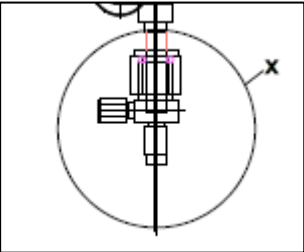
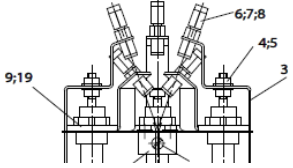
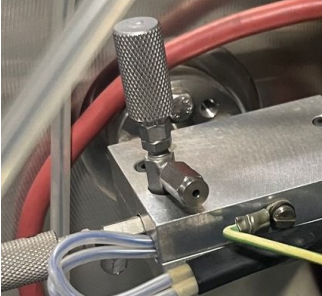


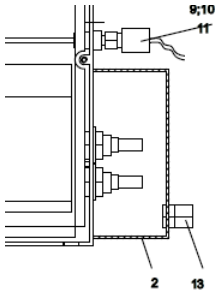

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Details of spare parts required for Gas Bench


Ferrules

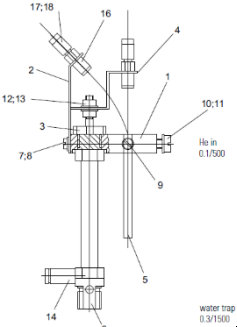
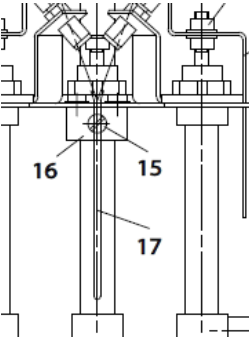
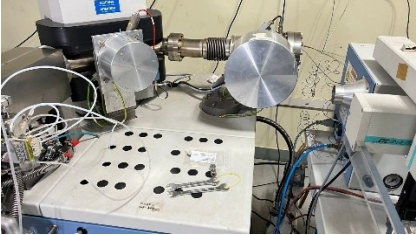
Junction Type	Places	Ferrule Type	Part Number	Contact Person
	E.g. Water removal	ferrule, 1/16" GVF/005	SGE-P/N 072654 <i>or</i> CRS P/N 215105 <i>or</i> ThermoFisher P/N 0566390	See Page 6
	E.g. Reference open split	Ferrule, 1/16", GVF/003	Thermo Fisher P/N 1004850 <i>or</i> SGE P/N 072659	See Page 6
	The connection b/w MAT253 and Gas Bench	Ferrule 1/16" GVF2/003 <i>or</i> Ferrule 1/16" GVF2/003-004 <i>(to be used only if GVF2/003 is not available)</i>	Thermo Fisher P/N 1060170 <i>or</i> SGE P/N 0726641 <i>or</i> CRS P/N 215134 <i>(to be used only if above is N/A)</i>	See Page 6

Junction Type	Places	Ferrule Type	Part Number	Contact Person
	<p>E.g. the junction between 0.32 mm fused silica capillary and GC oven</p>	<p>Seal ferrule, Valco, VICI FS1.5</p>	<p>ThermoFisher P/N 9000342</p>	<p>See Page 6</p>
	<p>Valco 6-port/8-port valve</p>	<p>Seal ferrule, Valco, VICI FS 0.4</p>	<p>P/N TBC</p>	<p>See Page 6</p>
<p>Seal ferrule, Valco, VICI FS 0.5</p>	<p>ThermoFisher P/N 1040480</p>			

Junction Type	Places	Ferrule Type	Part Number	Contact Person
	Connection b/w bulkhead union and SS capillary of needle	Ferrule GVF 1/16" – 008 <i>Or GVF 1/16"-0010 (only if above is N/A)</i>	SGE P/N 072655 or ThermoFisher P/N 1068700 <i>Or SGE P/N 072655 or ThermoFisher P/N 1068700 (only if above is N/A)</i>	See Page 6
	Ferrule catcher	K-Files #45-80, 25 mm	--	Page 8

Tubings

Location image	Location/item description	Part number	Contact person
	Nafion Tubing for Water removal	Thermo Fisher P/N 0743390	Page 7

Location image	Location/item description	Part number	Contact person
	<p>Glass Tube for Sample open split</p>	<p>Thermo Fisher P/N 1183040, SGE P/N 092030</p>	<p>Page 7</p>
	<p>Glass Tube for Reference open split</p>	<p>Thermo Fisher P/N 1041800</p>	<p>Page 7</p>
	<p>Peek tubing (OD 1.59 mm, 1.40 mm ID) for covering 0.11 and 0.05 mm silica capillaries connecting Gas Bench to IRMS</p>	<p>JR-T-60032-M1.5 (for 1.5 m); other lengths are also available but not necessary</p>	<p>Page 7</p>

Capillaries

0.32 mm fused silica capillary – ThermoFisher P/N 1004640 or SGE P/N 0624470

0.05 mm fused silica capillary – ThermoFisher P/N 0543380 or SGE P/N 062444

0.075 mm fused silica capillary – ThermoFisher P/N 1045480 or SGE P/N 0624450

0.11 mm fused silica capillary – ThermoFisher P/N 0674910 or SGE P/N 062446

Needles and Syringes

Needle/Syringe – Thermo Fisher P/N 1137020, **SGE P/N TBC**

Bulkhead unions – Thermo Fisher P/N 1121170, IVA P/N IVAZBU1C, Valco P/N ZBU1C

Valco 8 port

Rotor Seal 8 port 2-pos W-valve 1/16" 0.4 mm, 225C/400 psi gas, E – VICI P/N SSAC8WE

Gas Chromatograph

PoraPLOT Q capillary column, 25 m × 0.32 mm – ThermoFisher P/N 0171911, **SGE P/N TBC**

Electronics

SMC Valve

Nuts, bolts and screws

M3/12 – for fixing the Gas Chromatograph to the Gas Bench frame

M4/12 – for fixing the upper, bottom and side panels of the Gas Bench together

1/16" brass unions – **Swagelok P/N TBC** – For connecting stainless steel capillaries carrying reference gases to the left panel

Part Number cross-reference

For Valco products - <https://www.vici.com/products.php>, <https://www.vici.com/catalog.pdf>
(ferrules: p18, bulkhead unions: p22-26)

For SGE products - <https://www.sisweb.com/gc/>, [https://www.bgb-info.com/files/master/Kataloge/SGE\(Trajan\)/Injection Port PDS BGB online.pdf](https://www.bgb-info.com/files/master/Kataloge/SGE(Trajan)/Injection Port PDS BGB online.pdf),
[https://www.bgb-info.com/files/master/Kataloge/SGE\(Trajan\)/Injection Port PDS BGB online.pdf](https://www.bgb-info.com/files/master/Kataloge/SGE(Trajan)/Injection Port PDS BGB online.pdf),
https://cdn.shopify.com/s/files/1/0767/9441/files/PDPN-1018-G_RevE.pdf?v=1754955926,
<https://iva-analysentechnik.de/en/catalog> (also see IVA below)

For ThermoFisher products - BRE0005920 GasBench II Consumables and Parts Catalog (Rev. A), <https://www.oasislab.co.in/wp-content/uploads/2025/06/BRE0005920-GasBench-II-Consumables-and-Parts-Catalog-Rev.-A.pdf> (also see IVA below)

For IVA Products - https://cdn.iva-analysentechnik.de/1/EA_Thermo_2016_Rev01_b4f2829e88.pdf, <https://iva-analysentechnik.de/en/catalog>

Sellers/contact persons for Gas Bench Consumables

Sellers that are highlighted are the ones I have found most reliable/cheapest/quickest. So, contact them first.

All lists are in alphabetical order.

SGE/CRS products:

Ajay, Pridus Global Pharma (sales@pridusglobalpharma.com, info@pridusglobalpharma.com, +91 79750 44140) – *very long delivery times and horrible customer service*

Arunkumar, Chromatopak Analytical Instrumentation (India) Pvt. Ltd. (+917738084001; sales@chromatopak.com, info@chromatopak.com, support@chromatopak.com; www.chromatopak.com)

Biomall India (sales@biomall.in, +91-7977202692, www.biomall.in)

Mamatha/Harshitha, Komalsys (info@komalsys.com, +919035018798) – *unnecessarily expensive, to be avoided*

Supreme Chromatography India LLP (info@supremeci.com, www.supremeci.com)

ThermoFisher:

Yogesh, ThermoFisher (yogesh.sanger@thermofisher.com, +91 91369 80725); Sandesh, ThermoFisher (sandesh.tanawade@thermofisher.com); Satish, ThermoFisher (satish.dixit@thermofisher.com); Venkataramana D (d.venkataramana@thermofisher.com)

Valco:

Advance Instruments Maintenance and Service (A.I.M.S) (Indiasales.aims@gmail.com, +917670959947)

Imptech Scientific (sales@impscience.com, imptechscientific@gmail.com, +917569644442, +916301220855)

Inexus Biotech Pvt Ltd (sales@inexusbio.com, (+91) 044 2834 1917)

Premier Engineering and Maintenance Technologies (P.E.M.T) (pemtechnologies@gmail.com, +919885380077)

Srinivasa Karra (+91 98660 55177, srinivas.karra@vici.ch)

Stirling Cryogenics India Pvt. Ltd (info@stirlingcryogenics.co.in, (+91) 0120 240 6650)

Sumeet Kumar, Unichrome Associates, India; (info@unichromeassociates.com,
[+919821383939](tel:+919821383939), [+919324748821](tel:+919324748821))

Swagelok

Chandan Krishna (+916366756550)

SMC

SMC Corporation (India) Pvt Ltd, 320/3C, Siddappa Reddy Layout, Bommanahalli, Bangalore-560068, bangalore.in@smc.com, info.in@smc.com; athanimath.pavan@smc.com,
nataraj.hj@smc.com,

Local distributor: Pentagon Systems and Automation, sales@pentagonsystems.in,
sales@pentagonsystems.org, support@pentagonsystems.in. Contact persons: Dilip
(+918867323714), Sudhir (+919448053714), Srinivasan (+919886003714)

Nuts, bolts and Screws

The Machine Tools & Accessories, 88/2, MSR College Rd, A.K.Colony, Gokula 1st Stage, Mathikere Extension, Mathikere, Bengaluru, Karnataka 560054, +918023604822,
<https://maps.app.goo.gl/t412Vod134rkPirK7>

K-Files (aka ferrule catcher)

Royal Dental Depot - 5, Sri Anjaneya Temple Road, New Bel Road, Opposite-M S R Memorial Hospital, Ash, Bengaluru, Karnataka 560094; +919448274585,
<https://royaldentalonline.com/work/>, <https://maps.app.goo.gl/6QNMTjijy4h91A4qs6>

or any dental/surgery store nearby