

COMPONENTS AND MATERIALS

#	DESCRIPTION	STEEL	QTY.	FUNCTION
1	H. COUPLING Ø1/4" NPT (Ø Ext. 3/4") (T-235)	SA-105	1	LEVEL 75%
2	H. COUPLING Ø1/4" NPT (Ø Ext. 3/4") (T-235)	SA-105	1	LEVEL 80%
3	H. COUPLING Ø1/4" NPT (Ø Ext. 3/4") (T-235)	SA-105	1	LEVEL 85%
4	H. COUPLING Ø1/4" NPT (Ø Ext. 3/4") (T-235)	SA-105	1	LEVEL 90%
5	H. COUPLING Ø1/4" NPT (Ø Ext. 3/4") (T-235)	SA-105	1	MANOMETER CONNECTION
6	THERMOCOUPLE Ø1/2" NPT (Ø Ext. 1 1/4")	SA-105	1	THERMOMETER CONNECTION
7	H. COUPLING Ø2 1/2" NPT (Ø Ext. 3 5/8")	SA-105	1	MAGNETEL
7a	ADAPTER FOR MAGNETEL (T-038)	STEEL	1	MAGNETEL
8	STUD-OUTLET FLANGE Ø4" NPS-300#	SA-105	1	LIQUID OUT FROM PUMP
9	H. COUPLING Ø2" NPT CL. 3000# (G-04)	SA-105	1	LIQUID OUT (BY PASS)
10	H. COUPLING Ø3" NPT CL. 6000#	SA-105	4	LIQUID IN / LIQUID OUT / PSV
11	H. COUPLING Ø2" NPT CL. 3000# (G-04)	SA-105	1	VAPOR IN/OUT
12	MANHOLE Ø16" INT. (T-054)	SA-516-70	1	MAN HOLE
12a	MANHOLE BLIND Ø16" INT. (T-054)	SA-516-70	1	MAN HOLE
13	PLATE 0.50" x 119" x 278.63"	SA-612	2	SHELL
13a	PLATE 0.50" x 52" x 278.63"	SA-612	1	SHELL COMPLEMENT
14	PLATE 5/16"	SA-455	2	HEADS
15	PIPE Ø8" NPS	SA-53-B	1	MAGNETEL ARRANGEMENT
16	PIPE Ø8" NPS	SA-53-B	1	INDICATORS ARRANGEMENT
17	PIPE Ø8" NPS	SA-53-B	2	SAFETY VALV. ARRANGEMENT
18	PLATE 0.725" OR 0.5"	SA-612	4	LIFTING LUGS
19	ASME NAME PLATE PD-26	SA-240-304	1	NAME PLATE
20	NOM NAME PLATE PD-16	SA-240-304	1	NAME PLATE

DESIGN DATA (D.D.):

- MATERIALS SPECIFICATIONS
SHELL: SA-612.
HEADS: SA-455
NOZZLES: SA-105.
MAN HOLE: SA-516-70
BASES PLATES: SA-36 y SA-455
INTERNAL PIPING: SA-53/SA-106(A or B)
FITTINGS: SA-36/SA-455/SA-414-G
- DIMENSIONS & TOLERANCES
FILLET WELD: -0/+ AS WELDED
LINEAL: +/- 1/4"
ANGLES: +/- 5"
- ALL DIMENSIONS FOR WELDED JOINTS ARE MINIMUM DISTANCES
- DESIGN DATA
DIMENSION: 38 000 L +/- 2%
MAWP: 250 psi
DESIGN TEMPERATURE: 125 °F
MINIMUM DESIGN TEMPERATURE: 32 °F
CORROSION ALLOWANCE: 0" NOT CORROSIVE SERVICE
HYDROSTATIC TEST: 325 psi
-GARLOCK BLUEGARD 3000 SHALL BE USED IN THE MANWAY FLANGE FOR THE HYDROSTATIC TEST.
-GARLOCK BLUEGARD 3000 PACKING OF 1/8" WILL BE USED FOR HERMETIC SEAL ON THE ENTRY OF THE MANWAY FOR ITS SHIPMENT.
RADIOGRAPHIC EXAMINATION:
100% LONGITUDINAL SEAM
100% HEAD-SHELL
100% SEAM HEADS
100% SHELL-SHELL
IMPACT TEST: EXEMPTED BY UCS-66 (a) AND UG-20 (f)
WELDING DETAILS IN COMPLEMENTARY DRAWINGS
SERVICE: L.P. GAS
HEAT TREATMENT: YES, 1 100 °F (595 °C) FOR 1 hr.
"U" ASME CODE STAMPED : YES
SEC. VIII DIV.1 ED.2021
CASES CODE: NONE
ESTIMATED WEIGHT: 12 000 kg
GROSS VEHICLE WEIGHT RATING:
(WEIGHT + GAS @ 90% , 0.54 DENSITY) = 30 468 kg

GENERAL NOTES (G.N.):

- ALL WELDING AND WELDING MATERIALS SHALL BE ACCORDING WITH SECT. IX AN II OF ASME CODE AND APPROVED WELDING PROCEDURES OF CORPORACIÓN TESCA
 - ALL THE DIMENSIONS INDICATED ON A CURVE SURFACE ARE ALONG THE CURVE SIDE
 - MECHANICAL CLEANING SAND-BLAST, THE VESSEL WILL BE DELIVERED WITH A PRIMARY EPOXY NON- CORROSIVE COATING AND WHITE POLYURETHANE PAINT
 - THE NOZZLES WILL BE IDENTIFIED WITH THE LETTER "L" OR "V" ACCORDING TO SERVICE AND PROVISIONALLY PROTECTED TO AVOID SCALE
 - ADDITIONAL MATERIALS TEST:
TENSION TEST AS REQUIRED BY SA-20; PARAGRAPH 11.1.2
- EQUIPMENT :
- (2) 30 000 LB INTRAAX AAEDT AIR SUSPENSION, 71 1/2" TRACK
15" RIDE HEIGHT
RETRACTIBLE AXLE IS NOT INCLUDED
IS NOT INCLUDED ROLL-OVER STABILITY SYSTEM
IS NOT INCLUDED TYRE INFLATION SYSTEM .
 - SINGLE TIRE-HOLDER.
 - INCLUDES EXTINGUISHER-HOLDER WITH EXTINGUISHER LOCATED IN THE TIRE-HOLDER.
 - LIQUID LEVEL GAUGE MAGNETEL.
 - MAX. FILLED GAUGE 1/4" NPT FOR 75%,80%,85% Y 90%.
 - THERMOMETER WITH THERMOWELL 1/4" NPT
 - PRESURE GAUGE 1/4" NPT
 - 24 1/2" STEEL WHEELS WITH MICHELIN TIRES
 - (3) BREAKWATER INSTALLATION
 - SINGLE LANDING GEAR
- ALL LIGHTS ARE LED TYPE. (HEADLIGHTS, STOP, SIDES AND CLEARANCE)
 - SET OF STEEL MUDGUARDS ON THE REAR WHEEL
 - SET OF REAR FENDERS.
 - PURGED SYSTEM OF GLOBE VALVES MUST RELIEF TO THE TOP OF THE TANK.
 - REGULATORY LIGHTS, 12V ELECTRICAL SYSTEM AND VAPOR PROOF.
 - UNIT INCLUDES 4" (102mm) ALUMINUM TUBE HOSE HOLDER AND 6" (152mm) WITH 5 mts OF Ø1" AND 2" HOSES WITH ACME ADAPTERS.
 - CABLE CLAMPS FOR MECHANICAL ACTIVATION FOR INTERNAL VALVES.

OUTLETS

- PUMP LIQUID LINE SUCTION Ø4" NPS FLANGE WITH:
R1- (1) INTERNAL VALVE FLANGED Ø4" REGO A3219FA600L.
R2- (1) PUMP Ø4" NPT BLACKMER TLGLF4.
R3- (1) HYDRAULIC DRIVE PACKAGES BLACKMER 2" THROUGH 4" PUMP MODELS.
- LINE FOR BYPASS WITH :
S1 - (1) BACK PRESSURE VALVE Ø2" NPT REGO A3186.
S2 - (2) BY-PASS Ø2" NPT BLACKMER BV2.
S3 - (3) GLOBE VALVES Ø2" NPT SERIES T-444 WORCESTER.
- (2) LINES FOR LIQUID INLET / LIQUID OUT Ø3" NPT WITH:
T1 - (2) INTERNAL VALVE Ø3" NPT REGO A3213R400.
T2 - (2) GLOBE VALVE Ø3" NPT PYPESA 001E611.
T3 - (2) ADAPTER Ø3" NPT- Ø3 1/4" ACME - PYPESA 003AE32.
- LINE FOR RETURN VAPOR Ø2" NPT WITH :
U1 - (1) INTERNAL VALVE Ø2" REGO A3212R250.
U2 - (1) GLOBE VALVE Ø2" PYPESA 001E607.
U3 - (1) ADAPTER Ø1 1/4" NPT- Ø3/4" ACME- PYPESA 003AE13.
- ARE NOT INCLUDED LIQUID METER AND ELECTRONIC REGISTER.
W.- IS NOT INCLUDED REEL WITH HOSE.
X.- IS NOT INCLUDED SOLENOID VALVE.
Y.- IS NOT INCLUDED QUICK ACTING HOSE FOR DELIVERY.

WELDING	DECM	05/09/22	FECHA
	CEPVS	05/09/22	FECHA
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TELÉFONO DE EMERGENCIAS	CLIENTE	-----	
COPIA CONTROLADA	PROTECCION		
BOCULA C/E	FECHA	ACTUACION	cm. [Pulg.]



DESIGN & GENERAL NOTES
L.P. GAS SEMITRAILER
38 000 L - Ø233cm

REV	APPROVED	DATE	DESCRIPTION
01	CEPVS	20/09/22	ISSUED FOR APPROVAL

HJA 2/2
DIBUJO Y-2116-1
REV 01
CODIGO