

DKM Double Diaphragm Shock Absorber (D.D.S.A.)

Alternative displacement pumps can generate pulses and classical means exist to reduce this phenomenon to a reasonable level. The most well-known is the bottle system with built-in preinflated bladder.

Although undoubtedly efficient of such equipment, the resistance of these shock absorbers to mechanical and chemical aggression is relatively low.

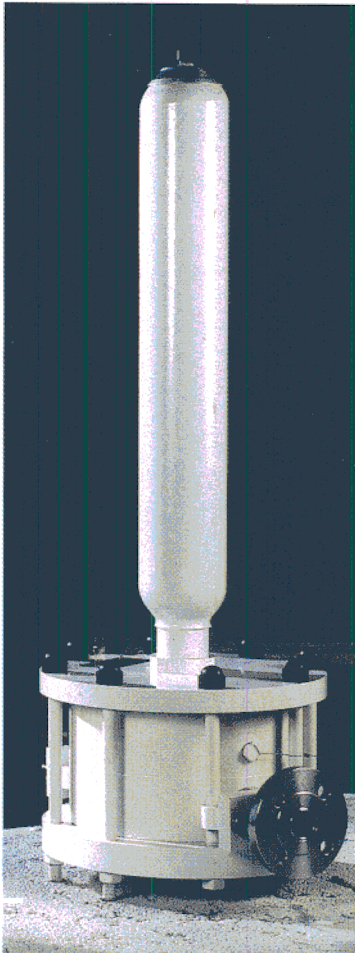


Photo: DKM

Faced with the range of products that DKM has been asked to pump, we have developed an exclusive device, which protects a standard shock absorber from corrosion and abrasion.

The technical advantages are as follows:

- The pulses are transmitted hydraulically to the shock absorber.
- The diaphragm rupture detection systems (sandwich or by resistivity variation) are still applicable.
- The materials in contact with the fluid transported are identical to those used on the pump: PTFE-coated nitrile diaphragms, or metal diaphragms, shock absorber chamber made from stainless steel, hastelloy, uranium,

titanium or plastic (PVC - PPH - PVDF), etc.

- Mounting from the pump delivery can be horizontal or vertical.
- Grid transparency and diaphragm flexibility ensure the same efficiency as when the shock absorber is mounted directly on the product.
- The shock absorption chamber can be cooled or heated without problem. (To allow normal running at high temperatures, a finned cooler is fitted in between the bladder bottle and the separator).
- Measurement devices can be fitted on the hydraulic part of the separator (pressure and/or temperature sensors), well out the danger from corrosion or abrasion phenomena.

DKM's Double Diaphragm Shock Absorber

CLETRAL DKM

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