

CDMH.200-2x-2f

Unleash Pure Potential: The CDMH.200-2X-2F Industrial CO2 Extraction System

Revolutionizing the Extraction Industry with Natural Solutions

The demand for natural products is booming across various industries. Isolate Extraction Systems stands at the forefront of this movement, offering the CDMH.200-2X-2F – a high-performance industrial CO2 extraction system designed to empower businesses within the extraction industry. This innovative machine utilizes supercritical CO2 extraction methods, a superior method compared to traditional solvent-based techniques.

Beyond Traditional Extraction: Safe and Efficient CO2 Technology

Traditional extraction machines often rely on harsh solvents that can contaminate the final product, raising safety concerns and potentially altering the quality of the extract. The CDMH.200-2X-2F eliminates these risks. By leveraging supercritical CO2, a naturally occurring gas transformed into a powerful solvent under specific pressure and temperature conditions, this system guarantees a clean and safe extraction process. Supercritical CO2 acts selectively, meticulously dissolving and extracting the desired bioactive compounds from your botanical materials, resulting in a quality extract unlike any other.

The CDMH.200-2X-2F: A Powerhouse for Efficiency and Control

Engineered for industrial applications, the CDMH.200-2X-2F boasts a range of impressive features that cater to the needs of the extraction industry:

Unmatched Versatility: Perform both subcritical and supercritical extractions, offering maximum flexibility to adapt to your specific needs and materials.

Unwavering Efficiency: The hydraulically driven gas booster pump ensures optimal flow rates, maximizing yield and minimizing processing times. This translates to significant cost savings in the long run compared to other extraction machines.

Uncompromising Control: The fully automated control system with a user-friendly touchscreen interface empowers you to precisely control every aspect of the extraction process – from temperature and pressure to flow rate. This meticulous control translates to consistent, high-quality results, a hallmark of superior supercritical extraction systems.

Seamless Integration: 100% communication with ancillary equipment optimizes system operation and minimizes errors, ensuring a smooth and efficient workflow.

Enhanced Flexibility (Optional): Integrate ethanol co-solvent capabilities upon request for even greater extraction versatility.

Technical Excellence for Unmatched Results

The CDMH.200-2X-2F is meticulously crafted with high-quality materials and components to ensure durability and optimal performance within the extraction industry:

Durable Construction: High-quality 316L stainless steel guarantees longevity and optimal cleanliness throughout the extraction process.

Intuitive Operation: The user-friendly touchscreen control panel simplifies operation and monitoring, allowing for effortless parameter adjustments.

Powerful Vacuum Pump: This crucial component facilitates efficient extraction by creating the necessary pressure differential.

High Capacity: Process up to 30-40 pounds of dry material, making the CDMH.200-2X-2F ideal for large-scale operations. Additionally, the coalescing filter ensures optimal filtration of the extraction solvent.

Optimizing Efficiency: Pressure and Temperature Control

The CDMH.200-2X-2F operates within a precise pressure range of 400 to 650 psi (27.5 to 44.8 bar) and a temperature range of 65° to 140°F (18° to 60°C) to ensure optimal extraction efficiency. These parameters allow for the targeted extraction of desired compounds while preserving their potency and quality, a key factor for businesses in the natural products industry.

Powering Your Success with a Cost-Effective Solution

The CDMH.200-2X-2F operates on a standard 208-240V three-phase power supply, ensuring compatibility with most industrial electrical setups. The system's electrical consumption is optimized for efficient operation, minimizing energy waste and contributing to a lower overall cost factor compared to other extraction machines. For seamless installation, consult with an electrician to guarantee proper power connection based on your specific electrical code and regulations.

The Isolate Extraction Systems Advantage: Beyond Equipment

At Isolate Extraction Systems, we are committed to providing our clients with not only industry-leading CO2 extraction methods but also exceptional customer service. We offer comprehensive support to ensure you get the most out of your CDMH.200-2X-2F system, maximizing your success within the extraction industry.

Ready to Embrace the Power of Natural Products?

Contact Isolate Extraction Systems today to learn more about the CDMH.200-2X-2F and how it can revolutionize your botanical extraction process.

Features:

Sub & Supercritical Extraction Capabilities

Hydraulically Driven Gas Booster Pump

Fully Automated Control System

100% Communication with Ancillary Equipment

Ethanol Co-Solvent Available Upon Request