
	HOJA DE DATOS	No.: SGP-CRC-A45-M-HD-01=EPL
	EMPRESA: YPFB CHACO S.A.	Hoja: 1 de 3
	PROYECTO: TRASLADO PLANTA AMINAS CRC A LVT	
	TITULO: FILTRO COALESCENTE F-211	

INDICE DE REVISIONES

Fecha	Revisión	Observaciones
4-jun-18	A	Para revision Interna
14-jun-18	B	Para Aprobacion
23-nov-18	C	Para Aprobacion
23-nov-18	EPL	Emitido Para Licitacion

Juan Jose Bueno V. Supervisor Procesos	Herland Melgar Lider de Proyecto	Boris Ferufino Jefe de Ingenieria y Estudios
ELABORADO POR	REVISADO POR	APROBADO POR

ESTE DOCUMENTO ES PROPIEDAD DE YPFB CHACO S.A. Y NO PODRA SER REPRODUCIDO O UTILIZADO PARA CUALQUIER FINALIDAD DIFERENTE DE AQUELLA PARA LA QUE HA SIDO SUMINISTRADO.

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DESIGN CONDITIONS			MATERIALS OF CONSTRUCTION (NOTE 1)				
Design Pressure	1350	PSIG	Vessel Shell	SA516-70N			
Design T. (Min/Max)	-20 / 200	°F	Head	SA516-70N			
Erosion Allowance	0	Inch	Flanges	SA105N			
Corrosion Allowance	0,0625	Inch	Pipes	SA106-B/C			
Design Code	Boiler and Pressure Vessel Code		Couplings	SA105			
National Board Reg.	Required (ASME STAMP)		Weld Fittings	SA234-WPB			
OPERATING CONDITIONS			Lifting Lugs	SA516-70N o			
Pressure Max/Nor/Min	1200 / 1000 / 850	PSIG	Nameplate	304 Stainless Steel			
Temperature Min/Max	60 / 130	Deg F	Bolts/Nuts	SA193-B7/SA194-2H			
Fluid	Natural Gas		Closure	SA-350-LF2			
Op. Flow Rate	75	MMSCFD	Plug, Arm, Davit	SA-36			
Spec. Gravity	0,62						
Viscosity	0,014	CP					
VESSEL DIMENSIONS (NOTE 3)			SCHEDULE OF OPENINGS (NOTE 1 AND 3)				
Shell Diameter	30 I.D.	Inch	-	Service	Size	Rating	Type
S/S Lenght	6,5	ft	A1	Gas Inlet	8"	600#	RF WN
Weight Empty	By Supplier		B1	Gas Outlet	8"	600#	RF WN
Quantity	1		N1/N2	Liquid Operative Outlet	2"	600#	RF WN
TESTING			L1/L2	Level Control Upper Chamber	2"	600#	RF WN
Hydrotest	Per Code		L3/L4	Level Control Bottom Chamber	2"	600#	RF WN
Radiograph	Per Code		G1/G2	Level Gauge Element Chamber	1"	600#	RF WN
Ultrasonic	None		G3/G4	Level Gauge Liquid Chamber	1"	600#	RF WN
Mag. Particle	None		F1/F2	Pressure Differential Indicator	½"	3000 psig	CPLNG
Dye Penetrant	None		R1	Pressure Safety Valve	1 ½"	600#	RF WN
PWHT	Per Code		M1/M2	Local Manometer	½"	3000 psig	CPLNG
Hardness	None		D1/D2	Liquid Drain for Purge	2"	600#	RF WN
Charpy Impact	None		D1/D2	Manhole	24"	600#	RF WN
Wind Load	106 km/h						
PERFORMANCE			EXTERNALS ELEMENTS (NOTE 1)				
Filter Elements	By supplier		Supports	-			
Elements Dim. (Note 2)	Acc. Model Supplier		Lifting Lugs	SA-516 gr 70			
DP for Cleaning	10 to 14	PSID	Insulation Rings	-			
Eff. (Liquid droplets)	99,5% and up (0.3 microns)		Boot	-			
Material (NOTE 1)	Polypropylene		Liquid Chamber	YES			
CLOSURE			INTERNALS ELEMENTS				
Type	Safelock Closure		Coalescing Cartridge	YES			
Size	Acc. O.D. Supplier		Division Chamber	By Supplier			
O-Ring Gasket	By Supplier (NOTE 01)		Liquid Chamber / Boot	Chamber for Liquids			
Gasket Material	By Supplier		Demister	According Manufacturer			
CALCULATIONS			PAINTING SPECIFICATIONS				
Cylinder	ASME Section VIII Div. 1		External	Manufacturer STD			
Heads	ASME Section VIII Div. 1		Internal	Internal protective coat to prevent corrosion			
Reinforcements	ASME B16,5 / UG						
Nozzle	ASME Section VIII Div. 1						

- Note:
- 01) Vendor shall complete data sheet with relevant information.
 - 02) Referencial dimensions, final internal element size must be according Manufacturer's Models or Series.
 - 03) Nozzles, length and diameter will be according manufacturer model and available commercial capacity.
 - 04) Vessel, Internals, control valves and instruments must be included.
 - 05) The bid must offer the filter as a skid.
 - 06) The Filter is a replacement skid for existing F-210, referencial drawings belongs to the existing filter.
 - 07) The CO₂ in feed gas can reach values up 2% molar.



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YPFB CHACO S.A.

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TRASLADO PLANTA AMINAS CRC A LVT

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AFE-A45

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FILTRO COALESCENTE F-211

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GENERAL NOTES:

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- 04) Vessel, Internals, control valves and instruments must be included.
- 05) The bid must offer the filter as a skid.
- 06) The Filter is a replacement skid for existing F-210, referencial drawings belongs to the existing filter.
- 07) The CO₂ in feed gas can reach values up 2% molar.
- 08) The instrumentation of the diagram is referencial, it should be in accordance with what is requested in the technical specification SSGP-CRC-A45-M-ET-01

COMPOSITION / REFERENCIAL DRAWING

Planta Carrasco	
CLIENTE:	Y.P.F.B CHACO S.A.
SOLICITUD:	Sup. De Operaciones.
TIPO DE MUESTRA:	GN-28-05-18.M
CAMPO:	CRC
PUNTO MUESTREO:	V-02. SALIDA
PRESION (Psi):	1102
TEMPERATURA (°F):	95
FECHA DE MUESTREO:	01-05-18
Nº DE INFORME:	1
FECHA DE INFORME:	6-1/2018
FECHA - HORA DE ANÁLISIS:	01-Jun-18, 14:49:52
ANÁLISIS:	CRC: IATOGRAFIA DE GASES

COMPONENTES	PORCENTAJE MOLAR
Nitrógeno	0.3580
Dióxido de carbono	1.7410
Metano	85.9544
Etano	6.6382
Propano	2.9561
i-Butano	0.3924
n-Butano	0.8823
i-Pentano	0.2767
n-Pentano	0.2784
Hexanos	0.2653
Heptanos	0.1632
Octanos	0.0524
Nonanos	0.0016
TOTAL	100.0000

