

Water Hammer Alleviator. Pump Startup Surge Preventor. Pipe Shock Attenuator RFQ

Form for submitting your application requirement to reduce pipe shock, water hammer, and pump startup surge, to receive a quotation for hardware from: www.shockguard.co.uk & shock-guard.com

ShockGuard The Large Pipeline Shock Prevention People for 40 years.

For fastest response, please print this form, fill out hardcopy, and fax to USA 910-270-0320 or international --44(0)161-480-9627

A. Contact Information

REQUIRED FIELDS ARE DENOTED BY AN ASTERISK *

Company *	<input type="text"/>	Telephone Number *	<input type="text"/>
Contact Name *	<input type="text"/>	Fax Number *	<input type="text"/>
Position	<input type="text"/>	Email Address	<input type="text"/>

Physical Address

Street / Box Number *	<input type="text"/>	State / Province, Etc. *	<input type="text"/>
Additional Info.	<input type="text"/>	Postal / Zip Code *	<input type="text"/>
Town / City Name *	<input type="text"/>	Country *	<input type="text"/>

B. Liquid

Viscosity cP (@ Pumping Temp) *	<input type="text"/>	Specific Gravity SG (Grams / cm3) *	<input type="text"/>
Flow Rate *	<input type="text"/>	Frequency (Hz) Cycles per Second	<input type="text"/>
Operating Pressure *	<input type="text"/>	Acoustic Velocity (M/s)	<input type="text"/>
Operating Temperature *	<input type="text"/>	Minimum Design Metal Temp. MDMT *	<input type="text"/> F
		Design Temperature *	<input type="text"/> F

C) System Information

If In Doubt Please Call USA 1-910-270-2737 UK --44(0)161-480-9625

Mass that is in Motion Internal Diameter of Pipe (Or average)

Internal Diameter of Pipe (Or average) * Inch

Length of Pipe Run (From Pump or Main) See X below * Feet

Mass Velocity, EX/EG kg/sec *

Time (Seconds) for Mass Acceleration or Deceleration (See Y below) *

Theoretical Steady State Pressure in motion * PSI

Compatible Materials of Construction

Liquid Wetted Metal Parts	<input type="text"/>
Liquid Wetted Plastic Parts	<input type="text"/>
Liquid Wetted Elastomer Parts (Synthetic Rubber)	<input type="text"/>

Externals

Preferred Outer Housing	<input type="text"/>
Paint or Coating Spec.	<input type="text"/>

Connectivity

Connection Size	<input type="text"/>
Connection Type	<input type="text"/>
Connection Rating	<input type="text"/>

Items that reduce the peak pressure generated

And accordingly the size and cost of your alleviator / attenuator / hammer reducer / Stabilizer / Absorber / Protector :-

Elasticity of the pipe wall - Pipe Modulus (Pascals -Pa)

With Pipe Wall Thickness

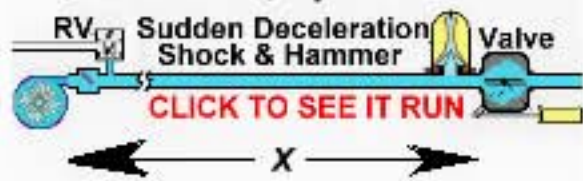
Pressure loss (drop) form cP & SG (listed above)

Compressibility of the fluid (EX Water 50e10⁻⁶)

APPLICATION TYPE Please State 1, 2, or 3 (or 4 = Other) *

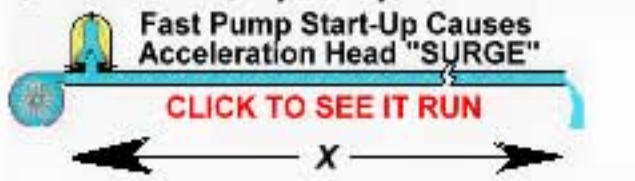
1) Fast Valve Closure Shock

Y Seconds, open to closed.



2) Pump Start-Up Surge

Y Seconds, Spin Up to Full RPM



3) Pump Stop, Back-Flow Implosion

Reverse Flow Void Collapse



D) Absorber Preference

For:- Type of Pump Start-up Surge Reducers, Water Hammer stabilizers, Valve Closure Shock Alleviators

			
For Corrosive Liquids	For Non-Corrosive Liquids	For Above 2000 Liter Bladder Types	For High and Low Temperature Systems
CLICK TO RUN	CLICK TO RUN	CLICK TO RUN	CLICK TO RUN
Designation :SUG	JOF	FLOT	BELO

Please enter the type designation for your choice of system protector.

Sign

Date

E) OBJECTIVE Reduce the maximum pressure generated to : *