

# aerospace liquid pulsation dampener



## APPLICATION



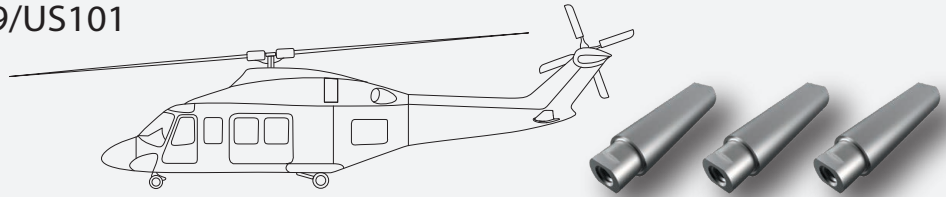
PULSCO's Aerospace Liquid Pulsation Dampener is designed to provide the best attenuation of pulsation and reduce vibration and noise in hydraulic systems caused by hydraulic motors and pumps. Typical pumps produce pulsations as high as **20%** of system operating pressure and are created at frequencies related to the system speed and configuration. The pulsations propagate through fluid columns within hydraulic lines and are a principle cause of airborne noise. Additionally, the attendant vibration on system components can damage piping or tubing and even lead to system failure.

## BENEFITS

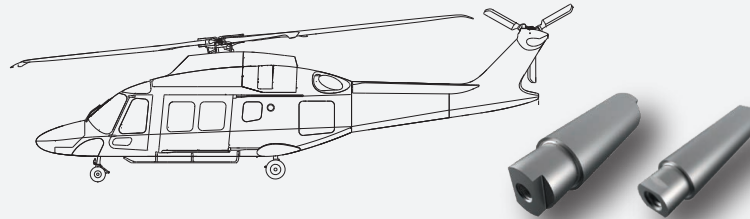
- Greater than **90%** reduction in pulse amplitude at any operating pressure or flow rate.
- Designed for any required pressure drop and will continue to attenuate pulsations down to zero flow.
- Reduction in pipe radiated noise by **20dB** or greater provides quieter environment.
- Flexibility in combining length, diameter and nozzle locations and can be installed in any position.
- Fabrication from high strength materials for substantial weight reduction.
- No moving parts, no gas charge, no system maintenance cost, thus prolonged system life.

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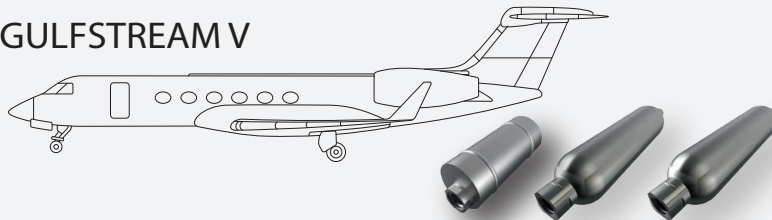
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(FAA-PMA) PQ233NM



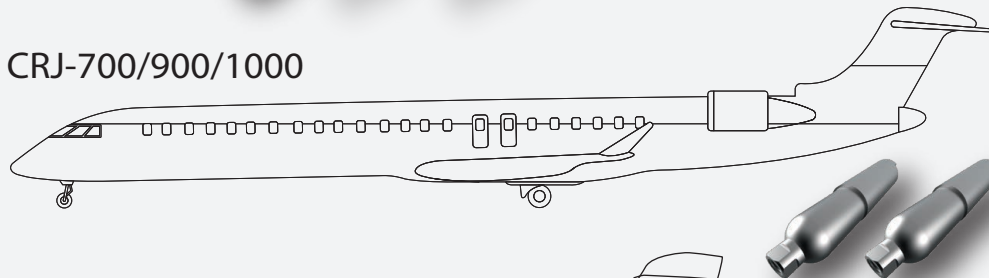
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**GULFSTREAM V**



**BOMBARDIER CRJ-700/900/1000**



**ALENIA/LEONARDO ATR 42/72**



**BOEING 737 300-900, MAX SERIES**  
(FAA-PMA) PQ233NM

