



VALVE OPENING FAIL-SAFE SYSTEM

Valves capable of controlling solid and liquid flows

Technological advantages

Robust, failure-tolerant

Since the system has built-in redundancy, it offers great availability.

It guarantees both the opening and closing of a valve under all circumstances, even after a failure.

Minimum complexity compared with existing systems.

Improvement of existing systems





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Valve opening fail-safe system

Summary of the invention

A valve system consisting of two flexible diaphragmtype rings allowing flow of solids or liquids. In case of failure of one of the two rings, the remaining operational ring enables opening and closing of the valve.

Potential applications

Balloons (ballast)

Users of MUCON valves Example: Agrifoods

Commercial advantages

Moderate financial investment
Reasonable cost for unequalled robustness

Gain in productivity

Activity maintained even in the event of one valve failure

Gain in robustness

Patented invention available under licence TRL: 4