

Did You Know...

► How Mott porous metal media protects people?

OEM Manufacturing News

We make Mott flow restrictors as though lives depend on them – because, in fact, that's often true. Our flow restrictors help provide breathable air to firefighters, soldiers and other rescue personnel all over the world. And that's just one application. Highly reliable and cost-effective, Mott flow restrictors feature clog-resistant surface areas 500 times greater than those of equivalent orifices. Which explains why they've made their way into a tremendous variety of flow control applications, including devices which help sustain and protect people.

From time to time, we like to share these bits of information because...well...we find them interesting. And we think you might, too. So here are some examples of innovative engineering that incorporates Mott porous metal in equipment used every day.

Emergency & Rescue

Mott restrictor plugs are used in Scott Air Packs which are used by firefighters. The **Self Contained Breathing Apparatus (SCBA)** uses our restrictor to ensure a constant flow of air to the breathing mask, enabling a low-pressure regulator to maintain constant pressure and air flow from the supply tanks independent of the supply tank pressure.



With uniform air flow whether the tank is newly filled or depleted, firefighters can use the maximum amount of available air, extending the usable time between tank refills. **Mott flow restrictors** are also used in **SCUBA Gear** and in **air delivery on airplanes**.

Mott also supplies **flow restrictors** to Neutronics, manufacturer of the **BioPak 240 Closed-Circuit Self-Contained Breathing Apparatus**. The BioPak 240 enables military and industrial personnel to work under hazardous conditions by recirculating the major portion of the user's exhaled gas, adding oxygen as necessary.

Commercial Fire Safety

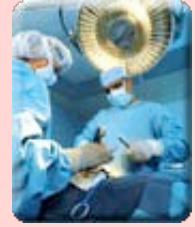


Mott flow restrictors are used in **commercial heat detectors** for buildings like hotels, convention centers and offices. Less prone to nuisance tripping than smoke alarms, heat detectors provide a precise and reliable method of fire safety.

As heat from the fire increases the room pressure, the restrictor is used as a rate-of-rise pressure indicator to trip the alarm.

Medical Devices

Mott encapsulated flow restrictors are used as safety devices on **anesthesia machines**, preventing oxygen deprivation and/or oxygen overdosing to the patient when critical valves are fully open or closed.



Mott flow restrictors are also used to control the flow of liquid drugs in continuous **self-regulating pain control systems**, typically used by cancer patients and in medical treatments such as insulin for diabetes.

For more information

[Click here](#) or on the image below to download our 4-page Flow Restrictors brochure. You may also contact us at Specialty Porous Sales, Mott Corporation, 84 Spring Lane, Farmington, CT 06032, 1-860-747-6333 or Toll-Free 1-800-BUY-MOTT. E-mail: quest@mottcorp.com.

