

FR-MKT-006

**GMM PFAUDLER LIMITED
TECHNICAL SPECIFICATION
FOR
GLASS LINED EQUIPMENTS**

GMM Pfaudler Quote No: **080189**

Name: Lema Chemicals Industries

Attention: **Mr. CHHAISINGH PARMAR**

Date: 13/06/2025

Model	MSGL Reactor				
Tag No.	NA				
Capacity	CE_5000L (1756)				
Glass	Pfaudler World Wide 9100 (Dark Blue), Plug Free				
Code	ASME SECTION VIII, DIV.I. (LATEST) - Unstamped				
Dimension	1756 And Overall Height 2700 mm, Other Dimension as per Our Bulletin DIN Reactors _ CE".				
Jacket Type	Plain Jacket with 1900 OD				
Design Pressure	Inner Vessel	F. V. / 6 bar(g)			
	Jacket	F. V. / 6 bar(g)			
Hydraulic Test Pressure	Pressure tested in accordance with Code.				
Design Temperature	Inner Vessel	-28.8°C to 200°C			
	Jacket	-28.8°C to 200°C			
NDT	Inner Vessel	UT			
	Jacket	UT			
Paint	Pre-Treatment Removal by blasting. 2 Coats of RAL 5015 (Sky Blue)				
Corrosion Allowance	Glassed Surface	0.0			
	Wetted With Jacket Fluid	1.0			
	Non Wetted Surface	0.5			
Stress Relief	All heating cycles will be as required for glassing process.				
Drilling Standard	GMM fitting PN - 10 DIN 2673 & Spare ASME 150#				
Material of Construction	Shell, Head	SA 516 Gr.60(EQ)			
	Nozzle Necks & Body Flange	SA 181 Gr. 60 / SA 836			
	Split Flanges	SA 516 Gr. 70 (CS)			
	Body Flange C-Clamps				
	Hand/Manhole C-Clamps	SA307 Gr. B / SA 563 Gr. B			
	Fasteners	Pressure Part	MS - IS : 1363 / 1367 CL. 4.6 / 4		
		Non-Pressure Part	MS - IS : 1363 / 1367 CL. 4.6 / 4		
	Gasket	PTFE Enveloped NON ASBESTOS			
	Hand/Manhole Cover	MSGL			
	Hand/Manhole Protection Ring	PTFE BUSH TYPE			
	Spring Balance Assembly	MS			

	Sight/Light Glass Flanges	MS																																																										
	Earthing	01 No.- Earthing Boss (MS)																																																										
	Lantern Support	MS																																																										
	Lantern Guard	SS304																																																										
	Drive Base Ring	MS																																																										
	Drive Hood																																																											
	Jacket (Shell, Head)	SA 516 Gr. 60 / 70																																																										
	Jacket Nozzle	Nozzle Neck : SA 106 Gr. B & Flanges : SA 105																																																										
	Jacket Coupling+Plug	SA 105																																																										
Nozzles	Top Head																																																											
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	MSGL Bellow Type Upper To Open BOV 100x80 (GPF 301)																																																											
	Jacket Nozzle		04 Nos. DN50 Jacket Nozzle																																																									
Support	Side Bracket																																																											
Agitator	Specific Gravity		≤ 1.6																																																									
	Viscosity		10 CPS																																																									
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	RPM		102																																																									
	Shaft Diameter		100																																																									
Baffle	1 No. Beavertail type Baffle with Flange Design																																																											

Drive	Gear Box	Bonfiglioli Make In-Line Helical Gear Box	
	Motor	BBL Make 10 (7.5 KW) HP IE2 Flameproof Motor	
	Shaft Closure	Rolon Make Double Mechanical Seal	
		Inborad Face	Carbon vs SIC
		Outborad Face	Carbon vs SIC
		Sealing	Viton
		Housing	MS
		Other	
	Alternate Seal	No	
	Thermosyphon System Make	Leakproof	
	Thermosyphon System Material	MS	
Accessories	-Insulation Cleats on Jacket.		

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