headplate (DR), 3 L	1	78903210	DASGIP® Plane Flange OD 160 Vessel, dished bottom, OD 140 x H 260 mm (DR03)
			1	78107249	Stainless Steel Head Plate OD 190, with 1x M30, 8x M18, 8x D6
			0,5	78106319	Silicone U Profile, gray (RAL 7037), for DASGIP bioreactor type DR
			3	78107259	Stainless Steel Rod, with M6 male threads for DASGIP® bioreactor type DR03, L 290 mm
			1	78107284	Stainless Steel Ring, for DASGIP® bioreactor type DR, top ring
			1	78107285	Stainless Steel Ring, for DASGIP® bioreactor type DR, bottom ring
			6	78107261	DASGIP® Bioreactor Knurled Nut, M6
			3	78704164	Circlip (Seeger Ring), DIN 471, stainless steel (V2A), ID 6 x 0.7 mm
			3	78706340	Rounded Head Screw, M6x35, stainless steel, hexagon socket (ISO 7380)
			1	78706460	O-Ring, VMQ 70/Si 820, red, 135x4 (IDxd)
			1	78706478	O-Ring, NBR 70/P583, black, 166.75x2 (IDxd)
2	77102016	DASGIP® Adaptor, Pg 13.5 female thread to M18x1.5 male thread	1	78107257	DASGIP® Adaptor, stainless steel parts only, M18x1.5 male thread to Pg 13.5 female thread
			1	78706458	O-Ring, VMQ 70/Si 820, red, 20x2 (IDxd)
1	77102017	DASGIP® Blind Plug, stainless steel, all parts included, M18x1.5 male thread	1	*	DASGIP® Blind Plug, only stainless steel parts, M18x1.5 male thread
			1	78706458	O-Ring, VMQ 70/Si 820, red, 20x2 (IDxd)

**Content of vessel kit (continued)**

Quantity	Order no.	Description	Quantity	Order no.	Description
6	77102020	<b>DASGIP® Blind Plug</b> , stainless steel, all parts included, M6 male thread	1	*	<b>Blind Plug</b> , for DASGIP head plate, M6
			1	78706407	<b>O-Ring</b> , VMQ 70/Si 820, red, 6x2 (IDxd)
			1	78706171	<b>Nut</b> , M6, 316L stainless steel, electro-polished
			1	78706135	<b>Washer</b> , M6, stainless steel
1	78532279	<b>DASGIP® Compression Fitting</b> , all parts included, ID 4 mm with M18x1.5 male thread	1	*	<b>DASGIP® Compression Fitting</b> , stainless steel parts only, ID 4 mm with M18x1.5 male thread
			1	78706417	<b>O-Ring</b> , VMQ 70/Si 820, red, 4x1.5 (IDxd)
			1	78706351	<b>Front Ferrule</b> , PFA, for OD 4 mm DASGIP® compression fitting
			1	78706352	<b>Back Ferrule</b> , PFA, for OD 4 mm DASGIP® compression fitting
			1	78706458	<b>O-Ring</b> , VMQ 70/Si 820, red, 20x2 (IDxd)
2	78532280	<b>DASGIP® Compression Fitting</b> , all parts included, ID 6 mm with M18x1.5 male thread	1	*	<b>DASGIP® Compression Fitting</b> , stainless steel parts only, ID 6 mm with M18x1.5 male thread
			1	78706416	<b>O-Ring</b> , VMQ 70/Si 820, red, 6x1.5 (IDxd)
			1	78706353	<b>Front Ferrule</b> , PFA, for OD 6 mm DASGIP® compression fitting
			1	78706354	<b>Back Ferrule</b> , PFA, for OD 6 mm DASGIP® compression fitting
1	78706458	<b>O-Ring</b> , VMQ 70/Si 820, red, 20x2 (IDxd)			
1	78525119	<b>DASGIP® Lipseal Stirrer Assembly</b> , with M30x1 seat, stirrer shaft d 8 mm x Li 245 mm			
2	78532236	<b>3-Blade Impeller</b> , 30° pitch, stainless steel, OD 50 mm, ID 8 mm			
1	78107146	<b>Stainless Steel Pipe</b> , with barb, OD 4 mm/ID 2 mm, L 320 mm			
1	78107379	<b>Harvest Tube</b> , stainless steel, D6, L 320 mm, for DASGIP® culture vessel DR03			
1	77102029	<b>Thermowell</b> , M6, stainless steel, L 275 mm, ID 2 mm, Li 238 mm, complete	1	*	<b>Thermowell</b> , M6, stainless steel, L 275 mm, ID 2 mm, Li 238 mm
			1	78706135	<b>Washer</b> , M6, stainless steel
			1	78706171	<b>Nut</b> , M6, 316L stainless steel, electro-polished
			1	78706407	<b>O-Ring</b> , VMQ 70/Si 820, red, 6x2 (IDxd)
1	77102022	<b>L-Sparger for DASGIP® Culture Vessel</b> , stainless steel, complete, D6, L 300 mm, W 63 mm	1	*	<b>L-Sparger for DASGIP® Culture Vessel</b> , stainless steel, barb, D6, L 300 mm, W 63 mm
			1	78706255	<b>Slotted Screw</b> , stainless steel, M5x5, used with DASGIP® L-sparger
1	78510145	<b>DASGIP® Sampling Accessory</b> , with swabable valve for vessels type BS/DS/SR/DR			
1	78200119	<b>Tubing Clamp (Mohr)</b> , nickel-plated brass, L 50 mm			
1	77102018	<b>DASGIP® Triple Port</b> , with 3x OD 4 mm tubing, with M18x1.5 male thread, all parts included	1	*	<b>DASGIP® Triple Port</b> , with 3x OD 4 mm tubing, with M18x1.5 male thread, stainless steel parts
			1	78706458	<b>O-Ring</b> , VMQ 70/Si 820, red, 20x2 (IDxd)
			6	78706415	<b>O-Ring</b> , VMQ 70/Si 973, red, 4x1 (IDxd)
3	78532036	<b>Liquid Feed Connector Assembly</b> , for stainless-steel pipe OD 4 mm, complete			
1	78532039	<b>Liquid Feed Connector Assembly</b> , for stainless-steel pipe OD 6 mm, complete			
1	77102019	<b>DASGIP® Septum Holder</b> , stainless steel, with septum, M18x1.5 male, ID 12 mm	1	78107257	<b>DASGIP® Adaptor</b> , stainless steel parts only, M18x1.5 male thread to Pg 13.5 female thread
			1	78706458	<b>O-Ring</b> , VMQ 70/Si 820, red, 20x2 (IDxd)
			1	78106309	<b>Silicone Rubber Septum</b> , Pg 13.5, OD 18 mm/ID 12 mm
			1	78706409	<b>DASGIP® Fitting</b> , stainless steel, with Pg 13.5 male thread, ID 12 mm port
1	78532034	<b>Filter Assembly</b> , type 'Gas In'	1	78100156	<b>Gas In- and Outlet Filter</b> , 0.2 µm pore size, for tubes with OD 4 mm or ID 7 mm
			1	*	<b>Cable Ties</b> , 2.5 x 92 mm
			5	78105216	<b>Silicone Tubing</b> , ID 4 mm, OD 8 mm, W 2 mm
1	78704133	<b>Hex Wrench</b> , with ball shaped head, size 2 mm			

**Accessories**

1	77102050	<b>Condenser</b> , for DASGIP® culture vessel, complete, OD 30 mm
1	78532281	<b>DASGIP® Compression Fitting</b> , all parts included, ID 12 mm with M18x1.5 male thread
1	77102020	<b>DASGIP® Blind Plug</b> , stainless steel, all parts included, M6 male thread
1	78532037	<b>Filter Capsule Assembly</b> , type 'Gas Out'
1	78532346	<b>Maintenance Kit</b> , for benchtop vessel 2.5 L/3.5 L

\* Not for individual sale.

Your local distributor: [www.eppendorf.com/contact](http://www.eppendorf.com/contact)  
 Eppendorf AG · Barkhausenweg 1 · 22331 Hamburg · Germany  
[eppendorf@eppendorf.com](mailto:eppendorf@eppendorf.com) · [www.eppendorf.com](http://www.eppendorf.com)

[www.eppendorf.com](http://www.eppendorf.com)

Eppendorf® and the Eppendorf Brand Design are registered trademarks of Eppendorf AG, Germany. DASGIP® is a registered trademark of DASGIP Information and Process Technology GmbH, Germany. All rights reserved, including graphics and images. Copyright © 2018 by Eppendorf AG.