






DATASHEET FOR ON / OFF VALVE

HP02-00-IN-DAS-0001

0	8-Nov-23	Approval for Construction		D.T.T	L.V.D	N.T.S V.L.T
A	17-Oct-23	Issue for Review		D.T.T	L.V.D	N.T.S V.L.T
REV. NO.	DATE	DESCRIPTION		PREP'N	CHECK	REVIEW APPROVAL
REV. NO.	DISCIPLINE	PREPARATION	CHECK	REVIEW		APPROVAL
0	INSTRUMENT					
		D.T.T	L.V.D	N.T.S		V.L.T

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		HAI PHONG 2 PROJECT				DOC. No.		
		DATASHEET FOR ON / OFF VALVE				HP02-00-IN-DAS-0001		
						REV. No. 0		
						PAGE 3		
No.	Item	Description	Requirement				Remark	Rev.
A Process Data			<i>Min</i>	<i>Normal</i>	<i>Max</i>	<i>Unit</i>		
1		Operating Temperature	5	40	45	⁰ C		
2		Operating Pressure	0	2.7	6.3	Barg		
3		Density	670	-	920	Kg/m ³		
4		Viscosity	0.33	-	0.45	Cp		
5		Ambient Temperature	5	-	45	⁰ C		
6		Relative Humidity	-	-	85	%		
7		Fluid Name	Hydrocarbon/ Chemical Solvent		Toxic/Erosive	None		0
8		Fluid Phase	Liquid		Corosive	None		
9		Shut of pressure	7 (Barg)		Pressure Drop	-		
B Valve Data								
1	Body/Trim	Body Type	Ball Valve		Characteristic	On/Off		
2		Body Size	3"		Trim Size	Full Bore		
3		End Connec. & Rating	3" Flange ANSI 150 #RF		No. of Ways	2		
4		Body Material	A216 GR.WCB					
5		Flow Direction	Bi-Direction					
6		No. of Ports	1		Rated Travel	90 Degree		
7		Plug/ Ball/ Disk Material	316SS		Leakage Class	Class VI		0
8		Packing Material	PTFE		Face-Face Dim	ASME B16.10		
9		Seat/Diap. Material	PTFE		Stem Material	316 SS		
10	Actuator	Type	Rack & Pinion (Spring Return)					
11		Time to open/close (sec)	3		Actuator Size	2.29l		0
12		Air Failure Valve:	Close		Electric Failure	Close		
13		Min. Supply Pressure	4 Barg					
C Solenoid and Limit Switch								
1	Solenoid	Type	3/2		Quantity	1		
2		When De-Energize	SOV Close		Sil	None		
3		Exp. Protect	ATEX Ex ia IIC T6		Encl. Min.	IP67		0
4		Cable entry	1/2" NPT-F		Power Sup.	24 VDC		
5		Port Size	1/4" NPT-F		Silencer	Yes		
6	Switch	Type	NAMUR		Quantity	2		
7		Contacts / Rating	24VDC/0.5A		Sil	None		
8		Switching Position	Open GREEN / Close RED		Ter. Crimps	1-2.5mm ²		
9		Exp. Protect	Ex [ia] IIC T4		Encl. Min.	IP66		
10	Terminal box	Cable entry	1/2" NPT-F		Quantity	2		
11		Material	Aluminum/Plastic		Ter. Crimps	1-2.5mm ²		
12		Travel Indicator	Yes		Color	Open GREEN / Close RED		0
13	Air Set	Regulator	0.3-10 Barg		Filter	Yes		
14		Port Size	1/4" NPT-F		Gauge	Yes		
D Purchase and service								
1		Manufacturer	VTA					
2		Model	VTA					
3		Certification	Material, Site Calibration, Hydro/Leakage Test					
E General								
1		Tag-Name	XV-2108					
2		P&ID	HP02-00-PR-PID-0010					
4		Services	Loading Arm Z-208					
3		Line Number	4"-C-1405-AA21-NI		Carbon Steel			
Notes								
Mft.Std: Manufacture Standard			VTA: Vendor to Advise					
Ter. : Wiring Terminal								

<div>TOPNXT</div> <div>International</div>		HAI PHONG 2 PROJECT				DOC. No.		
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