



Welcome to the Winter edition of SMC news

In this issue we will be discussing a number of topics such as Carbon Emissions, Electric Actuators, SMC Stock Locator and details of our informative, free Technical Seminars. We have added a "Did you know" section this month where we are disclosing some interesting facts that you may not know about the SMC products.



SMC's New Stock Locator
Recently added to our website is the new stock locator.

This service provides all day access to SMC's Stock availability.

More than 30,000 products readily available.

To find out more and to register [click here](#).

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Carbon emissions - A hot topic



The Kyoto Protocol and amendments lay down strict requirements for the reduction of CO2 emissions, which industry will sooner or later be obliged to meet. Saving energy in the form of reduced compressed air production is not only a proven method of cutting annual operating costs but is also a significant means of reducing CO2 emissions. To read more about using energy wisely [click here](#)

In-house Technical Seminars

SMC delivers free in-house technical seminars on various pneumatic and electro-pneumatic topics which can be structured to customers' specific requirements. These technical briefings are focused on product performance, energy reduction and problem solving.



Whenever possible product demonstrations are arranged to highlight the issues discussed and provides practical solutions. Previous seminars featured valve and cylinder technologies, air preparation, and the correct selection of fittings and tubing.

To arrange a seminar for your company contact [Jennifer Chapman](#)

SMC's New Products

Each year one of the SMC key missions is to develop and introduce many new products which are industry driven to meet customer requests.

This year to date 40 new products have been released to the local market, many of which are energy saving and compact in size. These new products include Chillers, Valves, Switches, Actuators, Electric Grippers, Controllers and much more.



To learn more about these products [click here](#)

Did you know.....

All SMC Cylinders:



- Are precision machine finished resulting in a perfect bore for continuously smooth operation.
- Have an aluminium tubing hard coating
- Have hard chromed rods for the prevention of corrosion.
- Have low friction seals with no requirement for lubrication

The results are

High quality products, enhanced performance, with prolonged lives.

On the road with SMC

SMC's Demonstration Van, fitted with numerous working demonstration panels, is currently touring Ireland. Providing an opportunity to view many of the SMC products in an operational environment. Should you wish for it to visit your premises please email jchapman@smcpneumatics.ie with your details and we can arrange a visit for you.



Featured product group: SMC's Electric Actuators

High precision positioning and repeatability define the SMC range of electric actuators. With numerous options available we have a solution for all requirements.



For an overview of our electric actuator range please [click here](#)

Success story: Solving problems

Recently a well known healthcare equipment company contacted our Technical Specialist with a problem.

They were constantly encountering problems with a fluid transfer machine.



The investigation

When investigated it was established that the customer was using another manufacturer's products. The poor quality finish of the manifolds and the internal orifice of the valves were often inconsistent which led to the problem of the random failures of the valves.

The result

SMC provided replacement manifolds and the new manifolds were compact to facilitate the customers wish to reduce the size of the overall machine. In addition to this SMC was able to offer long life and energy efficient valves thereby reducing the overall product costs for the customer.

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