



NEWS RELEASE

For Release
September 15, 2003

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Des-Case Corporation helps solve contamination issues for pump users

Introduction of niche VentGuard™ breather addresses market needs

White House, Tenn.— Des-Case Corporation, an innovator of breather technology for industrial markets, has launched a new range of desiccant breather filters specially designed to prevent contamination in circulating pump systems. The new VentGuard™ breathers offer pump users' greater reliability over traditional breather vents, which provide very little to no protection against moisture and dirt.

Ideal for small to mid-size ANSI and API pumps, VentGuard breathers offer superior protection, helping to maximize the mean time between failures and optimize production output. Two products are included in this initial rollout, the VentGuard VG-1 and the VentGuard VG-4.

The VG-1 is a simple, yet effective miniature breather model that incorporates desiccant and filtration media. The VG-4 is a hybrid technology breather that provides the ideal solution for the management of lubricant condition where there is an increased incidence of bearing and seal failures due to moisture ingress.

The patent-pending design of the VG-4 incorporates the drying capability of desiccant, the cleaning capability of a 3µ filter media, and the sealing capability of an expansion chamber. By combining these proven technologies into one cost-effective package, VentGuard effectively eliminates ingress of dirt and water through vent ports.

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"Contamination is a big problem facing the pump industry, especially when considering the cost of downtime due to pump failures—which can average hundreds of thousands an hour," said John Odenwald, Des-Case Corporation sales engineer. "Pump users, as well as pump manufacturers, needed a way to protect critical pumps from downtime at a moderate cost. By designing a proportional add-on, Des-Case has tailored a solution to address the needs of the market."

Additional features of both products include the incorporation of check valves which provide slight system pressurization, yet allow for controlled breathing without excessive temperature/pressure build-up. The system breathes only when pressured to do so, and then the air is cleaned and dried before it is introduced into the system, ensuring a clean, dry headspace. This control mechanism also prevents premature saturation of the silica gel and extends the life of the breather.

VentGuard breathers, manufactured from engineered plastic and zinc-plated steel, handle changes in air volume caused by thermal expansion and contraction only. Replacing the standard vent plug, the unit incorporates a 3/8" NPT for easy adaptation. Because of the self-adjusting design, VentGuard may be installed on a hot or cold system.

The disposable breather body should be changed when the silica gel color indicator turns from blue to pink, visible through the clear breather casing—or—after one year of service. Periodic visual inspection of the check valves is also recommended to ensure freedom from obstruction. The VG-4 expansion chamber housing will also require periodic replacement that is application dependent.

Des-Case Corporation is a global manufacturing company with the leading position in the breather market. Headquartered in White House, Tenn., the privately held company markets the Des-Case®, Hydroguard™, and VentGuard™ breather brands through an expansive distribution network. The company's products feature designs unparalleled in the marketplace and are used wherever lubricant life and performance are essential to daily operations. For more information, please visit www.des-case.com or call 615.672.8800.

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