

SALES ORDER REQUISITION & SUPPLY Reactor.

QRN No.	QRN-6999/R5
Client	JINDAL SPECIALITY CHEMICALS
	INDIA PRIVATE LIMITED
Type.	Manufacturing
Job No.	SO-660
Date	02/07/2022
Rev	R0

ChemDist Process Solutions Pvt. Ltd.

INDIA Address:

Plot No J-174/1, J-Block,

PCNTDA, Bhosari, Pune-411026, Maharashtra

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• EQUIPMENT MANUFACTURING SR. NO. TUBULAR REACTO R-110B CDPS-660-V1930-2022

SCOPE OF SUPPLY:

Our scope of supply includes Manufacturing & Supply of below listed items:

1. Description	Tubular Reactor		
Process Details			
Design Pressure (kg/cm2 g)	16/8		
Design Temperature (Deg C)	420		
Shell/End Radiography	Spot + All T Joints/Full (100%)		
Vessel Details			
Shell Diameter (ID)	Dia. 2100 mm X L 5807mm X 20mm Thk.		
Top Bonnet	Dia. 2100 mm X L 1100 mm X 12 mm Thk.		
Top Dishend	14 mm Thk (10% Torispherical)		
Bottom Bonnet	Dia. 2100 mm X L 1000 mm X 12 mm Thk.		
Bottom Dish	14 mm Thk (10% Torispherical)		
Tubes	OD 50.8mm X L 6000 mm X 2.77mm Thk X 890 Nos.		
Tube sheet	OD 2095 X 100 mm Thk X 2 Nos.		
Support	Skirt Support + Lug Support		
Shell	SS 316L		
Bonnet	SS 316L		
Dishend	SS 316L		
Tubes	SS 316L (Heavy Metals)		
Tubesheet	SS 316L		
Grid Plate	SS 316L		
Support Plate	MS		
Nozzles pipe MOC	SS 316		
Nozzle Flange MOC	SS 316L		



Gasket	4.5 mm Thk Spiral Wound Graphite Filled with SS 316L
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Nozzle Details:

NO.	SERVICE	Qty	NOZZL	E PIPE	End Connection
			NB	SCH	
N1	Vapour Inlet	1	200	Sch 40S	300# WNRF
N2	Vapour Outlet	1	200	Sch 40S	300# WNRF
N3	Thermic Fluid Inlet	1	150	Sch 80S	300# WNRF
N4	Thermic Fluid Outlet	1	150	Sch 80S	300# WNRF
N5	Temperature Indicator	1	40	Sch 80S	300# WNRF
N6	Pressure Transmitter	1	40	Sch 80S	300# WNRF
N7	Temperature Indicator	1	40	Sch 80S	300# WNRF
N8	Pressure Transmitter	1	40	Sch 80S	300# WNRF
M1	Manhole	1	500	10mm Thk	300# WNRF (B/F)
M2	Manhole	1	500	10mm Thk	300# WNRF (B/F)
М3	Manhole	1	500	10mm Thk	300# WNRF (B/F)
HH1	Hand Hole	1	200	Sch 40S	300# WNRF (B/F)
SV 1/2	Skirt Vent	2	100	Sch 80S	

Note		
1	Spare Gasket and Hardware not in CDPS Scope.	
2	Spring and Catalyst not in CDPS Scope.	
3	All Nozzles Flanges as well as blind are in SS 316	
4	Tubes are not in CDPS Scope.	





Notes:

- 1. All '*' mark shall be confirmed by design team.
- 2. In this reactor, agitator not in our scope.
- 3. All thicknesses shall be confirmed by design team.

Delivery Date (FOR-Site)	2 nd JULY 2022 (FOR)
Internal Inspection Report	Required
TPI	YES
Remark/Instruction	Test Certificates Required as per QAP

issued By	Signature	Received By	Signature
Marketing		Design/Dwg	
		Manufacturing	
		Purchase	

		Signature
Prepared By	NMB	
Checked By	NMB	
Approved By	TW	