

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 / cm ³)	*	<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"/> C
			Design Temperature	*	<input type="text"/> C

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)

Pipe wall thickness

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

Mass Velocity, EX/EG kg/sec

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

Theoretical Steady State Pressure in motion

* mm

* M

*

*

* kgCm⁻²

Compatible Materials of Construction

Liquid Wetted Metal Parts

Liquid Wetted Plastic Parts

Liquid Wetted Elastomer

Parts (Synthetic Rubber)

Externals

Preferred Outer Housing

Paint or Coating Spec.

Connectivity

Connection Size

Connection Type

Connection Rating

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

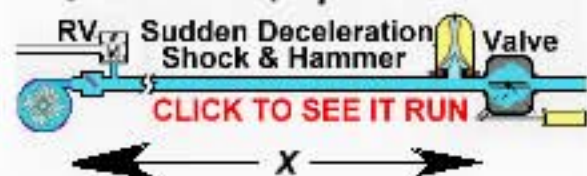
Pressure loss (drop) form cP & SG (listed above)

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

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

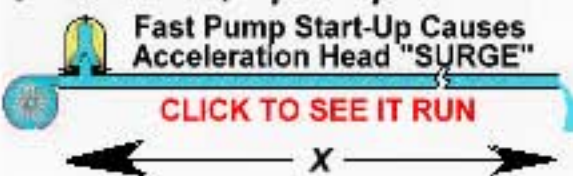
1) Fast Valve Closure Shock

Y Seconds, open to closed.

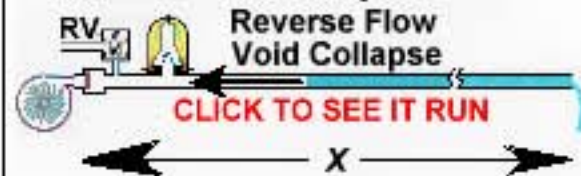


2) Pump Start-Up Surge

Y Seconds, Spin Up to Full RPM



3) Pump Stop, Back-Flow Implosion



D) Absorber Preference

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

							
For Corrosive Liquids	For Corrosive Liquids	For Non-Corrosive Liquids	For Non-Corrosive Liquids	For Above 2000 Liter Bladder Types	For Above 2000 Liter Bladder Types	For High and Low Temperature Systems	For High and Low Temperature Systems
CLICK TO RUN	CLICK TO RUN	CLICK TO RUN	CLICK TO RUN	CLICK TO RUN	CLICK TO RUN	CLICK TO RUN	CLICK TO RUN
Liquid in Bladder	Liquid outside Bladder	Liquid outside Bladder	Liquid outside Bladder	Float in Pipe	Float in Pipe	Liquid in SS Bellows	Liquid in SS Bellows
Designation :SUG	JOF	JOF	JOF	FLOT	FLOT	BELO	BELO

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

Sign

Date

E) OBJECTIVE Reduce the maximum pressure generated to : *