

PRECISION and ACCURACY

Dear Reader

During the year we are regularly asked to explain the difference between precision and accuracy?

For those of you who are still not sure, accuracy is a measure of how close a result is to the true value and precision is a measure of how repeatable the result is.

For example, at some time, most people will have purchase or will have been given a set of bathroom scales for their home.

If you have, then I'm sure that every so often you'll step on them just to check your weight - especially after the Christmas holiday festivities, or in the weeks leading up to a beach holiday!

In most cases, over a period of days, your weight will not vary very much - a couple of pounds/or a kilo at most - and in general terms the bathroom scales can be considered as precise.

But sadly being precise does not necessarily mean that they are accurate!

A few weeks ago a fellow office colleague went to have her annual medical check at her local doctor's surgery and when asked to step onto the professional - and very "accurate" - weighing machine was distraught to find out she was actually 6 kilos heavier than her scales were registering at home.

Clearly her bathroom scales were precise but completely inaccurate!

We hope that this light-hearted explanation highlights the difference between these two important words however, in the case of SMC, all of our products offer both the highest levels of accuracy and precision at all times.

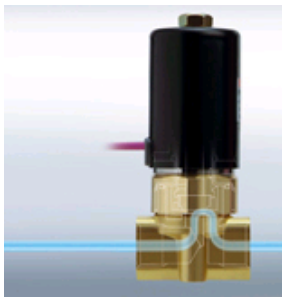
Welcome to this month's edition of our e-matters - we hope that you enjoy it.



SMC Corporation - Europe

NP INNOVATION AT A GLANCE

PVQ - Compact Proportional Solenoid Valve The valve that allows you to PRECISELY control the flow



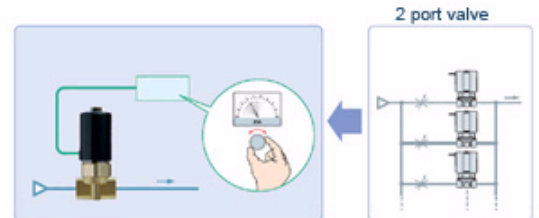
For applications requiring a specific flow rate - where you simple cannot afford to have any variations - SMC has the perfect valve.

By simply controlling the electrical current - you will be able to PRECISELY set the amount of litres/min. that your application requires.

If you're interested in reading more about PRECISE flow control devices.

[+ Please click here for more information.](#)

One PVQ can precisely assist you controlling several flow rates: when you need different 2-port valves to control different flow rates, by selecting our PVQ you can achieve the same result using just a single valve, **saving both space and money!**



For an ACCURATE Flow Control System please consult our extensive

[+ Flow Switches Range.](#)

More Innovations this month!

RJ - Shock Absorber



Smooth linear energy absorption - Long life performancen.

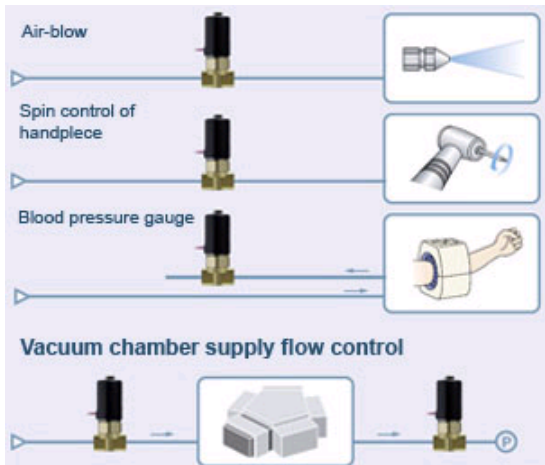
[+ For all RJ related information, please click here.](#)

Applications

SMC's small-conveyance equipment



APPLICATIONS

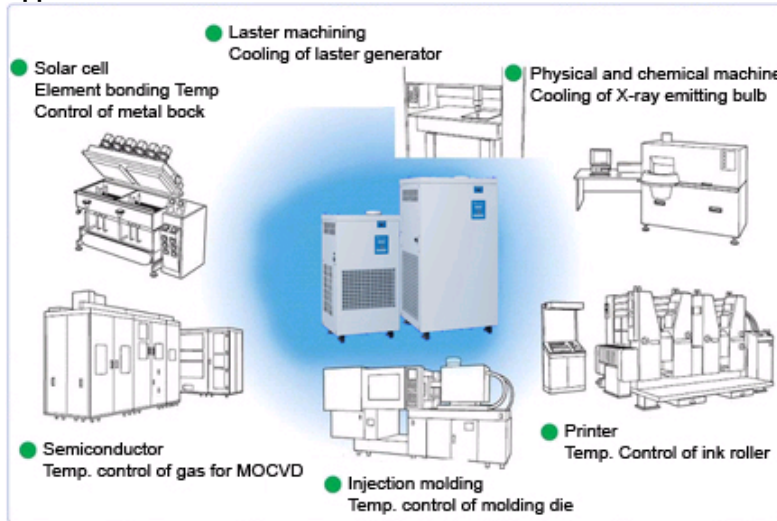


HRGC - Refrigerated Thermo-Cooler



[+](#) For all HRGC related information, please [click here](#).

Applications



THE WINNER

The winner of the high quality executive Cross pen is:

Mr. Raymond Hommel
Trento Engineering

Congratulations!!



THANK YOU VERY MUCH!

For those readers who responded to last month's on-line survey THANK YOU VERY MUCH!

At SMC we are committed - on a daily basis - to on-going improvement in all of our activities. This commitment also extends to providing both our customers and prospects with relevant and useful information to help them in their daily working life. Therefore, we very much appreciate the excellent feedback we received from our readers over the past few weeks.

In this edition of e-Matters, we have already started to introduce some of your suggestions such as, downloadable pdf files and - thanks to some great ideas - we will continue to develop and introduce new elements in future editions of this e-mailed publication.

Among the many replies, we did receive a request from a reader in Turkey who suggested that it would be good if we could personalise e-Matters even further with the introduction of Birthday Messages. Whilst - in theory - this is possible, please be assured that our circulation list only contains your e-mail address details!

However, this suggestion is quite timely as the SMC Corporation will reach a business milestone in April as we celebrate our 50th birthday (to be featured in a special April edition of e-Matters).

But, if you enjoyed a birthday in February please accept our belated birthday wishes!

And please remember, we are always very happy to hear from our readers:

[+](#) **Quick Contact**



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