Liquid CO_2 Extractors

Specifications Guide

LA - Liquid Automated Series
HA - Hybrid Automated Series
LM - Liquid Manual Series

Revised: September 2018

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Xact Xtract Full Line of CO_2 Extractors

Model	Fully Automated	Biomass Capacity (lbs) Per Cycle	Vessel Volume (Liters)	Pump Flow Rate (L / min)	Pressure Rating (psi)
LA700	Yes	200	700	150	1200
LA400	Yes	100	400	150	1200
HA80	Yes	20-30	80	60	2000
HA40	Yes	10-15	40	60	2000
LM7	No	2	7	N/A	1200

ASME U

All Fabricated Vessels have ASME - U Stamps
American Made

UL 508A

Control Panels are UL 508A Compliant

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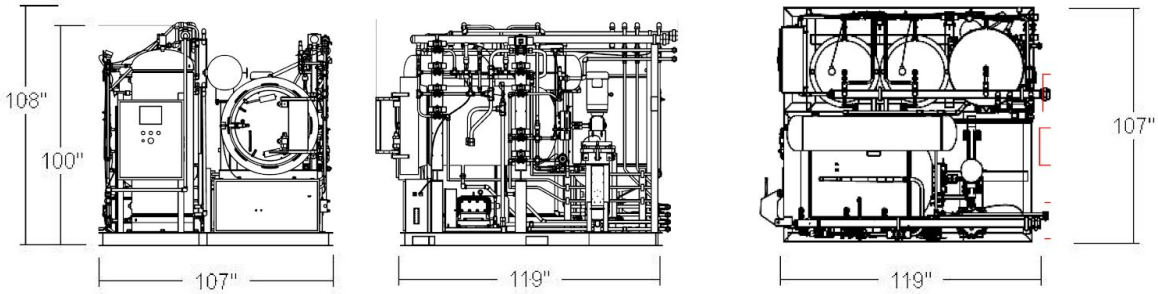
Xact Xtract LA700 Specifications

Liquid CO_2 Extractor - Automated Operation - 200 Pound Biomass Capacity



Model	LA700
Capacity	200 pounds / 90 Kg
Volume	700 Liters
Operating Pressures	100-1050 psi
ASME Vessel Rating	1200 psi
Width	107 inches
Depth	119 inches
Height	108 inches
Minimum Delivery Height	101 inches
Weight	25,000 pounds
Onboard CO2 Working Storage	1,600 liters
Pump Flowrate	150 L/min
Electrical Requirements	Machine: 230v - FLA ~ 150 (460v - FLA ~ 85)
	Outdoor Condenser: 230v - FLA ~ 80 (460v - FLA ~ 40)
Air Requirements	85 psi (7 cfm)
Chiller Requirements	None - On Board Cooling
Hot Water Requirements	Gas: >285k BTU (Electric: >100k)
CO_2 Delivery Options	Onsite Bulk Tank (275-450 psi)
	Dewars (275-450 psi)

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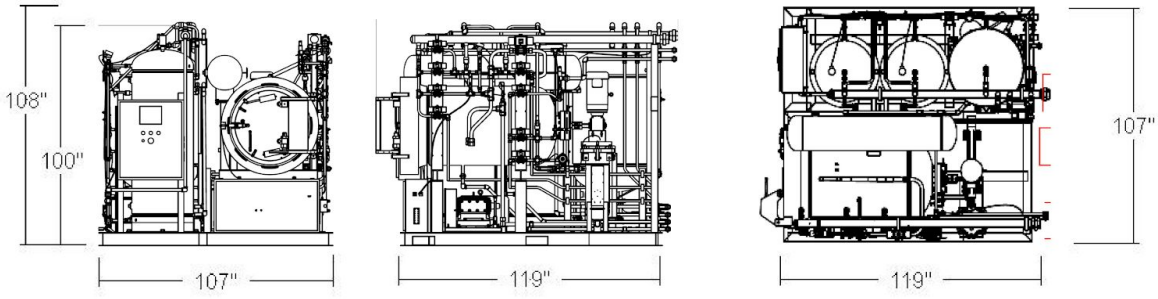
Xact Xtract LA400 Specifications

Liquid CO_2 Extractor - Automated Operation - 100 Pound Biomass Capacity



Model	LA400
Capacity	100 pounds / 45 Kg
Volume	400 Liters
Operating Pressures	100-1050 psi
ASME Vessel Rating	1200 psi
Width	107 inches
Depth	119 inches
Height	108 inches
Minimum Delivery Height	101 inches
Weight	16,000 pounds
Onboard CO_2 Working Storage	900 liters
Pump Flowrate	150 L/min
Electrical Requirements	Machine: 230v - FLA ~ 150 (460v - FLA ~ 80)
	Outdoor Condenser: 230v - FLA ~ 80 (460v - FLA ~ 40)
Air Requirements	85 psi (7 cfm)
Chiller Requirements	None - On Board Cooling
Hot Water Requirements	Gas: >250k BTU (Electric: >80k)
CO_2 Delivery Options	Onsite Bulk Tank (275-450 psi)
	Dewars (275-450 psi)

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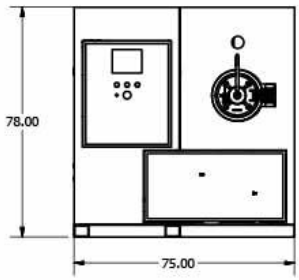
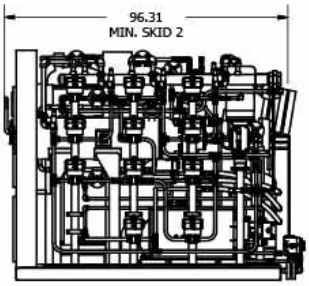
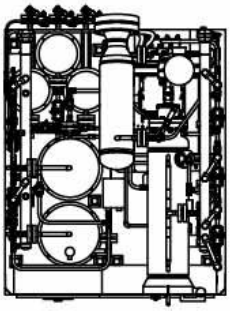
Xact Xtract HA40 Specifications

Liquid / SCF Hybrid CO_2 Extractor - Automated Operation - 10-15 Pound Biomass Capacity







Model	HA40
Capacity	10-15 pounds / 4.5-6.8 Kg
Volume	40 Liters
Operating Pressures	100-1800 psi
ASME Vessel Rating	2000 psi
Width	75 inches
Depth	96 inches
Height	78 inches
Minimum Delivery Height	78 inches
Weight	5,650 pounds
Onboard CO_2 Working Storage	150 liters
Pump Flowrate	60 L/min
Electrical Requirements	Machine: 230v - FLA ~ 150 (460v - FLA ~ 80)
	Outdoor Condenser: 230v - FLA ~ 80 (460v - FLA ~ 40)
Air Requirements	85 psi (4 cfm)
Chiller Requirements	None - On Board Cooling
Hot Water Requirements	Gas: >100k BTU (Electric: >36k)
CO_2 Delivery Options	Dewars (275-450 psi)
	Onsite Bulk Tank (275-450 psi)
	High Pressure Cylinders

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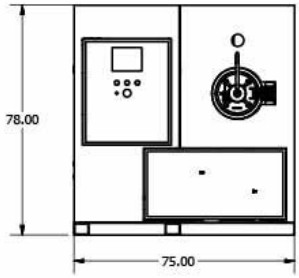
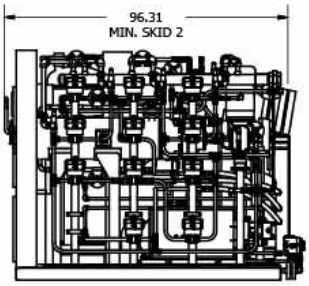
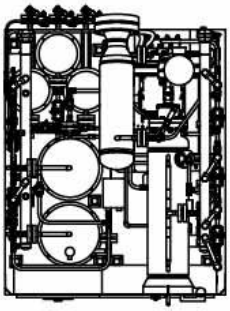
Xact Xtract HA80 Specifications

Liquid / SCF Hybrid CO_2 Extractor - Automated Operation 20-30 Pound Capacity







Model	HA80
Capacity	20-30 pounds / 9-13.6 Kg
Volume	80 Liters
Operating Pressures	100-1800 psi
ASME Vessel Rating	2000 psi
Width	75 inches
Depth	96 inches
Height	78 inches
Minimum Delivery Height	78 inches
Weight	8,850 pounds
Onboard CO_2 Working Storage	300 liters
Pump Flowrate	60 L/min
Electrical Requirements	Machine: 230v - FLA ~ 150 (460v - FLA ~ 80)
	Outdoor Condenser: 230v - FLA ~ 80 (460v - FLA ~ 40)
Air Requirements	85 psi (4 cfm)
Chiller Requirements	None - On Board Cooling
Hot Water Requirements	Gas: >100k BTU (Electric: >36k)
CO_2 Delivery Options	Dewars (275-450 psi)
	Onsite Bulk Tank (275-450 psi)
	High Pressure Cylinders

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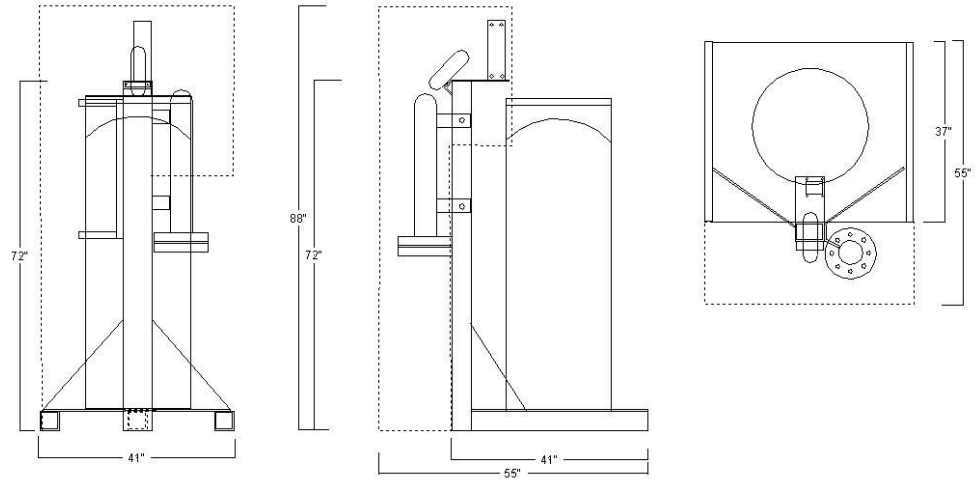
Xact Xtract LM7 Specifications

Liquid CO_2 Extractor - Manual Operation - 2 Pound Capacity



Model	LM7
Capacity	2 pounds / .9 kg
Volume	7 Liters
Operating Pressures	100-1000 psi
ASME Vessel Rating	1200 psi
Width	55 inches
Depth	41 inches
Height	88 inches
Minimum Delivery Height	72 inches
Weight	850 pounds
Onboard CO_2 Storage	200 liters / 450 liters (optional)
Electrical Requirements	None - No Electrical
Air Requirements	None - No Pneumatics
Chiller Requirements	None - On Board Cooling
Hot Water Requirements	90 - 120 F temperature >4 gpm circulation
CO_2 Delivery Options	Dewars (275-450 psi) Onsite Bulk Tank (275-450 psi) VHP recommended Direct Fill (no storage tanks) 450L recommended High Pressure Cylinders (>450 requires regulator)

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Azoth Solutions has over a decade of CO_2 solvent expertise in diverse applications, including in its supercritical state. This experience coupled with our genuine passion for this exceptional solvent has lead us to design-driven solutions in its superior form: Liquid.

Our Liquid CO_2 horticulture extraction technologies deliver clients the exact extract they target from their botanicals. Efficiency is at the core of every Azoth Solutions engineering design be it footprint, power requirements, or operator flexibility and labor. As with all Azoth Solutions products we start with our core cost-containment philosophy of 'efficient designs deliver exceptional results'.

Quality Component Vendors

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ABB	EMERSON	CHART Innovation. Experience. Performance.
	TRANE	

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