

Document No:

19208-M-DTS-02-A (Inbal Valve).docx

Rev:

0

Job Number:

19208

Sheet:

1 of 2

Compiled By:

Process:

R. Thomson

Date:

26/04/2021

Mechanical:

R. Thomson

Date:

26/04/2021

Electrical:

C. Kuun

Date:

26/04/2021

SPILL BASIN FOAM VALVE

Foam Deluge Valve Data Sheet

GENERAL	1	Tag Number	To be confirmed					
	2	Service	Fire fighting - Foam - Spill Basin					
	3	P&ID No	19208-P-001-A					
	4	Function	Open-Close / CHECK /SOLENOID ACTUATED					
	5	Fluid	Foam Premix		Phase	Liquid		
	6	Haz Area Classification	Zone 1					
	7	Density	1					
	8	Design Pressure (kPa)	Min	0	Max	1600		
	9	Design Temperature (°C)	Min	-10	Max	50		
PROCESS CONDITIONS	10	Operating Pressure (kPa)	Min	0	Norm	1200	Max	1600
	11	Operating Temperature (°C)	Min	-5	Norm	25	Max	45
	12	Operating Viscosity						
	13	Flow Rate	Min		Norm		Max	
	14	Pressure Test	2400 kPa					
	15	Delta P @ Norm Flow	± 50 kPa					
	16	Density (km/m³)	1000					
	17	Vapour Press	kPa 2.34 kPa @ 20°C (max)					
	18	Upstream Pressure	± 1,200 kPa					
ENVIRON- MENTAL DATA	19	Pressure	Atmospheric					
	20	Temperature	-10 to 50°C					
	21	Humidity	RH 10 to 85					
	22	Vibration	Not applicable					
	23	SANS 12944 Corrosion	C5I					
BODY	24	Body Size	150NB					
	25	Valve Type	Hydraulic, solenoid actuated open close control valve					
	26	Calculated Cv	*					
	27	Selected Cv	*					
	28	Valve Type	Bladder type					
	29	Material	ASTM A105					
	30	End Connections	Flanged, ANSI 150#RF					
	31	Cage ends	Ductile iron, epoxy coated					
	32	Housing	Carbon Steel, epoxy coated					
	33	Sleeve	NR - Kevlar					
MATERIALS	34	Centre Bolt	Stainless steel					
	35	Nut	Brass					
	36	Solenoid	Brass					
	37	Pilot	Brass					
	38	Seat	Nylon (water resistant)					
ACTUATOR	39	Type	Sleeve Diaphragm					

Document No:

19208-M-DTS-02-A (Inbal Valve).docx

Rev:

0

Job Number:

19208

Sheet:

2 of 2

Compiled By:

Process:

R. Thomson

Date:

26/04/2021

Mechanical:

R. Thomson

Date:

26/04/2021

Electrical:

C. Kuun

Date:

26/04/2021

SPILL BASIN FOAM VALVE

Foam Deluge Valve Data Sheet

	40	Control lines:	Stainless steel
ACCESSORIES	41	Indicator	No
	42	Gauge	Yes
	43	3 way selector (Local open)	Yes
	44	Strainers	Yes
	45	Internal Lining	Yes
	46	Solenoid valves:	Yes - Parker / Lucifer - Model 495905 (*)
	47	Solenoid voltage:	24Vdc
	48	External coating	Std
CERTIFICATES REQUIRED	49	UL Listed	No
	50	Haz Area Certificate	Yes, including IA certificate
	51	Calibration Certificate	No
	52	Press Test Certificate	Yes
	53	Certificate of Conformity	Yes
	54	Material Certificates	Yes
PURCHASE	55	Manufacturer	Inbal
	56	Model	733D-02C11 (*)
	57	Supplier	Inbal
Notes: * - Supplier to confirm			