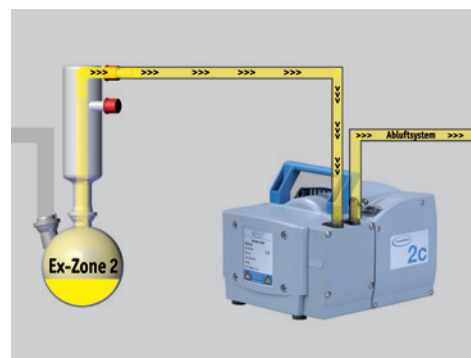


TECHNICAL HIGHLIGHTS

Nearly all VACUUBRAND diaphragm pumps and measuring instruments have been approved for ATEX equipment category 3 in the vapor path

Following a very intensive and comprehensive testing process – according to ATEX Directive 2014/34/EC – VACUUBRAND has now verified that most of its diaphragm pumps and pumping units do not have ignition sources in the internal, wetted parts area, and so meet the requirements of ATEX equipment category 3. This includes capacitive vacuum sensors, measuring devices and solenoid operated valves.

- ◆ applicable for pumping of Ex-mixtures “infrequently” or “for a short period”
- ◆ during normal operation there is no ignition source in the internal, wetted parts area
- ◆ at gas temperatures up to 40°C the maximum surface and gas temperatures in the internal, wetted parts area remain below the limits specified in ATEX temperature class T3
- ◆ for areas with hazardous atmosphere around the pump and for “occasional” pumping of Ex-mixtures the special ATEX pumps for category 2 (inside and around the pump, for example, for Zone 1) continue to be recommended



■ Environment, no Ex-zone
■ Wetted parts Zone 2

The VACUUBRAND stability core principle: for unprecedented long-term performance

VACUUBRAND chemistry diaphragm pumps provide optimum performance and unsurpassed service intervals even in harsh chemical applications. We achieve this unmatched reliability by manufacturing the most highly stressed components – the head cover and clamping disk – in a sophisticated multi-step process.

- ◆ high quality carbon-fiber-reinforced fluoroplastics provide long term chemical resistance
- ◆ this thick-walled, diffusion resistant, molded fluoroplastic is supported by a stable metallic core for durability
- ◆ mechanical precision finishing ensures reproducible VACUUBRAND quality
- ◆ 100 % quality control testing after “run-in” at destination-market electrical voltage

