

GC Accessories

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
- No risk of overtightening fittings
- Reuseable end fittings reduce cost of clean gas: remain installed during filter replacement
- TUEV approved
- Maximum pressure 11 bar (160 psi)
- Maximum flow 25L/min.
- Combi filter removes oxygen and moisture, or moisture and hydrocarbons
- Triple filter removes oxygen, moisture and hydrocarbons



Click-On Inline Filters	For Gas	Indicator Change	Filter Capacity
Moisture	Inert carrier, He, H ₂ , N ₂ , AR, Air		21g H ₂ O
Oxygen	Inert carrier, He, H ₂ , N ₂ , AR		3L O ₂
Hydrocarbon	Inert carrier, He, H ₂ , N ₂ , AR, Air		36g (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)
Triple – Moisture, Oxygen, Hydrocarbons	Inert carrier, He, H ₂ , N ₂ , AR		6g H ₂ O, 1L O ₂ , 12g 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	Red to White Purple to Green	0.1g H ₂ O, 100mL O ₂ , 0.07HCs (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 Filter	For Gas Type	Indicator Change	Filter Capacity
Moisture	Inert carrier, He, H ₂ , N ₂ , AR, Air	Gray to White	7.2g H ₂ O
Oxygen	Inert carrier, He, H ₂ , N ₂ , AR	Green to Gray	1L O ₂
Hydrocarbon	Inert carrier, He, H ₂ , N ₂ , AR, Air		24g HCs (as n-butane)
Combi	Inert carrier, He, H ₂ , N ₂ , AR, Air	Purple to Green	3.5g H ₂ O, 12g HCs (as n-butane)
Triple	Inert carrier, He, H ₂ , N ₂ , AR	Orange to Gray Purple to Green	1.8g H ₂ O, 500mL O ₂ , 7g HCs (as n-butane)

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	No	60180-823	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
Twin Hydrocarbon Filters for High Flow Base Plate for LC/MS – no Indicator	No	60180-831	1 Each
Twin Moisture Filters for High Flow (Air Generators)	No	60180-832	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 Hydrocarbon Filters for LC/MS – with Indicator	No	60180-840	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/Manifolds

Type	Cat. No.	Quantity
Single Base	60180-814	1 Each
Dual Base	60180-815	1 Each
Triple Base	60180-817	1 Each
Two-position, High-flow Base	60180-816	1 Each
Four-position Base	60180-818	1 Each
O-rings for Base Plates	60180-837	20 Pack
Flush Cap	60180-838	2 Pack

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