



Thermo Scientific
Chromatography Columns
and Consumables 2016-2017

Connected chromatography solutions

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Gas Management

Click-On Inline Filters

Easy-to-use format eliminates contamination

- Pure gas output 99.9999% or 6.0 grade
- No carrier gas line contamination during filter change
- Easy and fast replacement without the need for tools
- TUEV approved
- Maximum pressure 11 bar (160 psi)
- Maximum flow 25L/min



Filters	For Gas	Indicator Change	Filter Capacity (Click-On Inline)	Filter Capacity (Super Clean)
Moisture	Inert carrier, He, H ₂ , N ₂ , AR, Air		21g H ₂ O	7.2g H ₂ O
Oxygen	Inert carrier, He, H ₂ , N ₂ , AR		3L O ₂	1L O ₂
Hydrocarbon	Inert carrier, He, H ₂ , N ₂ , AR, Air		36g (as n-butane)	24g (as n-butane)
Combi – Moisture, Oxygen	Inert carrier, He, H ₂ , N ₂ , AR		10g H ₂ O, 1.5L O ₂	–
Combi – Moisture, Hydrocarbons	Inert carrier, He, H ₂ , N ₂ , AR, Air		10g H ₂ O, 18g HCs (as n-butane)	3.5g H ₂ O, 12g HCs (as n-butane)
Triple – Moisture, Oxygen, Hydrocarbons	Inert carrier, He, H ₂ , N ₂ , AR		6g H ₂ O, 1L O ₂ , 12g HCs (as n-butane)	1.8g H ₂ O, 500mL O ₂ , 7g HCs (as n-butane)
Triple – Moisture, Oxygen, Hydrocarbons – He preconditioned for GC/MS	He		6g H ₂ O, 1L O ₂ , 12g HCs (as n-butane)	–
Indicating Triple – Moisture, Oxygen, Hydrocarbons – He preconditioned for GC/MS	He	Moisture: Yellow to Clear Oxygen: Green to Gray	0.1g H ₂ O, 100mL O ₂ , 0.07g HCs (as n-butane)	–

Click-On Inline Filters

Type	Cat No.	Quantity
Moisture Filter	60180-801	1 Each
Oxygen Filter	60180-802	1 Each
Hydrocarbon Filter	60180-803	1 Each
Combi – Moisture, Oxygen	60180-804	1 Each
Combi – Moisture, Hydrocarbons	60180-843	1 Each
Triple – Moisture, Oxygen, Hydrocarbons	60180-805	1 Each
Triple – Moisture, Oxygen, Hydrocarbons – He preconditioned for GC/MS	60180-806	1 Each
Indicating Triple – Moisture, Oxygen, Hydrocarbons – He preconditioned for GC/MS	60180-808	1 Each

Connectors and Accessories

Description	Cat No.	Quantity
Brass End Fitting, 0.125in.	60180-809	2 Pack
Steel End Fitting, 0.125in.	60180-810	2 Pack
Brass End Fitting, 0.25in.	60180-811	2 Pack
Steel End Fitting, 0.25in.	60180-812	2 Pack
Double Ended Connector to connect Filter to Indicator	60180-813	1 Each
Replacement O-Rings	60180-833	1 Each
Wall Mounting Clamp	60180-834	4 Pack

Super Clean Cartridge Filters

Replace easily without tools

- 99.9999% pure gas (or 6.0 grade) output
- No carrier gas line contamination during cartridge change
- Cost effective
- TUEV approved
- Max. pressure 11 bar (160 psi)
- Max. flow 7L/min



Super Clean Cartridge Filters

Type	Base Included	Cat. No.	Quantity
Indicating Moisture Cartridge Filter	No	60180-819	1 Each
Indicating Oxygen Cartridge Filter	No	60180-820	1 Each
Hydrocarbon Cartridge Filter	No	60180-821	1 Each
Indicating Combi Filter – Moisture, Hydrocarbons	No	60180-826	1 Each
Indicating Triple Filter – Moisture, Oxygen, Hydrocarbons	No	60180-824	1 Each
Indicating Triple Filter – Moisture, Oxygen, Hydrocarbons – He preconditioned for GC-MS	No	60180-825	1 Each
Triple Filter – Moisture, Oxygen, Hydrocarbons – He preconditioned for GC-MS	Yes	60180-830	1 Each
Indicating Triple Filter – Moisture, Oxygen, Hydrocarbons – He preconditioned for GC-MS	Yes	60180-829	1 Each
3 Cartridge Pack – contains 1 x Triple Filter and 2 x Combi Filter (Moisture, Hydrocarbons)	No	60180-822	1 Each
4 Cartridge Pack – contains 1 x Moisture Filter, 1 x O ₂ Filter and 2 x Hydrocarbon Filter	Yes	60180-827	1 Each
3 Cartridge Pack – contains 1 x Triple Filter and 2 x Combi Filter (Moisture, Hydrocarbons)	Yes	60180-828	1 Each
High Flow Pack of 2 x Hydrocarbon Filters for LC-MS – no Indicator	No	60180-839	1 Each
High Flow Pack of 2 x Moisture Filters for LC-MS – with Indicator	No	60180-841	1 Each

Super Clean Cartridge Filter Baseplates

One-time installation procedure

- Can be configured to the individual user requirements
- Needle valves ensure gas line is not contaminated during cartridge change

Filters are not included



Type	For Use With	For Gas
Single Base	Triple Filter	Carrier Gas Only
Dual Base	2 x Combi Filter	Air and Fuel Gas
Triple Base	Triple and 2 x Combi Filter	Carrier, Make-Up, and Fuel Gas
Four-position Base	Moisture, Oxygen, 2 x Hydrocarbon	High Capacity Carrier, Fuel, Make Up
Two-position, High-flow Base	N ₂ in LC/MS, H ₂ O in H ₂ /air generators	Carrier, Make Up and Fuel

Super Clean Cartridge Filter Baseplates

Type	Cat. No.	Quantity
Single Base	60180-814	1 Each
Dual Base	60180-815	1 Each
Triple Base	60180-817	1 Each
Four-position Base	60180-818	1 Each
O-rings for Base Plates	60180-837	20 Pack
Flush Cap	60180-838	2 Pack

Resources

for Chromatographers



Chromatography Resource Center

Our web-based resource center provides technical support, applications, technical tips and literature to help move your separations forward.

Visit www.thermoscientific.com/chromatography

How to order

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800 332 3331
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+33 (0)1 60 92 48 34
+33 (0)1 60 92 49 00 fax
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Germany

+49 (0) 2423 9431 -20 or -21
+49 (0) 6103 408 1640 fax
lcgc.consumables.DE@thermofisher.com

United Kingdom

+44 1928 534110
+44 1928 534001 fax
lcgc.consumables@thermofisher.com

China

+86 21 6865 4588

India

+91 22 6742 9494
+91 27 1766 2352
+91 22 6742 9495 fax
analyze.in@thermofisher.com

Japan

+81 3 5826 1615
+81 3 5826 1611 fax
analyze.jp@thermofisher.com

Thermo Fisher Scientific Australia Pty Ltd

1300 735 292 (free call domestic)
1800 067 639 fax
AUinfo@thermofisher.com

Thermo Fisher Scientific New Zealand Ltd

0800 933 966 (free call domestic)
0800 329 246 fax
NZinfo@thermofisher.com

All Other Enquiries

+44 (0) 1928 534 050
+44 (0) 1928 534 049 fax
salesorders.columns.uk@thermofisher.com

Technical Support

**For advice and support,
please visit our website:**

www.thermoscientific.com/chromexpert

For more information visit: www.thermoscientific.com/chromatography

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