<u>Applicatio</u>	on for N	ational B	oard Certif	icat	ion of a	Press	<u>ure Relie</u> t	<u>f Device Design</u>		
		and Au	thorizatior	to to	use the '	'NB"	<u>Mark</u>			
<u>Part 1</u> – General Inform	nation									
Company Name:										
Physical Address:										
Application Type:	Initial Dev	ice Certification		Transfer of Authorization						
(Choose One)	Renewal (Certification	tification				Reinstatement o	of Expired Certification		
	Design Type Scope Change – Description:									
Capacity Certification Nu	ımber (not	required for	new design types	;):						
Applying as: (Choose one	-	-								
Man	ufacturer		Press	Pressure Relief Valve			Ruptu	re Disk Devices		
Asse	mbler	OF:	Pin D	evices			Spring	Actuated Non-Reclosing Devices		
L										
Model Number/Model S	eries:									
	(Mar	nufacturer's Seri	es or Catalog Numb	er or lo	lentification)					
Designed by: (Manufactur	er's Name)									
Certified Medium:	,									
Capacity:		Steam	Air		Gas		Liquid	Saturated Water		
		(No	te: Liquid fluid scop	e PRVs	are certified s	eparate fr	om Steam, Air, o	or Gas)		
Flow Resist	Flow Resistance: Compressible (Krg)				Incompre	ssible (Kr	1)	Both (Krgl)		
ASME Designator:	v	HV	NV \rightarrow Class	1	2	3	MC			
	UV	UD	UD3							
Code Case(s):										
we certify that devices of	the above		will be manufac lational Board a				cordance wit	th the Construction Code and our		
(Signature of Company Repre	(contativo)				(Data of Sign	atura)				
(Signature of Company Repre	esentative)				(Date of Sign	ature)				
(Printed Name of Compar	W Represen	tative)			(Email of C	mnany	Representative	٥		
i micea manie or compar										

Please Note: An incomplete/improperly completed application may delay the processing of this request. Please be sure your form is complete before submitting.

or

The National Board

1055 Crupper Avenue

Columbus, Ohio 43229-1183

Submit completed form to:

prd@nbbi.org

Part 2 – Scope of Design (to be completed by Manufacturers only)

Α.	Device Manufacturer:					Туре/	Model:				
	Plant Location:										
в.	Device Type: (1) Reclosing Types: (choose one)	Safety Valve			Safety Relief Valve		Relief Valve		Pilot Operated Pressure Relief Valve		
	(********	Tempera	Temperature Actuated Pressure R			e Relief Valve Vacuum Reli			ief Valve Power Actuated		
		Other:	ir:								
	(2) Non-Closing Types: (choose one)	I	Rupture Disk	Device	Buckl	ing Pin Device	Brea	iking Pi	Other		
	(3) Special Service Conditions: (Check all that apply)		None		Econo	omizer Service	Orga	anic Flu			
		I	Low Pressure	e Steam I	Heating Boilers (15 p	osi) Non-Re	efrigerated Liq	uified	es (20% O.P.)		
		I	Forced Flow Steam Generator or High Temperature Water Boilers (10% BD)								
C.	C. Set Pressure Definition: (Check all Popping Start-to-Le		11 //	Initial Au	dible Discharge	Bubble	First St	First Steady Stream		First Heavy Flow	
	Burst Pressure Bu	ckling Press	ure	Breaking	Pressure	40 cc/min	Other:				
D.	Blowdown Characteristics Fixed	s: (Check all t Adjustable		ustable and Fixed fo	r Modulating Pilot	N/A					
	Adjustable by:	Single Ring	g	Dua	al Ring	Other:					
Ε.	Flow Area Configuration:	I	Nozzle/Full L	.ift	Curtain Area	Restricted	Lift	Min	imum Net Flow A	Area Annulus	
F.	Scope of Nominal Size and	d Set Pres	sure Range	s: (For a	additional sizes, at	ttach supplementa	al sheet)				
	Inlet Size(s) Outlet Size		Size(s) Flow Area		Orifice Designator	Orifice Diameter	Lift		Set Pressure Range	Media – Code Designator(s)	
	*For Rupture Disk devices, lis	st minimum	net flow.								
G.	Materials of Construction	1:									
				F	Part Key: H=Body/Hold	er; B=Bonnet; Y=Yoke					
	Key Type	Gra	de	Кеу	Туре	Grade	Кеу		Туре	Grade	
						-!		4	!		
н.	Design Drawing/Specifica	ition Num	ber and Re	vision L		current parts list with m	naterial specifica	tions an	d drawings)		
I.	Design Options: Describe op	tions and var	iations which	will be inc	luded (i.e. bellows, seat	t configuration, lifting le	ever option, etc.)				
J.	Test Medium: Ste	eam	Air		Gas	Liquid	Wat	er			
к.	Certification Method:										
	Flow Capacity Rating by	y :	Single Valv	9	3-Device	4-Device	Coeff	icient c	of Discharge (Kd)		
	Single Size Resistance F	actor Ratin	g:	K_{RG}	K _{RGL}	K _{RL}					
	Three Size Resistance F	actor Ratin	g:	K_{RG}	K _{RGL}	K _{RL}					
L.	Certification Rating Value	e with Unit	of Measu	re:	Value:	Units:					
м.	(Renewals Only) Check or	nly one box	x:								
	We Certify the flow p	bath and p	erformance	e of this	design have not b	een changed.					
	Changes as attached	have beer	n made to t	his desi	gn (attach supplen	nent).	(Signature)			(Date)	

Part 2S-1 – Supplement Scope of Design (For Rupture Disk Devices Only)

(Discard this page for Pressure relief valve)

Α.	Devi	Device Manufacturer:										
	Plant Location:											
	Devi	evice Type/Model:										
	Holder Type/Model:											
_												
В.	Disk Type:											
	(1) Loading: Conventional Domed				(Forward acting, t	tension load	ded)					
				Conventional Flat								
				Reversed Domed								
				Other (Describe in Co	omments below)	nments below)						
	(2)	2) Seat Configuration:			Flat Angle		Sanitary			Other (Describe in Comments below)		
	 (3) Opening Characteristics: a) Predetermined Opening: b) Minimum Number of Petals: 			None Slot			ne (Compos	site)				
				Cross Scored	Circular Scored			Other (Describe in Comments below)				
				Full Bore	1	2	3	4				
					Other (Describe i	in Commen	ts Below)					
	(4) Auxiliary Elements:		Liner	Knife Blade			Vacuum (Back Pressure) Support					
				Teeth Ring Hin			te		Support (Protective Ring)			
					Other (Describe in Comments below)							
	(5) Disk Materials and Construction:				Solid Metal				Graphite Mono Block – Recessed Upstream			
					Composite				Graphite Mono Block – Recessed Downstream			
					Other (Describe i	in Commen	ts below)		Graphite I	Mono Block – Recessed Both Sides		
C.	Hold	er:	None		Full Bolted			rt – Pre-Loa	ded			
	Threaded Union Style			on Style	Insert Sing			Single Use Device				
Other (Describe in Comments below)												

D. Comments: