

DASGIP® Benchtop Bioreactor for Cell Culture: 2.5 L Vessel

Technical data

| | | |
|-----------------------------|---------------------------------|---------------------------|
| Model | Order no. | 76DR03C |
| | Application | Cell culture |
| | Standard set-up | Benchtop |
| Bioreactor | 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 |
| | Agitation | Drive |
| Impellers | | 2x pitched blade |
| Recommended agitation speed | | 30 – 1.250 rpm |
| Gassing | | Gas supply |
| | Monitoring & control | Sensor size |
| 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 | DASGIP® Blind Plug , stainless steel, all parts included, M6 male thread | 1 | * | Blind Plug , for DASGIP head plate, M6 |
| | | | 1 | 78706407 | O-Ring , VMQ 70/Si 820, red, 6x2 (IDxd) |
| | | | 1 | 78706171 | Nut , M6, 316L stainless steel, electro-polished |
| | | | 1 | 78706135 | Washer , M6, stainless steel |
| 1 | 78532279 | DASGIP® Compression Fitting , all parts included, ID 4 mm with M18x1.5 male thread | 1 | * | DASGIP® Compression Fitting , stainless steel parts only, ID 4 mm with M18x1.5 male thread |
| | | | 1 | 78706417 | O-Ring , VMQ 70/Si 820, red, 4x1.5 (IDxd) |
| | | | 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 | 78706458 | O-Ring , VMQ 70/Si 820, red, 20x2 (IDxd) |
| 2 | 78532280 | DASGIP® Compression Fitting , all parts included, ID 6 mm with M18x1.5 male thread | 1 | * | DASGIP® Compression Fitting , stainless steel parts only, ID 6 mm with M18x1.5 male thread |
| | | | 1 | 78706416 | O-Ring , VMQ 70/Si 820, red, 6x1.5 (IDxd) |
| | | | 1 | 78706353 | Front Ferrule , PFA, for OD 6 mm DASGIP® compression fitting |
| | | | 1 | 78706354 | Back Ferrule , PFA, for OD 6 mm DASGIP® compression fitting |
| 1 | 78706458 | O-Ring , VMQ 70/Si 820, red, 20x2 (IDxd) | | | |
| 1 | 78525119 | DASGIP® Lipseal Stirrer Assembly , with M30x1 seat, stirrer shaft d 8 mm x Li 245 mm | | | |
| 2 | 78532236 | 3-Blade Impeller , 30° pitch, stainless steel, OD 50 mm, ID 8 mm | | | |
| 1 | 78107146 | Stainless Steel Pipe , with barb, OD 4 mm/ID 2 mm, L 320 mm | | | |
| 1 | 78107379 | Harvest Tube , stainless steel, D6, L 320 mm, for DASGIP® culture vessel DR03 | | | |
| 1 | 77102029 | Thermowell , M6, stainless steel, L 275 mm, ID 2 mm, Li 238 mm, complete | 1 | * | Thermowell , M6, stainless steel, L 275 mm, ID 2 mm, Li 238 mm |
| | | | 1 | 78706135 | Washer , M6, stainless steel |
| | | | 1 | 78706171 | Nut , M6, 316L stainless steel, electro-polished |
| | | | 1 | 78706407 | O-Ring , VMQ 70/Si 820, red, 6x2 (IDxd) |
| 1 | 77102022 | L-Sparger for DASGIP® Culture Vessel , stainless steel, complete, D6, L 300 mm, W 63 mm | 1 | * | L-Sparger for DASGIP® Culture Vessel , stainless steel, barb, D6, L 300 mm, W 63 mm |
| | | | 1 | 78706255 | Slotted Screw , stainless steel, M5x5, used with DASGIP® L-sparger |
| 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 | | | |
| 1 | 77102018 | DASGIP® Triple Port , with 3x OD 4 mm tubing, with M18x1.5 male thread, all parts included | 1 | * | DASGIP® Triple Port , with 3x OD 4 mm tubing, with M18x1.5 male thread, stainless steel parts |
| | | | 1 | 78706458 | O-Ring , VMQ 70/Si 820, red, 20x2 (IDxd) |
| | | | 6 | 78706415 | O-Ring , VMQ 70/Si 973, red, 4x1 (IDxd) |
| 3 | 78532036 | Liquid Feed Connector Assembly , for stainless-steel pipe OD 4 mm, complete | | | |
| 1 | 78532039 | Liquid Feed Connector Assembly , for stainless-steel pipe OD 6 mm, complete | | | |
| 1 | 77102019 | DASGIP® Septum Holder , stainless steel, with septum, M18x1.5 male, ID 12 mm | 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 | 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 | 78704133 | Hex Wrench , with ball shaped head, size 2 mm | | | |

Accessories

| | | |
|---|----------|---|
| 1 | 77102050 | Condenser , for DASGIP® culture vessel, complete, OD 30 mm |
| 1 | 78532281 | DASGIP® Compression Fitting , all parts included, ID 12 mm with M18x1.5 male thread |
| 1 | 77102020 | DASGIP® Blind Plug , stainless steel, all parts included, M6 male thread |
| 1 | 78532037 | Filter Capsule Assembly , type 'Gas Out' |
| 1 | 78532346 | Maintenance Kit , for benchtop vessel 2.5 L/3.5 L |
| 1 | 78532319 | Maintenance/spare parts kit DASGIP lipseal stirrer assembly M30 |
| 1 | 78532341 | Maintenance/spare parts kit DASGIP lipseal stirrer assembly M30 for Applikon Vessels |

* Not for individual sale.

Your local distributor: www.eppendorf.com/contact

Eppendorf AG · Barkhausenweg 1 · 22331 Hamburg · Germany
eppendorf@eppendorf.com · www.eppendorf.com

www.eppendorf.com