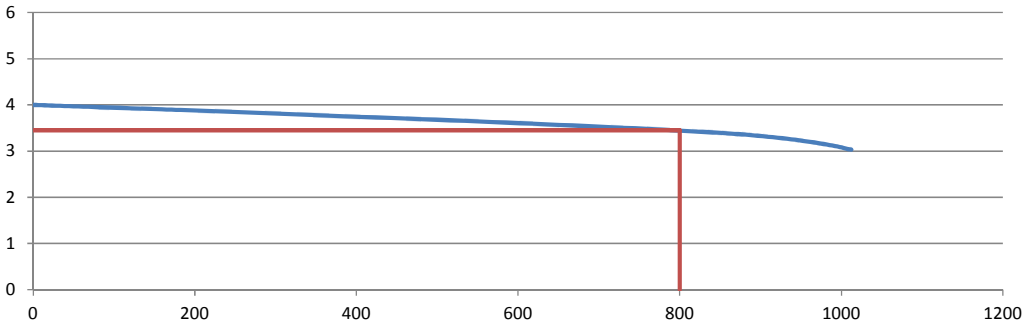
		PRV Specification Sheet			
Date	29.01.2019	Quotation Ref	-	Prepared By	Dariusz Bucholc
Sheet	-	Revision No	-	Email	dariusz.bucholc@pl.spiraxsarco.com
Quantity	-	AO Number	-	Telephone	-
Customer	-			Order Number	-
Project Type	-			Location	-
Project Name	-	Project Ref	-	Job Name	-
Model Code	DN25 DRV7B4 PN 16			Tag No	-
PRESSURE REDUCING VALVE SECTION					
Service Application	-		Hazard Area Class	-	
Pipe Material	-		Ambient Air Temperature	-	
SELECTED PIPE SIZE & VALVE INSULATION					
Pipe Inlet / Designation	2"DN50 / Not Applicable		Insulation	Thermal	
Pipe Outlet / Designation	2 1/2"DN65 / Not Applicable		Thickness	100mm, 4 in	
PROCESS DATA					
Media	Dry Saturated Steam		Maximum Flow	1.012,3 kg/h	
State	Gas		Minimum Flow	101,2 kg/h	
Mass Flow	800,0 kg/h		Percent Lift	53,00 %	
Volumetric Flow	191,97 m³/h		Flow Rangeability	10:1	
Inlet Pressure	7,00 bar gauge		Flow Turndown	7,9:1	
No Load	4,00 bar gauge		Safety Valve Set Pressure	4,56 bar gauge	
Flowing Set Pressure	3,45177 bar gauge		Noise Prediction	84 dB(A)	
Inlet Temperature	170,5 °C		Power Ratio	0,38	
Normal Temperature	0,0 °C		Sigma	-	
Fluid SG	-		SigmaMR	1,535	
Vapour Pressure	7 bar gauge		Cavitation	None	
Viscosity	0,0000147 Pa s		Outlet Velocity	173,62 m/s	
Critical Pressure	219,63 bar gauge		Outlet Mach	0,34	
Critical Temperature (Tc)	373,9 °C		Upstream Pipe Velocity	22,86 m/s	
Specific Heat Ratio	1,3		Downstream Pipe Velocity	21,96 m/s	
Compressibility (Z1)	0,93918				
DROOP GRAPH					
			X = Flow (kg/h)		Y = Pressure (bar gauge)
			0,00	4,00	
			182,20	3,89	
			346,20	3,78	
			498,10	3,68	
			634,70	3,58	
			759,30	3,48	
			863,00	3,38	
			921,20	3,29	
			961,70	3,20	
992,10	3,11				
1012,30	3,03				
PRODUCT DETAILS					
Model Code	DN25 DRV7B4 PN 16	Bellows Material	-		
Product Code	0	Diaphragm Material	EPDM		
Valve Range	DRV	Piping	-		
End Connections	PN 16	Water Seal Pot	WS4 DN10 Butt Weld		
Body Material	SG Iron	Pressure Sensing	-		
Electric Override	-	Actuator Spring Range	2.0 - 5.0		
High Temperature Version	-	Air Loaded Pilot	-		
Seat Type	Stainless Steel	-	-		
-	-	-	-		
CERTIFICATION					
Hydrostatic Test	No	Functional Test	No		
MESSAGES					