



Hydraulic Gas Compressor Series

Informational Guidelines

Commercial Series:

Extractor Volume	Model Number	Biomass Capacity*	Price	Flow-rates**	Runs Daily***
10 Liters	CDMH.5-2x-2f	5 LBS	\$165,000.00	1.5 KG/Min	6-7
20 Liters	CDMH.10-2x-2f	10 LBS	\$220,000.00	2.6 KG/Min	6-7
40 Liters	CDMH.20-2x-2f	20 LBS	\$340,000.00	4.2 KG/Min	4-5

Industrial Series:

Extractor Volume	Model Number	Biomass Capacity*	Price	Flow-rates**	Runs Daily***
100 Liters	CDMH.50-2x-2f	50 LBS	\$525,000.00	8.3 KG/Min	3-4
200 Liters	CDMH.100-2x-2f	100 LBS	\$910,000.00	21.1 KG/Min	4-5
400 Liters	CDMH.200-2x-2f	200 LBS	\$1,450,000.00	42.2 KG/Min	4-5

*Biomass capacity based on material fully decarboxylated at 1% moisture content and approximately 200 +/- micron grind

**Flow-rates based on solvent condition of 2850 PSI @ 42°C with a pump inlet density of 99.8KG/m3 and biomass with a 12% oil content

***Daily runs based on 24-hour operation at the outlined run-time conditions with a 95% oil extraction efficiency. Extractors with volumes of 10-40L will have an average charge/recovery/load time of 30 mins. Extractors with volumes greater than 40L will have an average charge/recovery/load time of 1 hour

- INDUSTRY LEADING FLOW-RATES
- 100% TRUE AUTOMATION
- SUB & SUPER-CRITICAL EXTRACTION CAPABILITIES
- ENGINEERED HEAT EXCHANGERS
- INDUSTRY LEADING RUN-TIMES
- HYDRAULICALLY DRIVEN GAS BOOST PUMPS
- FULLY AUTOMATED CONTROL SYSTEM
- 100% COMMUNICATION WITH ANCILLARY EQUIPMENT
- WIDE RANGE OF PARAMETERS
- EASY OPEN ENCLOSURES
- MOBILE CASTERS



CDMH.20-2X-2F



SUPER-CRITICAL CO2 EXTRACTION EQUIPMENT

FOUNDED IN 2012, ISOLATE EXTRACTION SYSTEMS INC. (IES) MANUFACTURES SAFE, HIGH QUALITY, FOOD GRADE SUPER-CRITICAL CO2 EXTRACTION MACHINES BACKED BY EXPERT SERVICE AND CUSTOMER SATISFACTION. WE CONTINUE TO DEVELOP STATE OF THE ART TECHNOLOGY AND PROCEDURES TO MANUFACTURE THE MOST ADVANCED EQUIPMENT IN REGARDS TO: SAFETY, EFFICIENCY, RELIABILITY AND EASE OF USE. OUR EXTRACTORS ARE 100% AUTOMATED USING PROPRIETARY IN-HOUSE DESIGNED SOFTWARE. IES IS COMMITTED TO THE SUCCESS OF ALL OF OUR CUSTOMERS AND STRONGLY BELIEVE IN LONG-LASTING RELATIONSHIPS WITH ALL OF OUR CLIENTS.

WHEN OUR CLIENTS SUCCEED, WE SUCCEED

THE IES DIFFERENCE

- **ACHIEVING NO WINTERIZATION**

MANY OF OUR CLIENTS HAVE DEVELOPED PROCESSES TO ACHIEVE SHELF READY OIL STRAIGHT FROM OUR EXTRACTORS REQUIRING NO WINTERIZATION

- **INDUSTRY LEADING FLOW-RATES**

WITH FLOW-RATES UP TO 4.2 KG/MIN ON COMMERCIAL MACHINES AND 42.2 KG/MIN ON INDUSTRIAL MACHINES, YOU CAN EXPECT INDUSTRY LEADING RUN-TIMES

- **CUSTOMER SERVICE**

IES IS COMMITTED TO THE SUCCESS OF EVERY CLIENT. THAT IS WHY WE HAVE HIGHLY TRAINED CUSTOMER RELATIONS AND SERVICE TEAM MEMBERS TO ENSURE SMOOTH INSTALLATION AND MINIMIZED DOWNTIMES

- **PROFESSORS OF EXTRACTION**

OUR TEAM IS EQUIPPED WITH THE KNOWLEDGE AND EXPERTISE TO NOT ONLY UNDERSTAND OUR CLIENT'S SPECIFIC NEEDS, BUT TO MAKE SUGGESTIONS TO BETTER FINE-TUNE THE PROJECT

