

Green: one colour - two connotations

Dear Reader,
 The colour green is believed to be closely related to an old English verb "growan"- to grow. Often associated with nature, green signifies growth, regeneration, health and life.
 Nevertheless for many of us, when asked to envisage the colour green in our minds, we immediately think of the **environment** and if you happen to be an American - **money** (a greenback).
 So, we would kindly ask you to remember these words and in the future, whenever you see our special green logo - highlighting our Energy Saving Products and Energy Saving Solutions - we hope that you will recall these two connotations.

As world leaders in pneumatics, we remain firmly committed to the development of high performance, cost effective, energy efficient products and services that not only help the environment but also help save you money.
 In these challenging economic times we strongly believe that energy saving is the way to help make our customers and their products more competitive.
 So, with this in mind, we are pleased to unveil our latest 2 Port Solenoid Valve - Series VXE - another exciting component in our green, energy saving portfolio.

It will definitely generate less CO₂ and importantly, it will also help save you a few "greenbacks" too!
 We hope that you enjoy reading this May edition of e-matters.



The European Marketing Centre
 SMC Corporation

NP INNOVATION AT A GLANCE

VXE - A New Generation of 2 Port Solenoid Valves

Fluid Control, Low(er) Power Consumption and helps reduced CO₂ emissions



This new valve offers the same specifications and benefits as our widely used 2 Port Solenoid Valve ranges combined with excellent Energy Efficiency. The integration of a built-in power-saving circuit - based on the PWM technology - achieves outstanding energy saving and substantially reduced running costs!

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



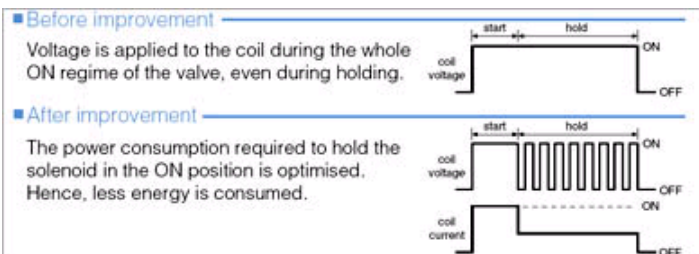
VXE Features

- ° Interchangeable with SMC's traditional 2 port Solenoid valve. You can even replace only the (Energy Saving) coil.
- ° Wide range of variations:
 - Suitable for Air, Water & Oil
 - Wide options of Seal materials: NBR, FKM, EPDM, PTFE
 - Single units and Manifold options available
- Operations:
 - Direct Operated
 - Pilot Operated
 - Zero differential Pressure Type Pilot operated
 - Various sizes
- ° IP 65

Our new VXE Energy Saving 2 Port Valve will save you as much as 66% energy / electricity / money as well as reducing coil heating when compared to our existing VX range.

Series	VXE		VX	
Electrical consumption [W]	VXE21	1.5	VX21	4.5
	VXE22	2.3	VX22	7
	VXE23	3.0	VX23	10.5
Temperature rise [°C]	VXE21	25	VX21	45
	VXE22	25	VX22	45
	VXE23	30	VX23	60

Please refer to image below for a visual illustration of how the PWM achieves these savings.



Would you like to know how much our new VXE can save you when compared to the valve you are currently using?

[Please Click here to use our brand new on-line calculator for VXE money savings](#)

Our SMC Valve Specialists recommend the VXE for: Just about any type of application where Energy Saving is a MUST!

[+ Please click here for SMC's Process Valve Selection](#)

ON-LINE

User friendly Process Valve Selector Now on-line!!

Our new Process and Fluid Valve Sizing Tool - Finding the most suitable valve for your application has never been easier!

Following our commitment to make your working day easier,

Simply answer a few easy to complete questions on your specific application and let the software instantly find our most suitable valve series for you - it's a simple as that!

[+ Process Valve Selector on-line](#)

on-line



More Innovations this month!

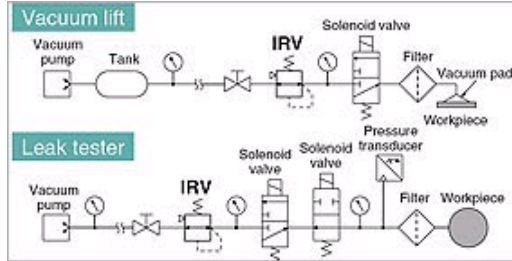
IRV10 20 - Vacuum Regulator

Our new Series IRV features a **unique single-sided connection**. Easy to install and maintain thanks to standard one-touch fitting and various mounting options. The digital pressure switch provides you with various options to enable easy pressure monitoring with its 2 colour display. Both smaller and lighter and with a broad range of flow rates options. If you're interested in finding out more?

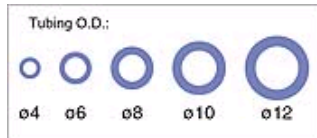


[+ For all IRV10 20 related information, please click here.](#)

Our SMC specialist recommends it for:



TUZ - Wear Resistant Tubing



Thanks to a special Polyurethane material, our latest's tubing offers **exceptional abrasion resistance**: 0.16mm after 10 million cycles (Verification done under specific SMC testing conditions)

Wear resistance is increased by more than 66% when compared to our standard TU tubing range.

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

Applicable Fittings:

- One touch fittings
- Insert Stainless Steel Fittings
- Miniature Fittings

Our SMC specialist recommends it for: Plastic Energy Chains or any application where tube abrasion is likely to occur.

Your contact details have been gathered through the CADENAS Web Site. All your gathered personal data are a part of database property of SMC's European Marketing Centre and we guarantee a lawful use of the same.

SMC does not share, rent, sell, or otherwise disclose your personal data to third parties under any circumstances.

In compliance with the Directive 95/46/EC of the European Parliament you will be able at any moment of exercising your rights of access, rectification, cancellation or opposition acknowledged in the mentioned law by contacting SMC on emcmarketing@smc.smces.es