



HIDRACAR S.A.

QUESTIONNAIRE TO CALCULATE THE ADEQUATE PULSATION DAMPENER FOR DOSING PUMPS

(Once filled, please return to **HIDRACAR**)

| | |
|----------------|------------------------------|
| Company: | Telephone: Ext.: |
| Address: | Fax: Date: |
| | Contact person: |
| | Your Ref.: |
| | E-mail: |

Number of pump pistons:

- Simple effect
- Double effect

Maximum crankshaft speed: r.p.m.
 Minimum crankshaft speed: r.p.m.

Crankshaft angle between pistons:

Flow rate for maximum r.p.m.: litres/h.
 Flow rate for minimum r.p.m.: litres/h.

WORKING PRESSURE for:
 Maximum flow rate: bar
 Minimum flow rate: bar
 Liquid pumped:
 at °C
 Liquid viscosity at working temp.: °E

Max. environment temperature: C°
 Min. environment temperature: C°

Does it need a double jacket to separate a heater liquid inside the pulsation dampener? If so, please give full details about the heater fluid:

Are there any abrasive particles present?
 Please, detail them:

Residual pulse admitted: +/- %
 (Maximum and minimum pressure accepted in percentage of the mean working pressure. Example: if the mean working pressure is 10 bar and the percentage of admitted residual pulse is 2%, then the pressure peak to peak should be 10 +/- 2% = 10,2 and 9,8 bar).

Our standard connections are: thread female BSP, if others are required, specify.

If wall thickness calculations are needed, please, indicate the code required:

ASME AD 2000

If the pulsation dampener is needed by a suction port,
 NPSH..... m.L.C.

For air drive pumps:
 Piston stroke: mm
 Piston diameter: mm

NOTES:

