



# Gas Pulsation Dampener

REQUESTED BY:

USE A SEPARATE SHEET FOR EACH APPLICATION

DATE:

**TO:** PULSCO, Inc.  
17945 Sky Park Circle, Suite G  
Irvine, California 92614  
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**FROM:**

**ATTN:** Engineering Department (engineering@pulsco.com)

**CONFIGURATION:**

Compressor Type: \_\_\_\_\_ Model: \_\_\_\_\_ Stroke: \_\_\_\_\_  
Speed, rpm Max: \_\_\_\_\_ Min: \_\_\_\_\_ Design: \_\_\_\_\_ Number of Cylinders per side: \_\_\_\_\_  
Distance between Cylinders: \_\_\_\_\_ Crank Angle between Cylinders: \_\_\_\_\_

If applicable, please provide as much of the following data as possible.

**SERVICE CONDITIONS:**

Stage				
Service	Suction	Discharge	Suction	Discharge
Gas (type)				
Sp. Gr. or M.W.				
Cp/Cv = K Value				
Pressure, psia				
Temperature, °F				
Compressibility, Z				
Flow Rate SCFM				

**COMPRESSOR INFORMATION:**

	Suction	Discharge	Suction	Discharge
# of cylinders per stage				
Dbl. or Sgl. Acting				
Bore, inches				
Stroke, inches				
Nozzle Size				
Flange Rating				
Line Nozzle Size				
Flange Rating				
Clearance Volume*				

\* If there are a number of load steps, attach a separate sheet with significant conditions requiring analysis.

**DESIGN SPECIFICATIONS:**

	Suction	Discharge	Suction	Discharge
Pressure Drop				
Residual Pulse %				
Design Pressure, psig				
Design Temperature, °F				
Code Requirements				
Corrosion Allowance				
Radiography Requirements				
Material Type				
Inspection Openings				
Other Connections				
Supports Required				

**DIGITAL SIMULATION INFORMATION (for API Design Approaches 2 & 3):**

Please submit any information related to compressor passages and piping including, but not limited to, the following:

	Suction	Discharge	Suction	Discharge
Pipe Diameter, inches				
Pipe Wall Thickness, inches				
Pipe Length, inches				

Please attach any related drawings and piping diagrams.

**COMMENTS (SPECIAL REQUIREMENTS, ADDITIONAL DATA, ETC):**

**INTERNAL USE ONLY**

<b>PULSCO:</b>	_____	_____
Design / Project ENGINEER	_____	_____
ENGINEERING MANAGER	_____	_____