

	General	Item No.	3-PSR-1611A/B/C, 3-PSR-1621A/B/C, 3-PSR-1631A/B/C 3-PSR-1641A/B/C	
		Service name	3-E-110A/B/C/D	
		No. required	3 RD per STV (Total 12 RD for 4STVs)	
1		Model No.	12"SRB-7RS 300# (Note 3)	
1		Manufacturer	BS&B (Note 3)	
1		Type	Rupture Disc: RLS, Safety Head: SRB-7RS (Note 3)	
	Process data	Fluid name (Note2)	EG- water (36wt%)	Natural Gas
		Density, kg/m3	1053 @ 16°C	9.099 (@ 0°C and 10barg)
		Viscosity, Cp	2.75 @ 16°C	0.0105 (@ 0°C and 10barg)
		Molecular weight	24.2	18.01
		Temperature Relieving °C	-20 to 16	-161 to 16
		Design temperature, °C	-165 to 60	-165 to 60
		Flow rate, kg/hr per RD	4717742	40766.13
1		Type of relief	Liquid	Gaseous
1		Calculated Area, inch ²	68.0837 (Note 3)	12.208 (Note 3)
		Back Pressure, barg	0.647	0.74
		Pressure Min /Normal, barg	2.2 / 3.5	
		Relieve Pressure, barg	10	
1		Burst pressure tolerance	+/- 5%	
		Construction	Disk Material	SS316
	Connection→			
	Inlet flange→		Note1	
1	Size and Rating		12" ASME 150# WN-RF (Note 3)	
	Material		SS304	
	Outlet Flange→		Note1	
1	Size and Rating		12" ASME 150# RF (Note 3)	
	Material		SS304	
	Holder→			
	Type		By vendor	
1	Size and Rating		12" ASME 150# RF (Note 3)	
1	Material	SS304		
	Code and Standard	ASME Sec VIII Div.1		
1	Notes: 1. As per piping specification. 2. Rupture disk to be designed to relieve above two cases (EG-water and Natural Gas) 3. Vendor information.			