

## KMS opens Bahrain office



During the MegaMagnum loading

Deepak Raina, Manager of Middle East Operations for Koch Membrane Systems (KMS) is now working from KMS's new regional office in Bahrain which will serve new and existing customers in the Middle Eastern region with importance to Saudi Arabian and UAE markets.

KMS has been a global leader in separation and filtration products for more than 30 years. A designer and manufacturer of state-of-the-art membrane cartridges and elements, as well as complete membrane systems, KMS products are specified for the most demanding applications.

To enhance membrane performance, KMS offers a line of antiscalants and cleaning chemicals, and provides a wide range of maintenance and technical service programs. Based in Wilmington, Mass., Koch Membrane Systems is a Koch Chemical Technology Group, LLC company.

KMS recently released MegaMagnum spiral reverse osmosis (RO) and nanofiltration (NF) element which has an unprecedented capacity that comes from its unique 18-inch diameter and 61-inch length. MegaMagnum elements significantly reduce the installed cost of large and medium-scale reverse osmosis systems designed for brackish water treatment or municipal water reuse, and for nanofiltration systems where softening or organics removal is a desirable treatment for drinking water supplies. ■

يدير شركة Koch Membrane Systems (KMS) في الشرق الأوسط دبيك رينا، وهو يعمل الآن في مكتبه الإقليمي الكائن في البحرين، ما يساعد على زيادة عدد زبائنه، وإن هذه الشركة العالمية متخصصة في توفير المنتجات الحديثة المعدة لتصفية المياه.

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## The Magnum effect

Magnum Enterprises, a member of Al Khalidia Group, established was in 1990 as one of the leading Bahraini companies specialized in the fields of engineering, design, installation, and commissioning for water, wastewater, and sludge treatment systems in addition to the relevant operation and maintenance services and supply of specialty chemicals.

Magnum Enterprises is equipped with an in-house facility to provide comprehensive services to the customers with services utilized for various water related activities. They have completed many important and time bound projects in Bahrain.



Magnum water treatment system

Through the past decade Magnum Enterprises have grown to become one of the biggest names in specialized water treatment. Recognized as meeting the highest Bahraini and international standards, Magnum had established high quality objectives to ensure full satisfaction of customers.

Magnum Enterprises have completed the setup of a full-scale operation several years ago, with head offices in Riffa. Their warehouse is fully equipped with full range of components and stock chemicals products to ensure the continuous operation of installations throughout the country.

On the other hand, their skilled, well-experienced engineers, and service staff are always available to meet any maintenance work required. ■

تأسست شركة Magnum Enterprises في العام ١٩٩٠، وهي إحدى الشركات البحرينية الرائدة في مجال الهندسة، والتصميم، ومعالجة المياه ومياه الصرف الصحي فضلاً عن أن هذه الشركة توفر خدمات صيانة في ما يخص النشاطات المائية، أنجزت هذه الشركة البحرينية العديد من المشاريع الهامة في البلاد.

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## A valve revolution

All water meters can measure water flow, but when it comes to slow leaks in the faucet -- they are simply not efficient enough.

A faucet dripping at 4 liters (about 1 gallon) per hour will not show up on the water meter, as though there was no water flow at all. Even brand new meters are unable to measure very low flow rates, and over time, friction, and accumulated lime and debris further reduce their sensitivity and overall performance.

The revolutionary Low Flow Control-



ler (LFC), developed by Floquip Valves of South Africa in association with the Arabco Group, has been designed to solve this problem. Operating as an add-on to existing water distribution systems, the LFC can be installed before

or after the water meter, enabling it to read low flow leakage. It does so by batching the water -- enabling water to flow only at a rate that can activate the measuring device, thus ensuring not only that the total consumption by households is accounted for, but also cutting down on the substantial costs associated with looking for leaks that do not actually exist.

It is commonly agreed that water is a precious natural commodity that deserves to be looked after, especially in the region. The LFC is surely a breakthrough in water preservation technology -- efficient and maintenance free. ■

طرح Floquip Valves الكائنة في جنوب أفريقيا جهاز تحكم في معدل التسرب البطيء للمياه، وحققت هذا الإنجاز بالتعاون مع Arabco Group وذلك من أجل التوصل إلى حل من أجل معالجة مشكلة قائمة. تعجز عدادات المياه عن قياس معدل التسرب البطيء للمياه عبر القنابير، لأنها قادرة على قياس معدل التدفق السريع للمياه فحسب.

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