



NEW **HIDRACAR** ACTIVE PULSATION DAMPENER AUTOMATIC PRE-CHARGE ADJUSTMENT FOR **AOD PUMPS** AND APPLICATIONS WITH **PRESSURE VARIABILITY**

HIDRACAR, always willing to promote the design of new products satisfying our customers' requirements, has developed new **ACTIVE DAMPENERS**.

We have designed our **ACTIVE DAMPENER** for those applications in which working pressure is variable. It is the perfect pulsation dampener match for **AOD PUMPS**.

The new **ACTIVE DAMPENERS** incorporate an active valve which is connected to a pressurized air line. The valve regulates the dampener pre-charge automatically as function of the working pressure in place.

HIDRACAR ACTIVE DAMPENERS have the separator element between air and process liquids made in **PTFE**. We have it available in **BELLOWS DAMPENERS** and also in **MEMBRANE DAMPENERS** which sizes and materials are indicated below:

- **ACTIVE PTFE BELLOWS DAMPENERS.** 3 available sizes.
F015 with 1.5l, **F030** with 2.6l and **F060** with 5.6l.
Wetted parts choice options: AISI316L, PVDF, PTFE, PVC, others available under request.
Incorporates PTFE bellows
- **ACTIVE PTFE MEMBRANE DAMPENERS.** 3 available sizes.
M012 with 1.1l, **M030** with 2.5l and **M060** with 5l.
Wetted parts in: AISI316L, others available under request
Incorporates PTFE membrane

OPERATION PERFORMANCES:

- ✓ **Active valve** seals are only in movement when working pressure changes. It provides a large life time for seals. When the active valve seals will require replacement, it will not be necessary to dismantle the dampener from the circuit. Instead, it will only be necessary to extract the active valve.
- ✓ **Active valve** air release port is connected to a special **purge valve**. In case of bellows/membrane rupture, the liquid will not go out trough the venting port.
- ✓ **Active dampener** can be fitted with a **pressure gauge** on the top to control circuit pressures.



Picture: Active dampener cycling test for durability verification