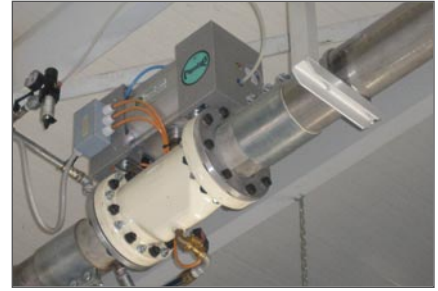# EXPLOSION ISOLATION IN FEEDING LINES

EXKOP II / QV II

The EXKOP system consists of a controller and quench valves. It provides safe and economic and easy explosion, spark and flame front isolation. The quench valve protects interconnect equipment by high speed closure of a fast acting rubber hose.

The valve is triggered by 100% reliable signal from the maintenance-free triple-section rupture disc/panel, the Q-Rohr-3, Q-Box II or by IR, pressure or temperature sensors. The complete system is failsafe due to an integrated pressure storage tank and self-monitoring controller. In case of explosion the plant personnel can reset the EXKOP system quickly and easily after inspection. Plant downtime is reduced to a minimum.

The compact design makes it possible to install the system at any site in any position. Compared with the immense mass acceleration of knife gate valves during closing operation the space-saving quench valve does not require any special supporting structure, e. g. braces or bases.

The EXKOP system ranges from 3" (DN 80) to 10" (DN 250). The rubber sleeve material of the quench valve is abrasion resistant and a special food quality design is available for hygienical applications.

Performance proven isolation of piping with EXKOP II (quench valve and controller): Permanent system availability

ATEX APPROVED SA04ATEX1537X

Quench Valve (QV II)

EXKOP II Controller

CUSTOMER BENEFITS

- Low investment in case of low structural resistance
- Easy and quick reset = shortest downtime in case of actuation
- Existent signals can be cut in (level control)

EXKOP^MINI / QV II

The EXKOP MINI controller is suitable for applications with 1 to 2 quench valves. Two separate inputs (bursting panels, Q-Rohr, spark detectors, etc.) can be combined with two QV II valves.

The use of the system is simple and works alloading to the "one button easy handling" philosophy. As usual all events are recorded by a ring storage memory.

EXKOP MINI installed in the adhesive processing / plastic-compounds industries: Installation in any site, in any optional position!

Air Separation Technologies Inc.