

Masoneilan Valves

88-21124

Spec Data Sheet

Quote No: SO1056637		End User: Devon		Project: Jackfish 2 PAD MM/PAD EX/FL TT		
Customer:				End User Location: AB		
RFQ No: J2WP-J800-PadMM_EX_FL-TT		Revision:		End User Country: CANADA		
CustomerPO: 4500096777		Revision:		ValSpeQ v4.09.1		
Tag: 30-FV-501E				PID No: JP-30-A08-0011		
General	Item No: 016	Item Revision:	Service: MM1I PROCESS STEAM IN (SHORT TUBING)			
	Quantity: 1	Serial No:	Line No: 3"-HS-CG11-XX02-64H-ET			
TRS Application / Area Class PED 2014/68 EU / Category / Fluid Group		Explosive / - / /		Process Fluid / Fluid State Ambient Temperature Min / Max:		
ANSI Leakage Class / NACE		IV /		Design Press / Design Temp 7800 kPa g / -29/294 deg C		
Line Size - Schedule - OD - Wall Inlet / Outlet: 3 in - 80 - 0.3 - 3.5 / 3 in - 80 - 3.5 - 0.3						
Service Inputs	Sizing Conditions		Units	Min	Norm	Max
	Flow Rate (total)					
	Flow Rate		kg/h	1875	4375	7500
	Inlet Pressure		kPa g	6500	6500	6350
	Outlet Pressure		kPa g	3000	5500	6000
Temperature		deg C	281.9	281.9	280.4	
Service Results	Flowing Cond. required Cv		dBA	2.689	9.369	26.15
	Sound Level, IEC			70	72	< 70
	% Travel			26.16	52.42	75.28
	FL			0.93	0.9276	0.9147
	sonic diameter		in	0.3558	0.404	0.507
	Mach No.		Mach # Valve Outlet	0.0123	0.0159	0.0251
Body Bonnet	Model No: 88-21124		Body & Bonnet Matl: A216 gr WCC			
	Body Type: Globe, Reciprocating		Bonnet Type / Bellows: Standard/			
	Size (In x Body x Out): 3 in		Packing Type/Qualification/Endurance: Graphite / - / -			
	Rating / End Conn /sch: CL 600 / RF Flanges		Body Studs: A193 gr B7 without plating			
	Face Finish: 125 - 250 AARH		Body Nuts: A194 gr 2H without plating			
Trim	Rated Cv: 47		Plug Type: Equal Percent Contoured			
	Trim Type: Equal Percent Contoured		Plug/Ball/Disc Matl: 410 St. St.			
	Characteristic: Equal Percent		Seat Ring Mtl: 410 St. St.			
	Size: reduced area		Cage:Retnr / Guide Matl: 6 NM St.St./440C St. St.			
	Flow Action: Flow to Open		Stem/Shaft Mtl: 630(H1075) St. St.			
Actuator	Type: Spring-diaphragm		Model / Size: 88 / 16			
	Fail Position: Closed		Shutoff Pressure: 7800 kPa g			
	Manual Override: -		Bench Range / Travel: 21-45 psi g / 1.5 in			
	Limit Stop: -		Supply Pressure / Oversize Factor: 55 psi g / 1			
	Mounting / Installation: 1 / Pipe horizontal (Default)		Yoke Matl / Volume Chamber: Steel / -			
Positioner	Model: 3730-4		Type: Profibus PA			
	Input Signal / Characteristic: Profibus PA mA / Linear		Agency / Approval: CSA-FMc / Explosion Proof			
	Diagnostics Level / Position Transmit: Standard / -		Approval Description: / Enclosure Rating: Class 1, Zone 2, Group IIA, T2 / NEMA 4X			
	Air Connection /Elect Conn: .25 NPT / .5 Inch NPTF		Remote Mount: -			
	Tag: 30-FY1-501		Airset / Gauge: 78-40 / 1.5 inch st. st.			
Tubing Mat l / Fitting Type / Tubing Size(min.) / Gauge scale: Stainless steel / st.st. double Ferrule / 0.375 inch / psi-kPa-bar-kg/cm2						
FN Notes: • Sys01:Bug screen on all vent ports • ACC-201:Tubing & Fittings						
ITP: ITP-4			Serial Plate Language(s): English / -			
Paint System: P04-3 MN Std CES 1036 Table 2 (primer only up to 400°C/750F) - PS21			Body Paint Color: Aluminum, standard			
Actuator Case: Red, standard (RAL 3011)			Yoke: Red, standard (RAL 3011)			
Handwheel:						
Notes to Customer:						
Revisions	Item Revision	Description	Date	By	Contact	
					Rommel Reyes Phone: (780) 468-6950	
Accessory Sheet <input type="checkbox"/>			Notes Sheet <input type="checkbox"/>			

Seller, at its option and at no expense to the customer, may make design changes to goods or materials not impacting form, fit, or function
Friday, November 16, 2018