

Click-On Inline Filters


Eliminate contamination with easy-to-use filters

- **99.9999% pure gas output**
- **No carrier gas line contamination during filter change**
- **Easy and fast replacement without need for tools**
- **No risk of over tightening of fittings**
- **Cost effective**
- **He pre-conditioned available for MS detection**
- **TUEV approved**

The Click-On™ Inline gas filtering system is designed with ease of use and gas quality (99.9999% or 6.0 grade) in mind. Re-useable end fittings remain installed on the gas line during filter replacement, reducing the cost of clean gas. These unique patented end fittings incorporate needle valves that close

the lines and prevent contamination. Filters are available to remove oxygen, moisture, hydrocarbons, including Click-On Inline Combi filters to remove moisture and hydrocarbons (or moisture and oxygen), or a Triple filter to remove all three.



Click-On Inline Filters	Output Quality	Max Pressure	Max Flow	Used For	Indicator Change	Capacity
Moisture	> 6.0 (99.9999%)	11 bar (160 psi)	25 L/min	Inert Carrier, Air, H ₂		21 g H ₂ O
Oxygen	> 6.0 (99.9999%)	11 bar (160 psi)	25 L/min	Inert Carrier		3 L O ₂
Hydrocarbon	> 6.0 (99.9999%)	11 bar (160 psi)	25 L/min	Inert Carrier, Air, H ₂		36 g (<i>n</i> -butane)
Indicating Triple	> 6.0 (99.9999%)	11 bar (160 psi)	25 L/min	Inert Carrier		3 g H ₂ O; 400 mL O ₂ ; 5 g HCs
Triple	> 6.0 (99.9999%)	11 bar (160 psi)	25 L/min	Inert Carrier		6 g H ₂ O; 1 L O ₂ ; 12 g HCs
Combi	> 6.0 (99.9999%)	11 bar (160 psi)	25 L/min	Inert Carrier		10 g H ₂ O; 18 g HCs

Ordering Information



Description	Quantity	Part Number
Click-On Inline Moisture Filter	1	60180-801
Click-On Inline Oxygen Filter	1	60180-802
Click-On Inline Hydrocarbon Filter	1	60180-803
Click-On Inline Combi (Oxygen & Moisture)	1	60180-804
Click-On Inline Combi (Moisture & Hydrocarbons)	1	60180-843
Click-On Inline Triple, (Oxygen, Moisture & Hydrocarbons)	1	60180-805
Click-On Inline Triple (He preconditioned)	1	60180-806
Click-On Inline Indicating Triple (He preconditioned)	1	60180-808
1/8" Brass Re-useable End Fittings	2	60180-809
1/8" Steel Re-useable End Fittings	2	60180-810
1/4" Brass Re-useable End Fittings	2	60180-811
1/4" Steel Re-useable End Fittings	2	60180-812
Double-ended Cartridge Connector to connect filter to indicator	1	60180-813
Wall Mounting Clamp	4	60180-834
Replacement O-rings	10	60180-833

Super Clean Cartridge Filters

Output high purity gas easily

- Easy replacement without need for tools
- No carrier gas line contamination during cartridge change
- 99.9999% pure gas output
- Cost effective
- Unique He pre-conditioned units available for MS detection
- TUEV approved

The Super Clean™ range of cartridge gas filtering systems is designed with ease of use and gas quality (99.9999% or 6.0 grade) in mind. The filter base plate is a one-time installation procedure and can be configured to the individual requirements of the user. Needle valves ensure the gas line is not contaminated during cartridge change.

Super-Clean Cartridges	Output Quality	Max Pressure	Max Flow	Used For	Indicator Change	Capacity
Moisture	> 6.0 (99.9999%)	11 bar (160 psi)	7 L/min	Inert Carrier, Air, H ₂	○ to ○	7.2 g H ₂ O
Oxygen	> 6.0 (99.9999%)	11 bar (160 psi)	7 L/min	Inert Carrier	● to ○	1L O ₂
Hydrocarbon	> 6.0 (99.9999%)	11 bar (160 psi)	7 L/min	Inert Carrier, Air, H ₂	○ to ○	12 g (<i>n</i> -butane)
Triple	> 6.0 (99.9999%)	11 bar (160 psi)	7 L/min	Inert Carrier	● to ●	1.8 g H ₂ O; 500 mL O ₂ ; 4 g HCs
Combi	> 6.0 (99.9999%)	11 bar (160 psi)	7 L/min	Inert Carrier	● to ●	1.8 g H ₂ O; 6 g HCs



Description	Contains	Use
Single Base	Triple Filter	Carrier gas only
Dual Base	2 x Combi	Air & fuel gas
Triple Base	Triple & 2 x Combi	Carrier, make up and fuel
Four Position	Moisture, Oxygen, 2 x Hydrocarbon	High capacity carrier, fuel & make up

Ordering Information

Description	Quantity	Part Number
Base plate for 1 filter	1	60180-814
Base plate for 2 filters	1	60180-815
High flow 2 filter base plate for N ₂ in LC/MS or H ₂ O in H ₂ /air-generators	1	60180-816
Base plate for 3 filters	1	60180-817
Base plate for 4 filters	1	60180-818
Moisture cartridge with indicator	1	60180-819
Oxygen cartridge with indicator	1	60180-820
Hydrocarbon cartridge	1	60180-821
GC cartridge bundle of 3 (Triple + 2x HC/H ₂ O Combi)	1	60180-822
GC cartridge bundle of 4 (O ₂ , H ₂ O + 2x HC)	1	60180-823
GC cartridge triple (O ₂ + H ₂ O + HC)	1	60180-824
GC cartridge triple (O ₂ /H ₂ O/HC) He preconditioned	1	60180-825
GC cartridge combi (HC/H ₂ O)	1	60180-826
4 cartridges (O ₂ /H ₂ O/2x HC + Base)	1	60180-827
3 cartridge kit (Triple + 2x Combi + Base)	1	60180-828
He preconditioned kit (Base + Triple Cartridge)	1	60180-829
Gas filter kit (Base + Triple Cartridge)	1	60180-830
Twin HC filters for high flow base plate (LC/MS) (No indicator)	1	60180-831
High flow twin H ₂ O filters (air generators)	1	60180-832
Replacement O-rings for base plates	1	60180-837
Flush cap (allows gas flow without filter)	1	60180-838
High flow bundle (2x HC) no indicator for LCMS	1	60180-839
High flow bundle (2x HC) with indicator for LCMS	1	60180-840
High flow bundle (2x H ₂ O) with indicator for LCMS	1	60180-841