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Compact Compression calls Calgary home and has been providing innovative compression solutions under 100 hp for nearly 20 years. Our compressors are installed in BC, Alberta, Saskatchewan and Manitoba, we have recently expanded into international markets: USA, Europe, Middle East, South America and Australia.

Introducing the newest member of our product family – the Multiphase Transfer Pump

Compact Compression's [Multiphase Transfer Pump \(MTP\)](#) is directly descended from the ground-breaking HCG Compressor, several of which have been employed in multiphase pumping service. Its principle of operation is very similar to the HCG Compressor with several key enhancements to product design and materials to increase performance, reliability and serviceability for multiphase pumping applications.





The MPTP is specifically designed for use at a satellite or header where production from multiple wells is collected. The resulting drop in flowline and casing annulus pressure allows the wells feeding into the MPTP to produce more.

The MPTP costs less than installing individual casing gas compressors on each well, has more throughput with less peak power demand and has a lower maintenance cost than an HCG Compressor operating in multiphase service.

The MPTP features the following capabilities:

- Capable of liquid fractions 0 – 100%
- Liquid rates up to 2660 m³/d (16,730 bpd)
- Maximum ΔP up to 2415 kPa (350 psi)
- Handles wide range of API gravity & viscosity
- 100% turndown capability
- No minimum liquid volume required through pump
- Highly tolerant of entrained solids
- Extremely robust intake and discharge valve design
- Optimized power utilization
- Seals can be easily replaced on site
- No additional lifting equipment required for servicing
- Superior user interface – web browser HMI

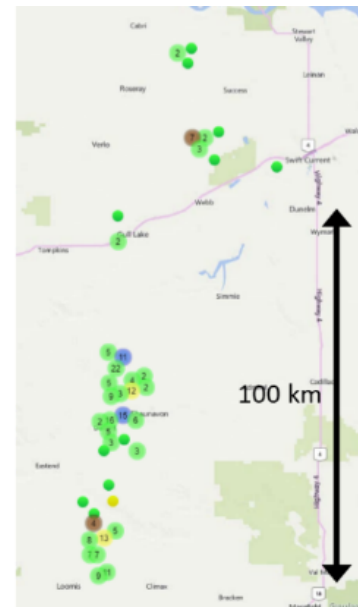
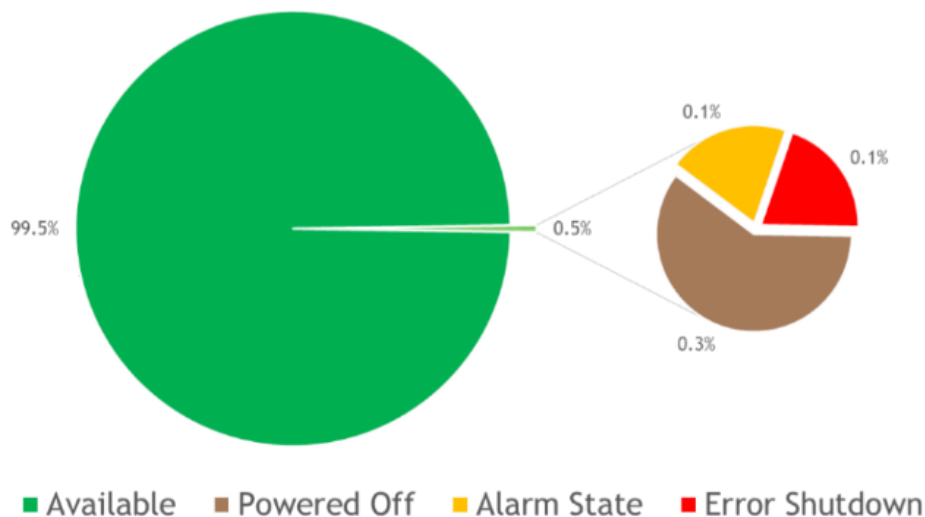
Separate pumps, compressors, separators, flares and process control systems at satellites can be eliminated with the MPTP. It can replace aging and maintenance intensive field infrastructure, reducing field OPEX. Lead times for new equipment, turnaround time for repairs and maintenance, capital costs and operating expenses are all **an order of magnitude less** compared to typical twin-screw multiphase pumping systems.

CCI's [No Hassle Service Plan](#) is an integral part of the MPTP system, providing cost certainty for maintenance and achieving the maximum equipment uptime possible.

Our Award-Winning Hydraulic Casing Gas Compression Technology

We listened to what our customers had to say about their experience and perception of casing gas compression: inconsistent performance, inability to handle liquids well, poor capacity control, frequent breakdowns and high maintenance costs. As a result of the feedback, we took a clean-sheet design approach and created a fit-for-purpose, simple and reliable, electric-over-hydraulic reciprocating compressor easily configurable for a wide range of pressures and volumes.

30 day Average Uptime, 210 units, single service technician



Compact Compression was recognized for the innovative HCG Compressor, capturing the Champion award in the Production category in the inaugural [2019 Energy Excellence Awards](#).

What does the future hold for Compact Compression?

One thing is for certain: we've never been content with the status quo. Innovation is deep within our spirit. You can look forward to seeing more innovative compression technologies from us in the very near future.

To get on board with the latest, most cost-effective technologies for casing gas compression and multiphase boosting get in touch with us at:

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NEW SHOWCASE DIRECTORY COMPANIES



Some of the key advantages of the [HCG Compressor](#) are:

- 100 per cent turndown
- able to handle high amounts of liquids
- compatible with sweet or sour gas
- has a small footprint
- operates independently of the artificial lift system
- has no troublesome process valves or vessels
- noise levels below that of a pumpjack

The liquid handling capability of the HCG compressor is demonstrated in this video.

HCG15 Liquid Handling



Secondly, we developed a no-hassle, all-inclusive, fixed-rate service plan that provides cost certainty for the ongoing maintenance of the equipment. The [No Hassle Service Plan](#) also includes continuous upgrades and improvements, so that your HCG compressor is always guaranteed to be at the same level of performance as one fresh off our factory floor.

When considering a population of casing gas compressors, the cost of ownership of the HCG Compressor is significantly less than that of other types of casing gas compressors. This is a direct outcome of the fit-for-purpose design and IoT-enabled predictive analytics that enables demand-based service rather than a fixed interval schedule. Operators' time is freed up to look after critical and meaningful activities in the field rather than fixing broken compressors.

Our customers have benefited from increased oil production, reduced methane emissions, reduced exposure to driving risk, and best-in-class compressor uptime and maintenance costs. Natural gas engine driven models are available, as are portable units for testing well response to casing gas compression. HCG Compressors are available for purchase or for rent.

