ShockView

PROGRAM INPUT DATA

PREVENTION OF PUMP START-UP SURGE & FAST VALVE CLOSURE SHOCK

Return by fax to: USA 910-270-2739 or UK --44 (0) 161-480-9627

TIME/SPEED OF PUMP RUN-UP, FAST TIME/SPEED OF VALVE CLOSURE AND OTHER INFORMATION REQUIRED TO ENABLE LDi'S "SHOCKVIEW" COMPUTER PROGRAM TO BE RUN & ESTABLISH THE VOLUME OF PREVENTOR REQUIRED FOR YOUR APPLICATION:

Density of Liquid (SG)		g/cm3	e.g. Water = 1.00
Compressibility of Liquid		Lt/Bar	e.g. Water = 50e6
Viscosity of Liquid		CP	e.g. Water = 1.00
Internal Diameter of Pipe		Mm	
Wall Thickness of Pipe		Mm	
Pipe Length		M	
Bulk Modulus of Pipe Material		Pa	e.g. Steel = 2e11
Inlet Steady State Pressure		Bars	
Prefill Pressure (to be established by LDi)		Bars	
Maximum Allowable Pressure in system		Bars	
Inlet Steady State Mass Flow Rate		kg/s	
Valve Closing Time / Pump Run-up Time		S	
Amount of Shock to be Removed		%	

INFORMATION REQUIRED TO SUGGEST THE MATERIALS OF CONSTRUCTION:

Note: We are not compatibility specifying engineers.

Liquid Description + Concentration	
Operating / Design Temperature	
Design Pressure	
Connection Type, Size, Rating	
Other Relevant Information	

CONTACT INFORMATION:

Company	
Contact	
Email	
Phone	
Fax	