



Sales Quote

INDUSTRIAL BUSINESS INTL CORP

1580 Sawgrass Corporate Parkway
Suite 130, Sunrise, FL 33323
Tel: 954-315-4781
Fax: 954-838-7746
E-mail: ibicorp@intech-ie.com

Quote #

IBI-2026-0052 Rev 1

Date:

May 8th, 2026

Customer ID

PETROPIAR

Bill To:

CHEVRON PetroPiar

Complejo Petrolero y Petroquimico Jose, Edo
Anzoategui, Venezuela
Att: Nancy Cordero - Ing. De Costos
ingcostosnc@gmail.com

Ship To:

Custom Agent to be informed at Maiquetia Airport
Venezuela

Your #	Our #	Sales Rep	CIF	SHIP VIA	Terms	Validity
26-IC448	2026-0052 // 23667-1 ELZ	L. Zuñiga W. Brito	Maiquetia, Airport	BWPPD	See details	90 days

Item	Qty	Units	Description	Unit Pr (US\$)	Total (US\$)
			REACTORS 16R-001A & 16R-001B		
1	24	Pcs	WIKA Gayesco Flanged Multi-Thermowell Assembly Reactors 16-R-001A and 16-R-001B Nozzles See below Drawing Refer to drawing 06118-1 R1 Process Connection 3"-2500#RF 347SS Instrument Connection 1/4" SCH80 347SS Pipe Pressure Gauge 4" Gauge, 1/2" NPT, Stem Mount, SS, Range 0 - 5,000 psig Valves 3-Way Block and Bleed Hex Valve P/N HG46-1-U-3-2-3-1-4-1-3 Bleed Valve P/N HB24-1-U-3-1-2 Process Wetted Material 347SS Thermowells 1/4"-SCH80, 347SS No. of Thermowells Three (3) each Thermowell Support 1/4" x 1-3/8" T-Beam Support Gland Fitting Yes, complete with lava sealant Spare Lava Sealant 3 each Thermocouple Thermocouple Type K Single or Dual Element Single Measuring Junction Grounded Sheath Material 347SS No. of thermocouples Three (3) each Individual thermocouple sheath diameter - 3/16" (4.8 mm) Thermocouple conductor size - 19 AWG Thermocouple sheath is single piece, seamless construction Magnesium Oxide (MgO) Electrical Insulation, 99.5% Purity Thermocouple Extension Wire	18,680.00	448,320.00

			Insulation	Teflon
			Wire Gauge	20 gauge
			SS Armor with PVC Jacket	No
			Length of Armor	N/A
			Junction Box	
			Junction Box is Attached -	Via threaded studs for 9" standoff
			Junction Box Material-	Stainless Steel, approx. 12" x 10" x 6"
			Junction Box Rating-	IP66
			Junction Box Electrical Certif.-	ATEX Ex e as a component
			Junction Box Cover -	Hinged
			Junction Box Terminals -	Phoenix compensated
			Junction Box Conduit -	One 3/4" NPT(F) Conduit Connection
			Junction Box Nameplate -	Yes, Stainless Steel
			Reactor -001A I.D.	TBD
			mm	Dim. X
				TBD
			<i>Dimensions are estimated and based on data sheets and drawing provided.</i>	
			Assembly	Location
				Tags
				"L" Dimension, "
			1	Bed 1 Bot Nozzle F1
				16-TE-134 16-TE-133 16-TE-135
				48.375 100.813 153.375
			2	Bed 2 Top Nozzle F2
				16-TE-032 16-TE-022 16-TE-023
				48.375 100.813 153.375
			3	Bed 2 Bot Nozzle F3
				16-TE-137 16-TE-136 16-TE-138
				48.375 100.813 153.375
			4	Bed 3 Top Nozzle F4
				16-TE-033 16-TE-024 16-TE-025
				48.375 100.813 153.375
			5	Bed 3 Mid Nozzle F5
				16-TE-140 16-TE-139 16-TE-141
				48.375 100.813 153.375
			6	Bed 3 Bot Nozzle F6
				16-TE-143 16-TE-142 16-TE-144
				48.375 100.813 153.375
			7	Bed 4 Top Nozzle F7
				16-TE-034 16-TE-026 16-TE-027
				48.375 100.813 153.375
			8	Bed 4 Top-Mid Nozzle F8
				16-TE-146 16-TE-145 16-TE-147
				48.375 100.813 153.375
			9	Bed 4 Mid Nozzle F9
				16-TE-149 16-TE-148 16-TE-150
				48.375 100.813 153.375
			10	Bed 4 Bot Nozzle F10
				16-TE-152 16-TE-151 16-TE-153
				48.375 100.813 153.375
			11	Bed 5 Top Nozzle F11
				16-TE-035 16-TE-028
				48.375 100.813



				16-TE-029	153.375		
			12	Bed 6 Top Nozzle F12	16-TE-036 16-TE-030 16-TE-031	48.375 100.813 153.375	
				Reactor -001B I.D.	TBD mm	Dim. X	TBD
				Dimensions are estimated and based on data sheets and drawing provided.			
				Assembly	Location	Tags	"L" Dimension, "
			1	Bed 1 Bot Nozzle F1	16-TE-325 16-TE-324 16-TE-326	48.375 100.813 153.375	
			2	Bed 2 Top Nozzle F2	16-TE-223 16-TE-213 16-TE-214	48.375 100.813 153.375	
			3	Bed 2 Bot Nozzle F3	16-TE-328 16-TE-327 16-TE-329	48.375 100.813 153.375	
			4	Bed 3 Top Nozzle F4	16-TE-224 16-TE-215 16-TE-216	48.375 100.813 153.375	
			5	Bed 3 Mid Nozzle F5	16-TE-331 16-TE-330 16-TE-332	48.375 100.813 153.375	
			6	Bed 3 Bot Nozzle F6	16-TE-439 16-TE-438 16-TE-440	48.375 100.813 153.375	
			7	Bed 4 Top Nozzle F7	16-TE-225 16-TE-217 16-TE-218	48.375 100.813 153.375	
			8	Bed 4 Top-Mid Nozzle F8	16-TE-334 16-TE-333 16-TE-335	48.375 100.813 153.375	
			9	Bed 4 Mid Nozzle F9	16-TE-337 16-TE-336 16-TE-338	48.375 100.813 153.375	
			10	Bed 4 Bot Nozzle F10	16-TE-340 16-TE-339 16-TE-341	48.375 100.813 153.375	
			11	Bed 5 Top Nozzle F11	16-TE-226 16-TE-219 16-TE-220	48.375 100.813 153.375	
			12	Bed 6 Top Nozzle F12	16-TE-227 16-TE-221 16-TE-222	48.375 100.813 153.375	



2	192	Pcs	WIKA GAYESCO THERMOCOUPLES K-25-S0-UU-24"-E7AP (24")- HA35AB-CGB WASHER SKIN THERMOCOUPLE, TYPE K THERMOCOUPLE, 1/4" O.D., 310SS, DUAL, UNGROUNDED, 24 INCH LONG SS SPIRAL ARMOR, SS TRANSITION WITH EPOXY, PVC SHRINKFIT OVER SPIRAL ARMOR, CAST ALUMINUM HEAD WITH SS CHAIN (WEATHERPROOF) WITH ENTRELEC TERMINAL BLOCK, 1 1/2" O.D. x 3/4" I.D. x 1/4" THICK 316SS WASHER. DRAWING 06055 Rev 3 TAGS FOR REACTOR 16-R-001A (96 pcs) 16-TE-037 THRU 132 TAGS FOR REACTOR 16-R-001B (96 pcs) 16-TE-228 THRU 323	1,650.00	316,800.00
3	4	Pcs	WIKA Gayesco Patented Flex-R Assembly Reactors 16-R-001A and 16-R-001B Nozzles H1 in bottom of Bed 5 for both reactors H2 in bottom of Bed 6 for both reactors Drawing Refer to drawing 06113A R2 Flange 3"-2500#RFWN, SCH160, 347SS Secondary Seal Yes Process Wetted Material 347SS Instrument Connection 3/4" 3000# Socket weld fitting with 3/4" SCH160 4" 347SS Pipe with 3/4" 2500# RFWN SCH160 Flange Pressure Gauge 4" Gauge, 1/2" NPT, Stem Mount, SS, Range 0 - 5,000 psig Valves 3-Way Block and Bleed Hex Valve P/N HG46-1-U-3-1-3-1-4-1-3 Bleed Valve P/N HB24-1-U-3-1-2 Thermocouple Thermocouple Type K Single or Dual Element Single Measuring Junction Ungrounded Sheath Material 347SS No. of thermocouples Twenty-Two (22) Individual thermocouple sheath diameter - 5/16" (8 mm) Thermocouple conductor size - 16 AWG Thermocouple sheath is single piece, seamless and heavy wall thick Magnesium Oxide (MgO) Electrical Insulation, 99.5% Purity Safety Transition SS Safety Transition Yes Transition seal caps Two (2) included Thermocouple Extension Wire Insulation Teflon, IEC 60584 Thermocouple Grade Junction Box Junction Box is Attached - Via shroud offset Junction Box Material- SS316, approx. 20" x 16" x 8" Junction Box Rating- ATEX Ex e as a component Junction Box Cover - Hinged Junction Box Terminals - #44 Pairs compensated WDU Type K #1 Reducer to 2" NPT(F) with Locknut Junction Box Conduit - Mat SS and Gasket Mat Teadit	68,970.00	275,880.00

			Junction Box Nameplate - Yes, Stainless Steel Tags:<table><tr><th>Reactor</th><th>Location</th><th>Tags</th><th>No.</th></tr><tr><td>16-R-001A</td><td>Bed 5 Bottom</td><td>16-TE-154 through 16-TE-175</td><td>22</td></tr><tr><td>16-R-001A</td><td>Bed 6 Bottom</td><td>16-TE-176 through 16-TE-197</td><td>22</td></tr><tr><td>16-R-001B</td><td>Bed 5 Bottom</td><td>16-TE-342 through 16-TE-363</td><td>22</td></tr><tr><td>16-R-001B</td><td>Bed 6 Bottom</td><td>16-TE-364 through 16-TE-385</td><td>22</td></tr></table> Single Point Calibration of Flex-R Points is included on all Flex-R It is important to verify the accuracy of each individual thermocouple that will be that will be placed in service. Each thermocouple is compared to a NIST traceable standard to ASTM E-230 at 700°F (371°C) standard limits of error and the results documented.	Reactor	Location	Tags	No.	16-R-001A	Bed 5 Bottom	16-TE-154 through 16-TE-175	22	16-R-001A	Bed 6 Bottom	16-TE-176 through 16-TE-197	22	16-R-001B	Bed 5 Bottom	16-TE-342 through 16-TE-363	22	16-R-001B	Bed 6 Bottom	16-TE-364 through 16-TE-385	22		
Reactor	Location	Tags	No.																						
16-R-001A	Bed 5 Bottom	16-TE-154 through 16-TE-175	22																						
16-R-001A	Bed 6 Bottom	16-TE-176 through 16-TE-197	22																						
16-R-001B	Bed 5 Bottom	16-TE-342 through 16-TE-363	22																						
16-R-001B	Bed 6 Bottom	16-TE-364 through 16-TE-385	22																						
3.2	6	Pcs	WIKA GAYESCO THERMOCOUPLES K-25-S0-UU-24"-E7AP (24")- HA35AB-CGB WASHER SKIN THERMOCOUPLE, TYPE K THERMOCOUPLE, 1/4" O.D., 310SS, DUAL, UNGROUNDED, 24 INCH LONG SS SPIRAL ARMOR, SS TRANSITION WITH EPOXY, PVC SHRINKFIT OVER SPIRAL ARMOR, CAST ALUMINUM HEAD WITH SS CHAIN (WEATHERPROOF) WITH ENTRELEC TERMINAL BLOCK, 1 1/2" O.D. x 3/4" I.D. x 1/4" THICK 316SS WASHER. DRAWING 06055 Rev 3 TAGS FOR REACTOR 16-R-001A 16-TE-020, 16-TE-021, 16-TE-198 TAGS FOR REACTOR 16-R-001B 16-TE-211, 16-TE-212, 16-TE-386	1,650.00	9,900.00																				
			SUB-TOTALS		1,050,900.00																				
			Recommended (optional)																						
4	2	Pcs	WIKA Gayesco Flex-R Support Frame Bottom Head Support Structure for the following two (2) assemblies Frame profiles Thickness 6 mm, Thermocouple Locations per DRAWING 06113B rev 0 Sheet 1 of 6, Material 347 SS <table><tr><th>Reactor</th><th>Location</th><th>Points</th></tr><tr><td>16R-001A</td><td>Bed 6 Bottom</td><td>22</td></tr><tr><td>16R-001B</td><td>Bed 6 Bottom</td><td>22</td></tr></table> 347 Stainless Steel Set of 50 Routing Clips for Thermocouples 5/32" diameter (round clips) for Nozzle, 347 SS, Reactors 16-R-001A (H1-Bed #5), 16-R-001B (H1-Bed#5) Set of Tie Wire ER347, for securing thermocouples to sup[ports 0.8-1 mm diameter provided on 1 Kg Spools	Reactor	Location	Points	16R-001A	Bed 6 Bottom	22	16R-001B	Bed 6 Bottom	22	32,310.00	64,620.00											
Reactor	Location	Points																							
16R-001A	Bed 6 Bottom	22																							
16R-001B	Bed 6 Bottom	22																							
5	1	Set	Spare Parts Thermocouple Suitable for item 3 , which includes - 5 Thermowells Length TW1 = 1,087.5 mm - 5 Thermowells Length TW2 = 2.420 mm - 5 Thermowells Length TW3 = 3,754.55 mm Thermocouple Type K, Single element, Grounded Junction, Sheat Material 347 SS, Sheat diameter 3/16" (4.8 mm) Standard IEC 60584 CL1, Thermocouple Extension Wire IEC 584-3 Thermocouple Grade, Insulation Teflon	8,550.00	8,550.00																				



6	5	Pcs	WIKA GAYESCO THERMOCOUPLES K-25-S0-UU-24"-E7AP (24")- HA35AB-CGB WASHER SKIN THERMOCOUPLE, TYPE K THERMOCOUPLE, 1/4" O.D., 310SS, DUAL, UNGROUNDED, 24 INCH LONG SS SPIRAL ARMOR, SS TRANSITION WITH EPOXY, PVC SHRINKFIT OVER SPIRAL ARMOR, CAST ALUMINUM HEAD WITH SS CHAIN (WEATHERPROOF) WITH ENTRELEC TERMINAL BLOCK, 1 1/2" O.D. x 3/4" I.D. x 1/4" THICK 316SS WASHER. DRAWING 06055 Rev 3 TAGS FOR REACTOR 16-R-001A SPAREDO-TE-K-25-1 SPAREDO-TE-K-25-2 SPAREDO-TE-K-25-3 SPAREDO-TE-K-25-4 SPAREDO-TE-K-25-5	1,650.00	8,250.00
			SUBTOTALS (Recommended)		81,420.00
			Delivery Time 24 Weeks after Receipt of P.O. and advance payment (see Engineering & production Standard Schedule below – Premium schedule will be granted with Surcharge of 30% to decrease delivery to 20 wks) New Updated Drawings must be released by WIKA GAYESCO for approval of end users Payment Terms • 50 % with Purchase order. A manufacturer's confirmation and acknowledgement of material entered for production will be released with your P.O. • Balance 50% Net 30 days Shipping date to Destiny Port in Venezuela All the Materials will be manufactured at WIKA GAYESCO Plant in Pieve San Giacomo, Cr, ITALY,- Local Freights, Import Duties, Custom taxes, Destiny Handling will be responsibility of customer Volume & Weight Thermocouple Assemblies and Hardware will be securely packaged in a wooden crate. Crate is sized to allow for Air Cargo transit. Normal mode of domestic transit is via truck. Overseas and expedited delivery is normally via Air Cargo. Material can be packaged for Ocean Freight at additional cost. Estimated No of Crates: 6(To be reconfirmed) Each Crate of 84"W x 120"L, 18"H, @ 1000 Lbs / each (To be reconfirmed) Warranty: 18 months after delivery or 12 months after commissioning & startup whichever occurs first Project Cancellation charges: 15% Up to submittal of Engineering & Design Drawings and Documents 25% After submittal of Engineering & Design Drawings and Documents 50% After material order placement and before production commences 75%		

			Within two weeks of production release 100% Two weeks after production commences		
			TECHNICAL Notes on all Materials: ASME BPVC SECTION VIII, DIVISION 1 All pressure retaining components will be designed, manufactured and tested per ASME BPVC Section VIII, Division 1, Latest Edition/Addenda. WIKA Gayesco can include code inspection and provide a U stamp with a U2A Certificate for an additional charge. WIKA GAYESCO QUALITY STATEMENT WIKA Gayesco's Quality Assurance Program is in accordance with ISO 9001. Our quality systems meets the same BPVC requirements in order to provide the Code 'U' stamp per Section VIII, Division 1.		
			MATERIAL TESTING AND INSPECTION INCLUDED ON Items 1 & 3 Single Point Calibration It is important to verify the accuracy of each individual thermocouple that will be placed in service. Each thermocouple is compared to a NIST traceable standard to ASTM E-230 at 700°F (371°C) standard limits of error and the results document Continuity Test All Thermocouples shall be tested to verify continuity Insulation Resistance Test Ungrounded thermocouples shall be tested at room temperature to record the electrical insulation resistance between conductors and between conductors and sheath in accordance with ASTM E780 Thermocouple Heat Test All thermocouples shall be tested to confirm function and operation Materials Test Report A copy of the MTR's or certificate of compliance shall be provided for all process wetted and pressure retaining material. Please specify if EN10204 3.1 is required. Positive Material Identification - PMI With Positive Material Identification, the alloy composition, and thus the identity of materials can be determined. WIKA Gayesco performs in-house PMI using x-ray flu alloy analyzer Radiograph Examination - RT of pressure retaining welds All radiographable pressure retaining welds will be X-rayed and the results documented in accordance with ASME Section VIII, Division 1, paragraph UW-51 Radiograph Examination - RT of thermocouple tip welds All Flex-R thermocouple tips shall be X-rayed and the results documented. Liquid Penetrant Test - PT of all pressure retaining welds Dye Penetrant testing will be provided for all pressure retaining welds and the results documented in accordance with ASME Section V, Article 6. Pneumatic Pressure Test Secondary containment seal will be pneumatically pressure tested in accordance with ASME Code Section VIII, Div 1, Paragraph UG-100. This test checks the primary and secondary seal weld of the thermocouple to the chamber as well as the instrument connection weld		



		The minimum hold time is 5 minutes. Hydrostatic External Pressure Test Flange assembly will be hydrostatically pressure tested in accordance with ASME Code Section VIII, Division 1, Paragraph UG-99. This test checks the flange assembly welds as well as the flange sealing surface. The minimum hold time is 5 minutes.		
		MATERIAL TESTING AND INSPECTION INCLUDED ON Items 5 & 6 This proposal does NOT include any additional Testing on Tubeskins or Thermowells based on Drawings supplied (items 5 & 6) If a Testing is required additional costs will be added to order		
		APPROVAL DOCUMENTS: Client must provide WIKA Gayesco with the following information at time of order placement: Engineering Design and Schedule will be HELD until all information is received a. Reactor Design Pressure and Temperature b. Material specifications c. Thermocouple nozzle details including inside diameter and space limitations d. Drawings: Reactor assembly, catalyst support grid, distributor trays, internal supports, and tray penetrations as applicable e. Thermocouple point location, elevation, and tag numbers. f. Client or Third Party Inspection requirements g. Certifications and or Approval Requirements (ASME Code 'U' stamp, PED, ATEX, etc.) h. WIKA Gayesco cannot be held responsible for project material requirements, inspection requirements or markings required by accredited bodies or organizations if these specifications and/or requirements are not supplied in English. If English copies of the specifications cannot be supplied, additional costs for translation services will be applied to the quoted price. i. WIKA Gayesco will not be responsible for or assume any liability for the accuracy of technical drawing and document translation from English to another language. cci Williams Brito _ INTECh Pto La Cruz		

PRELIMINARY ENGINEERING AND PRODUCTION SCHEDULE

This schedule may be affected by factors outside of WIKA Gayesco's control. This is not anticipated, but if it the case, then the delivery may be affected as well

WEEKS		ENGINEERING DESIGN & DRAWING SCHEDULE
ARO	ARAD	AFTER RECEIPT OF ORDER
1	0	WIKA Gayesco received purchase order and all required information
4	0	*WIKA Gayesco submittal of Engineering Design Drawings and Documents for Review and Approval
6	0	Two weeks - estimated time for client drawing review and material and construction approval
PRODUCTION SCHEDULE AFTER RECEIPT OF APPROVED DRAWINGS		
When design and construction approval is received and confirmed, WIKA Gayesco will schedule the shipping date based on Client Approval Date		
8	2	Manufacturing Package which will include materials, inspection and testing requirements and production scheduling
9	3	Shop Work Orders generated and major materials are released for purchase
10	4	Production Release and Estimated receipt of materials
20	14	Fabrication complete



INDUSTRIAL BUSINESS INTL CORP

1580 Sawgrass Corporate Parkway
Suite 130, Sunrise, FL 33323
Tel: 954-315-4781
Fax: 954-838-7746
E-mail: ibicorp@intech-ie.com

21	15	Final Inspection & Packing
16		WEEKS ARAD DELIVERY
22		WEEKS ARO DELIVERY - based on approved drawing receipt by due date
* A signed Confidentiality Agreement with client must be received prior to drawing submittal		

SUGGESTED INSPECTION & TEST PLAN									
Test & Inspection		Req.	CUSTOMER			Reference, Procedure, Acceptance Criteria		Notes	
			H	W	R				
Pre-Fabrication									
Material Test Reports	(T+S)	X			X	EN 10204 3.1		All Pressure and Wetted Parts	
Welding procedure specifications		X			X	ASME Code		Included in the Welding Book	
Welder Qualification Record		X			X	ASME IX		Included in the Welding Book	
Welding book		X			X			Approval by Customer	
ASME Calculation		X			X			For information only	
Assembly Drawing		X			X			Approval by Customer	
NDT Personnel & Procedures		X			X	ASME V, EN 9712 or ASNT TC 1A			
PMI Check of Raw Material	(I)	X			X	Proc.: IL-10-315		One shot each heat number used (MI cable, Flange, pipe, bars)	
In-Process Inspection & Testing Requirements									
Radiograph Inspection of T/Cs Tip	100% (I)	X			X	ASME V, Proc.: IL-10-313		One shot - For Item 1 Only	
Thermocouple Calibration Verification	100% (I)	X			X	EN 60584-2 - Class 1		1 (one) point calibration at 371°C	
Liquid Penetrant Test of Welds	100% (I)	X			X	ASME V, Proc.: IL-10-310			
Pneumatic Pressure Test (to verify welds between TC and Seal Cap)	100% (I)	X			X	ASME VIII UG-100 Proc.: IL-09-35		TBD barg; Hold time 5 min. - For Item 1 Only	
Radiograph Inspection of Pressure Welds	100% (I)	X			X	ASME V, Proc.: IL-10-313		For Item 1 Only	
Hydrostatic Pressure Test (External)	100% (I)	X			X	ASME VIII UG-99, ASME B16.5 Proc.: IL-10-05		TBD barg; Hold time 10 min. - For Item 1 Only	
Final Inspection & Testing Requirements									
Visual & Dimensional Check	100% (I)	X			X	Applicable dwgs.			
Functionality Test on thermocouples	100% (I)	X			X	Applicable dwgs.		Polarity, Continuity, Insulation Check	
Conformity ATEX Directives	(F)	X			X	Directives 2014/34/UE			
LEGEND H - Hold Point W - Witness Point R - Document Review T - TEST REPORT F - COMPLIANCE CERTIFICATE S - MILL									

LEGEND	H - Hold Point	T - TEST REPORT
	W - Witness Point	F - COMPLIANCE
	R - Document Review	CERTIFICATE S - MILL

PLEASE TRANSFER TO OUR ACCOUNT AT:
Branch Banking & Trust Co.
450 North Pine Island
Plantation, FL 33324
Account #: 0140953040
ABA# 053-101-121
Routing/Transit Number: 2631-9138-7
Swift Code: BRBTUS33

THANK YOU FOR YOUR BUSINESS

Subtotal	US\$	1,132,320.00
Freight	US\$	Included
Insurance	US\$	Included
Docs.	US\$	Included
TOTAL	US\$	1,132,320.00