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SUMMER 2021 - Beat the heat ☀️ with our Emissions Reduction and Thermal Application Solutions



Emissions Reductions

Compact Compression is Positioned to Help Customers Achieve Emissions Reduction Targets

New regulations are requiring producers to capture produced gas and process it, use it as fuel on location or sell it.

Compact Compression has provided our customers simple, reliable, cost-effective, fit-for-purpose solutions for emissions reduction and vapor recovery.

For 20 years, we have been working with Operators to deliver **No Hassle compression technologies designed to capture gas that would otherwise be vented or flared**, enabling the operator to benefit by using it as a fuel source, to boost production or to turn it into an additional revenue stream. Our array of technologies are able to deliver gas from a low inlet pressure environment to much higher pressure flowlines, fuel lines, compressor return lines or further downstream in transmission pipelines.

Compact Compression is partnered with Canadian and International Producers to ensure emissions standards are achieved and surpassed. We are committed to helping our customers achieve their ESG targets.



WGC - Wet Gas Compressor

Able to handle up to 150% of the maximum volume of our largest HCG units with liquid fractions of up to 100%. These units are built to handle dirtier gas streams containing contaminants such as liquids, chemicals, asphaltenes, CO₂ and other gases and corrosive elements. They can operate with a differential pressure of up to 480 psi and have a Gas Flow Range of 35 – 750 mscfd.



MPTP - Multiphase Transfer Pump

Our cost-effective solution to multiphase pumping can handle liquid rates of up to 16,000 bpd (2660 m³/d) and continuous gas volume fractions of up to 100% with differential pressure of 350 psi (2415 KPa).



HCG - Hydraulic Casing Gas Compressor

Operates at a differential pressure of up to 380 psi and is designed to process liquid at high fractions or in slugs directly through the compression



PSC - Pipeline Service Compressor

This 175hp 2-stage (reciprocating and rotary screw) natural gas compression system is perfect for evacuating pipelines with pressures up to 1200 psi (8275 KPa). Multiple PSCs can be run in parallel for larger jobs, ensuring

element. These versatile units are built for low volume gas applications with a Gas Flow Range of 0 – 500 mscfd (HCG50).

safety, efficiency and operations schedules are maintained. Units can be safely operated in built-up urban areas as no gas is released during operations. They are equipped with remote monitoring capability, PLC control and full automation via user configured parameters and setpoints.

Thermal Application Solutions

Compact Compression provides customers the flexibility to optimize wells or pads with a large range of production capacity and the ability to process fluids. We supply a reliable, fit-for-purpose design for casing gas applications and our No Hassle installation, setup, operations and maintenance.

[Read more...](#)

Compact Compression Thermal Solutions

Hydraulic Casing Gas Compression on Thermal Wells for Increased Production

Applicable to Thermal wells of all types

- ✓ BSGO production
- ✓ Cyclic steam
- ✓ Cold and Storage wells

Compact Compression Thermal Solutions and Benefits

- ✓ Eliminates pressure restrictions caused by bottlenecked, undersized flowlines
- ✓ Condenses the steam phase to water using an Inlet Cooler, freeing capacity for non-condensable gases
- ✓ Lower casing pressure to promote better inflow and increase pump-out to optimize production
- ✓ Protect artificial lift systems from damage due to gas interference and increase volumetric efficiency

Compact Compression systems provide customers the flexibility to optimize wells or pads with a large range of production capacity and the ability to process fluids. We supply a reliable, fit-for-purpose design for casing gas applications and our No Hassle installation, setup, operations and maintenance.

Western Canada Thermal Project

Compact Compression is currently working with a Western Canadian Thermal Heavy Oil Customer in East Central Alberta to optimize biomass production from 3 wells on a pad with a single casing manifold. Two HCG50 Compressors will be run in parallel with a well Inlet Cooler. We process 11.5 mscfd. Incremental oil production from the wells is expected to increase by 20% to 200% with Compact Compression services in place. Based on production increases, the customer anticipates recovery of the cost of Compact Compression equipment within a few weeks!

Production	Before m³/d	After	
		Incremental m³/d	Total m³/d
Oil	40	40	80
Gas	0.25	3.25	3.50
Water	40	75	115

Unloading of Thermal Wells after Shut-In

Compact Compression can supply our trailer-mounted Multi-Phase Transfer Pump units for management of thermal wells on blow down after shut-in, prior to restart or well intervention operations. These wells will easily and quickly manage the built-up pressure and move the production up to 100% liquid fraction to the flowline, allowing the operator to restart or work over the well more than a week, on average, sooner than sending to the flowline.

Projected Incremental Production

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Supply Chain and Materials Challenges

Vendors across all areas of the business are experiencing materials and supply shortages in part due to the lingering impact that COVID-19 has had on all

industries. We are actively identifying additional suppliers in order to keep up with customer needs while maintaining service delivery excellence and quality control. We replaced our former provider of control panel enclosures with a local manufacturer allowing us better access and control of supply and the ability to support Canadian business.

Compact Compression is working diligently to maintain delivery consistency and pricing for our customers while we work with vendors to sort out shortages. However, we are seeing significant increases in cost from all suppliers. To help manage the uncertainty in our manufacturing, service, freight and transport costs, pricing included in our quotes will have a maximum validity period of 15 days. Price increases for parts sales will be communicated to our customers 15 days in advance of the effective date.

New General Manager - Steve Dallison

Compact Compression would like to welcome our new General Manager, Steve Dallison to the team!

Prior to joining in June 2021, Steve spent 25 years in Operations, Sales and Business Development. After earning a BSc in Environmental Microbiology from the University of Alberta and a degree in Petroleum Engineering Technology from SAIT, Steve went to work for Schlumberger, leading the Directional Drilling business, achieving substantial growth and a #1 market position in Canada. He also worked with Oilflow Solutions (Secure Energy) as Vice President – Operations, where he helped the company to develop into a thriving Energy Service Business and establish an international footprint.




Steve has a passion for building strong organizations and achieving his goals. He has used his talent for developing high-performance, aggressive, diverse, multi-functional teams to take each of the organizations he has worked with to high levels of success. He brings these strengths and experience to Compact Compression where he will focus on the company's continued

market share growth and development of industry leading compression technologies.



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