

The Advantages of the VKP 40 plus / VKP 40 plus Ex

- ▶ Universally applicable for steam traps of all makes and types
- ▶ Graphic presentation of the measurement results in the form of a standing curve
- ▶ Automatic evaluation of the steam trap being tested
- ▶ Integrated temperature measurement for identifying obstructed (banked-up) steam traps
- ▶ User-friendly, convenient PC software for the storage and management of trap-specific data
- ▶ No special knowledge required for the steam-loss reports
- ▶ Clear and informative repair orders can be printed out
- ▶ Data exchange between PC and hand-held terminal with one mouse click
- ▶ Hand-held terminal with a clear user interface ensuring ease of operation
- ▶ Illuminated graphic display
- ▶ PC software independent of country-related Windows versions
- ▶ Test measurements for spontaneous trap testing, including automatic evaluation
- ▶ Degree of protection IP 65
- ▶ VKP 40 plus intrinsically safe as per Ex ib II C T4



Further information on GESTRA test equipment is available for download free of charge at: www.gestra.de

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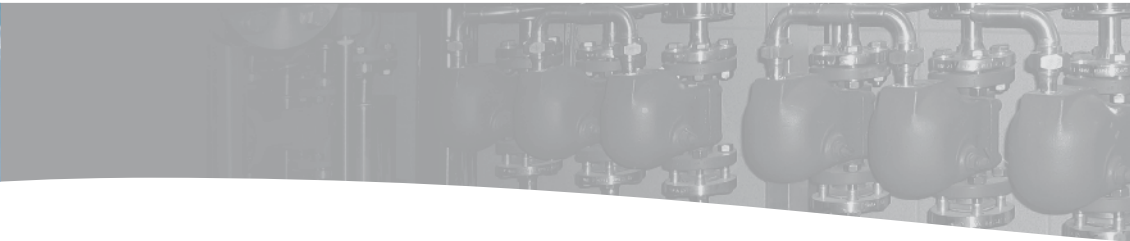
With Energy into the Future

GESTRA

Objective monitoring of steam traps made easy

with the VKP 40 plus / VKP 40 plus Ex





Plant Optimization with the
GESTRA VKP 40 *plus*/VKP 40 *plus* Ex

Securing plant availability

Steam traps form a vital part of the overall production system. Failure of one or more traps will reduce the availability of a process plant and may even threaten to shut down entire subsystems. Checking steam traps regularly with the VKP 40 *plus* or VKP 40 *plus* Ex lets you ensure the optimum level of plant availability.

Maintaining product quality

Well-functioning steam traps are essential for a perfect end product. In today's complex processes, blocked traps immediately lead to waste production. Regular testing of the steam traps with the VKP 40 *plus* or VKP 40 *plus* Ex assures you of the product quality your customers have come to expect.

Cutting costs

Whenever steam is used in production, it results in expenses for fuel, water and the water conditioning. Nowadays, there is also an increased focus on the CO₂ emissions of firing systems; the associated costs can only be estimated at present. If a steam trap is not functioning correctly and allows the steam to be released unused to the open air, the normal operating outlay can also go up rapidly.

Testing with the VKP 40 *plus* or VKP 40 *plus* Ex makes it possible to detect the steam traps that are burning money by no longer closing properly.

Making good use of potential savings

The example below shows how the extra costs due to a defective steam trap causing loss of live steam can mount up over a year:

Cost of steam generation: 30 euros/tonne
Operating hours: 4,000 hours/year
Steam loss per steam trap: 3 kg/hour

Faulty steam traps	Loss per year
1	360 EUR
5	1,800 EUR
10	3,600 EUR
15	5,400 EUR
25	9,000 EUR
50	18,000 EUR
100	36,000 EUR
200	72,000 EUR

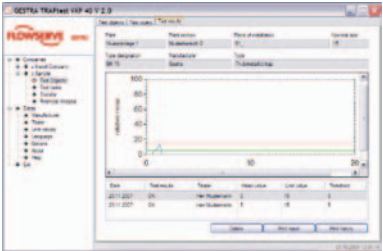
This overview does not consider the other consequences of defective steam traps, e.g. premature wear of pipes, mutual interference between functional and faulty traps, and so on.



VKP 40 *plus*: Data Collector, Measuring Probe and COM Box



VKP 40 *plus* Ex: Data Collector, Measuring Probe and COM Box



Recorded sound curve for a steam trap functioning properly, i.e. without loss of steam



Recorded sound curve for a defective steam trap, i.e. with loss of live steam