

# DISC SIZING INFORMATION SHEET

## LITHIUM ION BATTERY APPLICATIONS

Type in your answers in the spaces provided or use the drop down menus for the required information

Design Variable	Value	Units
<b>Operating pressure</b>		

Pressure the system runs at under normal operating conditions

<b>Burst pressure</b>		
-----------------------	--	--

Pressure the disc will burst at

<b>Operating temperature</b>		
------------------------------	--	--

Temperature the system runs at under normal operating conditions

<b>Burst temperature</b>		
--------------------------	--	--

Temperature the media will be at time of burst

<b>Required flow</b>		
----------------------	--	--

Quantity of volume per unit of time

<b>Flow velocity</b>		
----------------------	--	--

Speed of substance through flow area

<b>Back pressure</b>		
----------------------	--	--

Pressure on outlet side of disc

<b>Desired disc opening size</b>		
----------------------------------	--	--

What opening size do you believe is needed?

<b>Max. allowable footprint</b>		
---------------------------------	--	--

Maximum size to work with

<b>Max. protrusion allowed</b>		
--------------------------------	--	--

Maximum allowed protrusion from the face of the equipment

Design Variable	Answer
<b>Will the system cycle?</b>	

Will the disc see regular fluctuations of pressure?

<b>Disc material</b>	
----------------------	--

<b>Non-fragmenting</b>	
------------------------	--

Do you require a fragmenting or a non-fragmenting disc?

<b>Desired mounting</b>	
-------------------------	--

How do you want to mount the unit onto the equipment?

<b>Estimate annual usage</b>	
------------------------------	--

EAU

<b>Gasket material</b>	
------------------------	--

Required gasket material

<b>Industry certifications</b>	
--------------------------------	--

Do you require any product or industry certifications?



**C. Emery Nelson, Inc.**

INDUSTRIAL AND POWER PLANT EQUIPMENT

7631 Commerce Street, Hamel, MN 55340  
Ph: 763/ 420-3844 Fax: 763/420-2542