

**LOT
A4**

**Overstock Surplus Inventory
FOR SALE**

**PRICE
\$10,000 USD**

9/26/2019

greg@infinitysupercritical.com

Each

10L High Pressure 2,250 psi Stainless Steel Vessel Closure

316 Stainless steel electropolished (food grade) 10L CO2 extraction vessels. Engineer peer reviewed, certified, ASME welded, with paperwork, 2,250 psi rated, includes screw on union. Union 4 inch ID: double start thread, 353 O-ring, Class 3000/6000 union. 8.17 wrench flats. Manufactured in USA.

4 inch ID by 4 feet in length. New, never used. Price each. Very heavy.



Option: Pick-up

No Charge | M-Thur 8am-3pm | By Appointment

Ferndale, Washington

Option: Shipping

(Crate | Freight | Insurance anywhere lower 48)

\$500

Sold "As-is" "Where-is" | All Sales Final | No Returns

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Essential Process Engineering

10L EXTRACTION VESSEL

- GENERAL DATA

RATED CAPACITY:	10 L OF PRODUCT
DIMENSIONS:	4.5 in. DIAMETER 50 in. TALL (APPROX) 0.34 in. WALL THICKNESS
INTERNAL VOLUME (V):	611 in ³ (APPROX)
OPERATING TEMPERATURE:	200 °F



- PRESSURE RELIEF VALVE REQUIREMENT

PRV SET PRESSURE:	2250 PSI
MIN PRV FLOW RATE:	$Q_{MIN} = 1.54 \times 10^{-3} \times P \times W_c$ - CGA S-1.1, 5.6.1
	$W_c = 22.06$ lbs Water Capacity of the Cylinder
	$Q_{MIN} = 72.13$ CFM
PRV RATED FLOW RATE:	100 CFM (SEE PRV DATA)
QTY PRVs REQUIRED:	1

- VESSEL PRESSURE RATING

MAX CERTIFIED PRESSURE: 2122.8 PSI - PER ASME BPVC VIII DIVISION I (SEE CALCS ON FOLLOWING SHEETS)

RESULT: The 10L EXTRACTION VESSEL meets ASME BPVC VIII Division I requirements for pressure vessels at 2122.8 psi.

12/8/2016
EPE Doc. 161206-1ER

Project: 161206-1 Infinity_SuperCritical
Confidential-Proprietary Document

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Supercritical CO2 USE ONLY

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