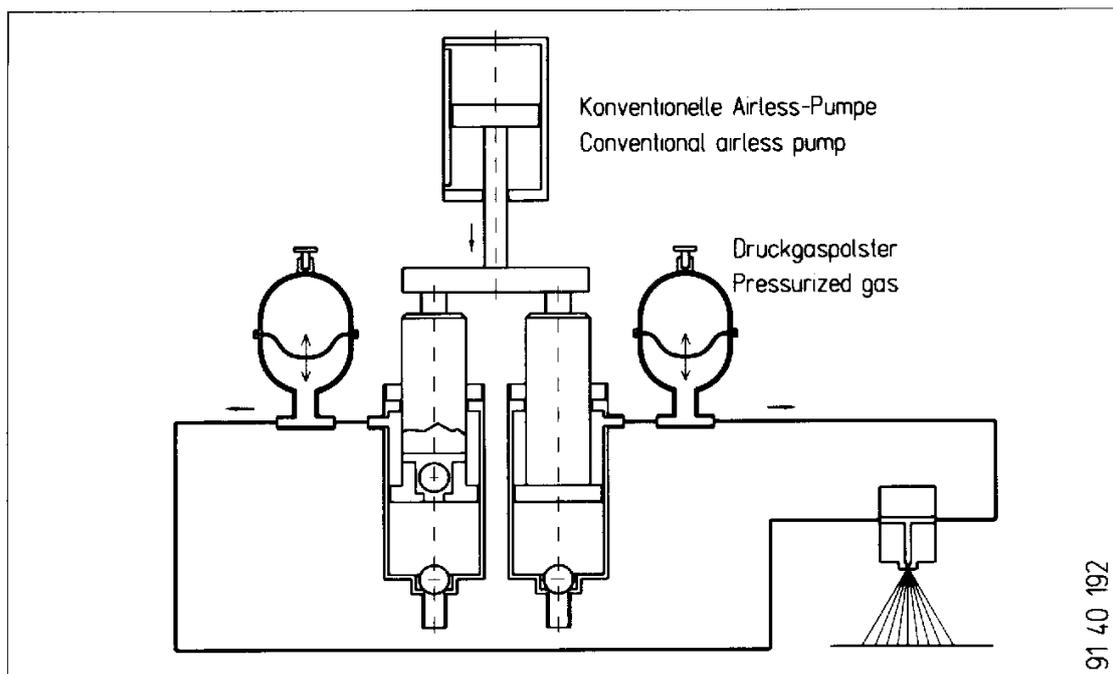


Pulsation dampers on traditional 2-component airless machines

Pulsation dampers which can be available as membrane dampers (refer to drawing) or as pulsation damper hoses represent “weak points” in the system that harbour considerable potential for faulty operation. CONEX[®] pumps from HOFMANN operate in accordance with a principle that allows them to manage **without** pulsation dampers and therefore have rigid characteristic curves. That means the problems encountered with pulsation dampers are an unknown factor in HOFMANN systems.

Machines with traditional airless pumps requiring pulsation dampers do not just encounter problems with abnormalities in line thickness and line width during marking when the dampers are maladjusted. On two-component machines, a few more problems arise.

Instead of just **one** pulsation damper, you now have two to adjust, a task that can cause a few special headaches if the mix ratio is not exactly 1:1.



The capacity of either of the two pulsation dampers can be easily exceeded, in case the relevant of the two basic components has a considerably higher viscosity as the other one, which in practice occurs from time to time (e. g. in the premixed component as a result of a gradual slow reaction).

Roadmarking operators, who work with conventional as well as with HOFMANN machines informed us that - with regard to above mentioned problems - the operation of a HOFMANN machine immediately put things right.

Anyway, with 98:2-machines of HOFMANN the problem regarding viscosity discrepancies of two basic components does not exist.

Whenever one of the delivery flows deviates from the norm, the required mix ratio is adversely influenced, bringing with it corresponding disadvantages for line marking quality.

If one of the components avoids for a short time the delivery flow of the other to the spraygun, it means that, for even a short time, that other component will play absolutely no part in the marking process, i.e. a few cm line marking will not be able to harden.

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