



Allnex, is a leading global producer of coating resins and additives for architectural, industrial, protective, automotive and special purpose coatings and inks.

Group-IPS gave its service to Allnex for the creation of an index of pressure safety valves, PSV. This includes the control on site, the sizing and the documentation of the PSV. The Index was based on SEVESO standards.

Pressure Safety Valves

Allnex Belgium SA/NV, Belgium, 10/2016 - 03/2017

CHEMICALS

PROJECT REALIZATION

BELGIUM



Principal project data

Index creation of the pressure safety valves on site

Scope IPS

Project Realization

- Safety control
- Sizing
- Documentation

IPS operational unit(s)

■ IPS Belgium sa



Allory Spe	ecification Sheet -		Arelste Date	
		Tech ID		
SAP Functional Lecation		775W757	Preduct I Medium in protect Nitrogen	
	PMD	/EAVEUS/		
Commissioning date	PMD 180117 Ninoge		Location description	
		HWC GHO	Nitogen antier PU PSV Connection	
Design of Protected eq		Tax -		
Equipment type (Tankfvessel or Piping) [1] Design pressure or MXVP (sarg) [1]		Piping 25	PSV convention (sovered or Ear CN Intel	
Design Temperature (TC)		100	CNOWN	
Waking/herrore (barg)		4	PSV protected by anapture disk (
		30	Single or multiple valve installate	
		NO	First / Additional I Supplemental is	
Relief conditions			Product properties at relief of	
		[2	Producté faidure (used for calcula	
Retired Flow Fate (light or hinderin () IFC & 10025 P		PS WEEKED	State (Liquid or Grad) (*)	
Pressure days - PSV Pipe Intel (berg) [*]		0	Holeoular mass (ghnd)	
Felial Temperature [10] [1]		20	Liquid density [kghn*]	
Sekpresie: PS/Plaing Outel (best 11		1	Liquid risconity (d ²)	
Ambient Temperature (10)		300	Beling point [T]	
Consolve service		140	Vapor density (kglm?)	
Calculated PSV Design			Flash point (*E)	
Fire-Case (*)		NO NO	Latent heat of vaporization (JRg)	
Coefficient of discharge Kd [f]		6.2	Ratio of specific heats (-)	
Calculated Blane Sixting (1979)		90,0905075	Cirical flow pressure sale	
Calculated PSV Designation		F	Compressibility at retirring sand	
Varse case scenario				
Manifestational Date Manifestation	arad nine sp Cverve			
		Nezgodia		
Model Secol Marcher		30.1		
Type lipzing "balanced be	east, besset stand se	at some		
Stee sizing (nan/)				
Coefficient of Dispharge, Ko		1.3		
	Body			
	Soring			
	Soring Seef			
	Soring			

