

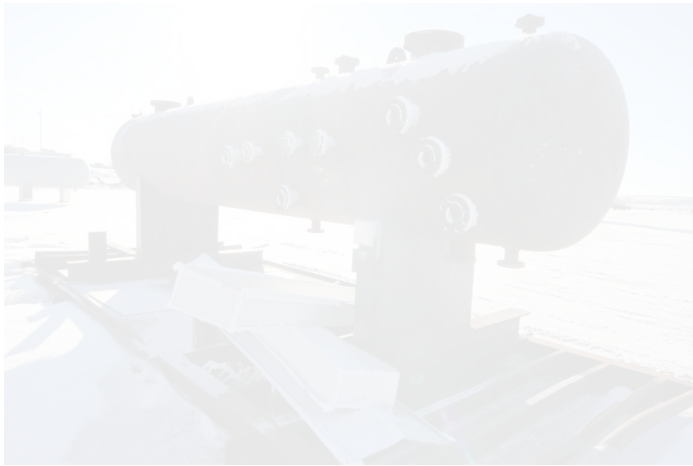
SEP-48x20-H-1440-3PH-VO

Link: https://supplychain.requis.com/preview/requis_marketplace/asset_records/24821.pdf

Location: , Canada

Price Per Unit: CAD \$110,000.00

Quantity Available: 1



Product Details

Name	SEP-48x20-H-1440-3PH-VO
Quantity	1
Sku	(SP-10500)
Model	48" x 20' Horizontal Separator 1440 psi sour, NEW Surplus
Manufacturer	oilpro
Condition	new
Inventory Type	Surplus
Seller	OilPro Oilfield Production Equipment Limited.
Country	Canada
Catalog Links	ASMESectionVIII.Div.1
Certification Links	ASMESectionVIII.Div.1
Specification Links	V-100148&ID&X20&TM- 0&S/Sx1440psiMAWPHORIZONTALSEPARATORConstructedwith Albertaregistration1/8&corrosionallowance130&Fdesigntemperatur eInletdiverterliftlugs6&thickx9lb/ft3mistexRadiography:RT- 1M.D.M.T.- 20F@1440psigDesigned3phaseVESSELCONNECTIONS:N1GasInle t1-8&NP&SCL600RFHBN2GasOutlet1- 8&NP&SCL600RFHBN3WaterOutlet1- 4&NP&SCL600RFHBN4CondensateOutlet1- 3&NP&SCL600RFHBN5A/BH2OBridles2- 2&NP&SCL600RFLWNN6A/BOilBridle2- 2&NP&SCL600RFLWNN7HLS&D1-3&NP&SCL600RFHBN8LL&SD1- 3&NP&SCL600RFHBN9PSV1-3&NP&SCL600RFHBN10Hydrovent1- 2&NP&SCL600RFLWNN11PI1-2&NP&SCL600RFLWNN12TI1- 2&NP&SCL600RFLWNN13Spare1-3&NP&SCL600RFHBN14Spare1- 3&NP&SCL600RFHBM1Manway1- 20&NP&SCL600RFHBc/wblind&Davitarm

Description

Detailed drawings upon request - All flange and open ends of piping will be covered for shipment - Bare steel vessel; no blasting or painting currently included - Quoted as per OilPro Drawing 4460-01 Rev 2 3.0 MATERIAL SPECIFICATIONS Pressure Vessels Heads SA-516-70-N Shell SA-516-70-N Saddles SA-36 Pipe SA-106-Gr.B SMLS Flanges SA-105-N Weld Ftg SA-234-WPB 4.0 TESTING / PWHT SPECIFICATIONS Hydrotesting Pressure Vessels will be hydrotested to 1.5 Times Maximum Allowable Working Pressure as per ASME Section VIII Div.1 Radiography Vessels RT-1 PWHT Vessels Yes Ultrasonic Testing Per Code Hardness Testing Per Code Magnetic Particle Testing Per Code 5.0 PAINT AND COATING SPECIFICATIONS External Surface Preparation None Included, see options External Primer None Included, see options Vessel External Finish Paint None Included, see options Skid and Piping Ext. Finish Paint None Included, see options Internal Surface Preparation None Included, see options Internal Coating None Included, see options 6.0 DESIGN FEATURES 1. All nozzles oversized for maximized flow rates in each phase. 2. Drains feature vortex breakers for improved liquids quality. 3. Manway placement for ease of entry during equipment servicing. a. i.e. no need to crawl over weir and under mistex to access internals b. quick access to inlet diverter. 4. Optimized nozzle locations for maximum flows and optimal packaging flexibility. a. Inlet and outlet are on shell rather than heads to enable low temp piping to bolt on if client specifications require Low Temp i. This keeps packaging more compact than end-piped vessels which require a longer house ii. This allows inlet control piping and outlet metering to be easily and compactly facilitated in front of vessel without compromise to operator friendliness. b. LLSD™s on vessel, if customer prefers LLSD™s which cannot be blocked off like ones on bridles can be c. LLSD connections can also double as anode connections in case vessel is coated d. LLSD™s can still be located on bridles if that is client preference or specified. e. Multiple nozzle choices and larger outlets allow for easy accommodation of staged slug control using combination of vessel and cage-mounted LC™s. 5. Controls can be mounted directly on vessel or in external bridles. 6. Low Level Shutdowns Connections in emulsion as well as condensate phases help minimize chance of gas carry-over. 7. High Level Shutdown Connection located on vessel for ultimate reliability. a. We™ve had customers tell us they™ve had shutdown systems fail during cage block valves closure 8. Internal diverter flange allows removable elbow to be replaced in case of erosion or corrosion. a. This is often the case during fracked well cleanout phases. b. This means an inlet diverter replacement does not require vessel going out of service. 9. Inlet diverter flange allows upgrade to cyclonic inlet system for reduced residence time. (see options) 10. Removable internals for internal coating. 11. Quieting baffle can be upgraded to quieter/coalescer combination for improved separation. (see options) 12. Gas outlet spaced optimally to maximize separation and retention times while minimizing risk of liquid carry-over in case of slug formation. a. Experienced process engineers indicated that the cheaper, mistex-in pipe system often used, does not allow for enough vertical gas disengaging space between liquid level and gas outlet. b. The use of half-moon sideways facing mistex sections allows us to allocate more internal volume to separation, and use the entire surface of the mistex, rather than just a small section of downward-facing mistex pads. c. Our mistex configuration is self-draining in case of accidental flooding and continues to let out gas, whereas downward facing mistex sections can will seal up and carry over liquid in case of sudden high levels d. We have dual mistex sections to double gas capacity and separation capability. 13. Gas outlet mist removal system drains into emulsion phase, not oil phase.