



# AP2-G Filters

for mains fed  
water coolers

3M Water Filtration's new range of filters for mains fed water coolers is an exciting addition to its already well known and trusted range of 3M™ AP2 filters, designed to provide the best quality water at a lower cost to your business and to the environment.

## Environmental advantages over standard AP2:

- 53% reduction in plastic on the replacement cartridge 'vs' the current AP2 offering
- Reduced disposal costs
- Smaller carbon block, reduces height and diameter of filter housing
- Less weight in the water cooler and less material used in creation of the carbon block
- Reduced packaging

Businesses are becoming more environmentally aware and are looking for products to help them behave in a socially responsible manner, the 3M™ AP2-G range has been designed to help achieve this. The product has been developed to provide all of the market leading technology and benefits of the original 3M™ AP2 range with 53% less plastic and packaging, making it the AP2 range's little brother with big savings and bigger technological advances.

### 3M™ AP2-G Filter Specification

<b>Rated Flow rate</b>	0.5 Gpm (2.0 Lpm)
<b>Temperature Range</b>	33-100°F (4.4-38°C)
<b>Pressure range</b>	25-125psi (172-861 kPa)
<b>Design Pressure</b>	125 psig at 100°F (861 kPa at 38°C)
<b>Hydrostatic Burst Test</b>	500 psig min. (3445 kPa)
<b>Hydrostatic Pressure Test</b>	375 psig (2584 kPa for 15 minutes)
<b>Impulse Test</b>	0-150psig (0-1034 kPa) for 100,000 cycles
<b>Proprietary Key</b>	Incorporated
<b>Label/Sump Name</b>	3M
<b>JG connections</b>	1/4"
<b>Local Approval</b>	WRAS*, ACS

\*In progress

**The 3M AP2-G range offers a no fuss, clean and economical alternative to the current in-line product offerings on the market.**

#### In-Line

- Difficult to install and replace
- Product offerings are generic and technologies less advanced
- Low cost but variable quality
- Lower capacity, flow rates and performance
- Limited options for cyst or scale removal

#### AP2-G

- AP2-G systems use Sanitary Quick Change technology, meaning filters are replaced in seconds
- A wider range of technologies are available to suit the needs of the application
- Low cost, high quality
- Superior capacities, flow rates and performance
- Cyst and scale removal

### Product Characteristics for 3M AP2-G Range

AP2-G Range Model No	AP2-405G	AP2-405GS	AP2-401G	AP2-401GS
<b>Chlorine Capacity (L)</b>	<b>4000</b>	<b>4000</b>	<b>4000</b>	<b>4000</b>
<b>6 Month Water Volume (L)</b>	4000	4000	4000	4000
<b>Particulate Retention Level</b>	Cyst	Cyst	1 mic	1 mic
<b>Select VOC (Manufacturer's Claim)</b>	Yes	Yes	Yes	Yes
<b>Lead (Manufacturer's Claim)</b>	Yes	Yes	No	No
<b>Silverised Carbon Block</b>	Yes	Yes	Yes	Yes
<b>Scale Inhibition Polyphosphate</b>	No	Yes	No	Yes
<b>Clean DP target at 2 lpm (psi)</b>	15 to 20	15 to 20	5 to 10	5 to 10
<b>NSF Approval</b>	Chlorine & Cyst	Chlorine & Cyst	Chlorine & Micron	Chlorine & Micron





## Miniaturisation

3M's miniaturisation technology achieves a higher flow, with longer life, in a smaller filter. Our carbon block technology enables the 3M™ AP2-G range to produce the same high quality filter with the same great tasting filtered water.

With the introduction of the miniaturisation technology 3M has been able to achieve 2 to 3 times the Volatile Organic Compound (VOC) capacity of its current products, combined with higher active media content, higher flow rates and lower pressure loss. The 3M AP2-G range also brings significant improvements in lead and mercury reduction capacity plus enhanced kinetics giving a robust cyst reduction capability.

## Powder Media

Utilising a smaller diffusion path throughout the carbon block means the water isn't having to work as hard to get to the centre of the particle, the smaller the particle the quicker the carbon is able to react, giving the 3M AP2-G range a more efficient performance than other filters on the market.

## 3M and the Environment

3M Water Filtration's AP2-G range has undergone developments to offer an environmentally friendly alternative to its existing range of filters and others on the market. The significant plastic reduction and miniaturization of media, means less waste goes to landfill and has less of an impact on the environment.

3M Water Filtration's commitment to the environment is to actively contribute to sustainable development through environmental protection, social responsibility and economic progress.

3M's Pollution Prevention Pays (3P) programme celebrated its 30th anniversary in 2005. Over the last 34 years, the programme has prevented more than 1.3 million tonnes of pollutants and saved nearly \$1.2 billion based on aggregated data from the first year of each 3P project. The 3P program helps prevent pollution at the source, in products and manufacturing processes, rather than removing it after it has been created. When 3P was launched in 1975, the concept of applying pollution prevention on a companywide basis and documenting the results was an industry first.

3P is a key element of 3M's environmental strategy and in moving toward sustainability. 3P has achieved that status based on our belief that a prevention approach is more environmentally effective, technically sound and economical than conventional pollution controls. Natural resources, energy and money are used to build conventional pollution controls, and more resources are consumed operating them. Conventional control only constrains the problem temporarily; it does not eliminate the problem. 3P seeks to eliminate pollution at the source through:

- Product reformulation.
- Process modification
- Equipment redesign
- Recycling and reuse of waste materials

Through the use of this programme and others 3M has received many recognitions and accreditations for its work such as:

- 2008-2009 Dow Jones Sustainability Index
- Energy Star Sustained Excellence Award 2005-2009
- 3M UK & Ireland was awarded the Carbon Trust Standard in 2009



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