



*No Hassle Compression*

## **NEW COMPRESSION ELEMENT**

- Processes Liquids
- Works With Any Lift System
- No Process Valves or Vessels
- Automated Capacity Control
- SkyView - Satellite Reporting
- Set & Forget PLC Control

# **H C G** HYDRAULIC CASING GAS COMPRESSOR



*'A new solution for an old problem'*

## APPLICATIONS

Casing Gas Compression (Sweet & Sour Service)  
Wellhead Optimization  
Multi-phase Pump  
Poor Boy Gas Lift  
Pigging



## FEATURES

- Simple and reliable
- Low capital, installation & operational cost
- Fit for purpose design for low volume casing gas applications
- Independent of lift system
- Eliminates issues common with conventional casing gas compressors
- Compressor will adjust cycle rate to match flow
- 100% turn down
- Easy and inexpensive to move
- No Hassle Service Plan (NHSP)
- Test trailer available



15hp HCG Gas Drive Trailer

## OPTIONS

- Inlet Particle Filter
- Hydraulic Heat Trace
- Skid or Trailer Mounted Units Available
- Electric or Gas Drive Engine Power Packs

# HCG15 15hp Hydraulic Casing Gas Compressor

Ideal for Single Well Applications

## CHC0615 with HC613 Compressor

## CHC0615 with HC616 Compressor

		DISCHARGE PRESSURE Max ΔP: 225 psi / 1550 kPa							
		75	100	125	150	175	200	225	250
		520	700	860	1035	1205	1380	1550	1725
SUCTION	5 35	37 1.1	36 1.1	35 1.0	34 1.0	33 0.9	32 0.9	32 0.9	
	10 70	47 1.4	46 1.4	46 1.3	45 1.3	44 1.3	43 1.2	42 1.2	
20 140	5 35	69 2.1	68 2.0	67 2.0	66 1.9	65 1.9	64 1.9	63 1.8	
	10 70	90 2.7	89 2.7	88 2.6	87 2.6	86 2.5	85 2.5	84 2.5	83 2.4
30 210	5 35	112 3.4	110 3.3	109 3.3	108 3.2	107 3.2	106 3.1	105 3.1	104 3.0
	10 70	133 4.0	132 4.0	131 3.9	129 3.9	128 3.8	127 3.8	126 3.7	125 3.7
40 275	5 35	186 5.3	184 5.3	183 5.2	181 5.2	180 5.2	179 5.1	177 5.1	
	10 70		238 6.8	237 6.8	235 6.7	233 6.7	232 6.6	230 6.6	

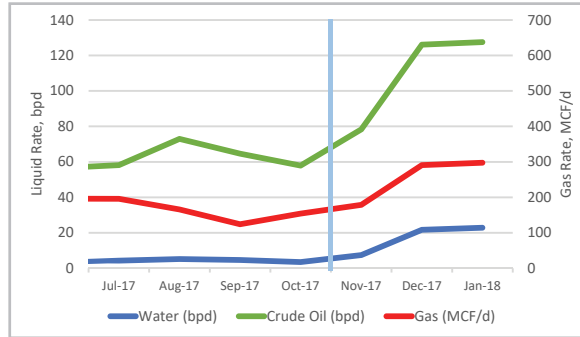
		DISCHARGE PRESSURE MaxΔP: 350 psi / 2410 kPa							
		200	250	275	300	325	350	375	400
		1380	1720	1900	2070	2240	2410	2590	2760
SUCTION	5 30	20 0.6	19 0.5	18 0.5	17 0.5	16 0.5	16 0.5		
	10 70	27 0.8	26 0.7	25 0.7	24 0.7	23 0.7	23 0.7		
20 140	5 30	41 1.2	39 1.1	39 1.1	38 1.1	37 1.1	36 1.0		
	10 70	55 1.6	54 1.5	53 1.5	52 1.5	51 1.5	50 1.4	49 1.4	
30 210	5 30	70 2.0	68 1.9	67 1.9	66 1.9	65 1.9	64 1.8	63 1.8	
	10 70	84 2.4	82 2.3	81 2.3	80 2.3	79 2.3	78 2.2	77 2.2	76 2.2
40 280	5 30	114 3.3	113 3.2	112 3.2	111 3.2	111 3.1	110 3.1	109 3.1	109 3.1
	10 70	148 4.2	146 4.2	146 4.2	145 4.1	144 4.1	143 4.1	143 4.1	142 4.1

Projected Performance based on 2500 ft, gas density .665, temp 68 °F Flow Rates in **mscf** e<sup>3</sup>m<sup>3</sup>/day  
If your needs are outside this range, contact Compact Compression.



## CASE STUDY

Field: Worsley  
Formation: Montney A  
HCG: HCG50  
Oil Flow (No HCG): 58bb/d  
Oil Flow (HCG50): 128bb/d



# 50hp Hydraulic Casing Gas Compressor HCG50

Ideal for Multi-Well Pad Applications

## CHC1050 with HC1022 Compressor

## CHC1050 with HC1028 Compressor

		DISCHARGE PRESSURE Max ΔP: 225 psi / 1550 kPa							
		75	100	125	150	175	200	225	250
		520	700	860	1035	1205	1380	1550	1725
SUCTION	5 35	100 2.8	95 2.7	91 2.6	87 2.5	83 2.4	79 2.3	75 2.1	
	10 70	130 3.7	125 3.6	121 3.5	117 3.3	112 3.2	108 3.1	104 3.0	
20 140	5 35	191 5.5	186 5.3	181 5.2	177 5.1	172 4.9	168 4.8	164 4.7	
	10 70	252 7.2	247 7.1	242 6.9	237 6.8	233 6.6	228 6.5	223 6.4	219 6.3
30 210	5 35	314 9.0	308 8.8	303 8.7	298 8.5	293 8.4	288 8.2	284 8.1	279 8.0
	10 70	376 10.7	370 10.6	364 10.4	359 10.3	354 10.1	349 10.0	344 9.8	339 9.7
40 275	5 35	525 15.0	519 14.8	513 14.6	507 14.5	501 14.3	496 14.1	491 14.0	
	10 70		674 19.3	667 19.1	661 18.9	655 18.7	649 18.5	643 18.4	

		DISCHARGE PRESSURE MaxΔP: 380 psi / 2620 kPa							
		250	275	300	325	350	375	400	
		1725	1900	2070	2240	2420	2585	2760	
SUCTION	5 35	41 1.2	39 1.1	36 1.0	34 1.0	32 0.9	30 0.9		
	10 70	58 1.7	56 1.6	53 1.5	52 1.5	49 1.4	47 1.3		
20 140	5 35	93 2.7	90 2.6	88 2.5	86 2.4	83 2.4	81 2.3	78 2.2	
	10 70	128 3.7	125 3.6	123 3.5	120 3.4	118 3.4	115 3.3	113 3.2	
30 210	5 35	163 4.7	161 4.6	158 4.5	155 4.4	151 4.5	150 4.3	148 4.2	
	10 70	199 5.5	196 5.6	193 5.5	191 5.4	188 5.4	185 5.3	183 5.2	
40 275	5 35	288 8.2	285 8.1	282 8.0	279 8.0	276 7.9	273 7.8	271 7.7	
	10 70	378 10.8	374 10.7	371 10.6	368 10.5	365 10.4	362 10.3	359 10.3	

Projected Performance based on 2500 ft, gas density .665, temp 68 °F Flow Rates in **mscf** e<sup>3</sup>m<sup>3</sup>/day  
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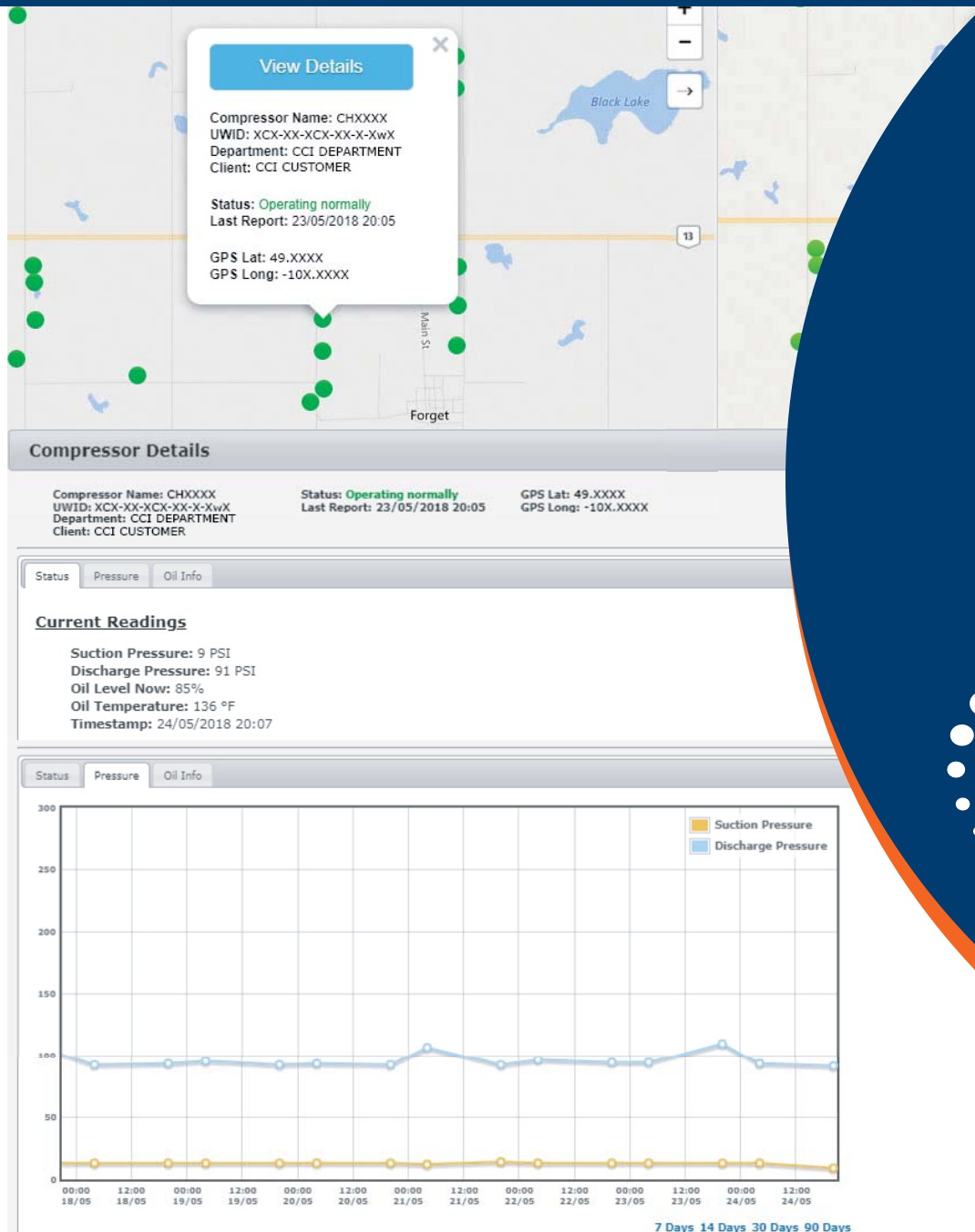
# Minimize Downtime - Maximize Savings No Hassle Service Plan (NHSP)

Our core business is casing gas compressors – design, build and service. Our all-inclusive fixed cost service plan, NHSP, ensures your HCG will be no hassle for you or your operator and minimize the overall cost of ownership.

- One low annual fixed cost
- All compressor parts & fluids
- All travel time & mileage in regular service areas
- Active product upgrade program
- SkyView reporting

## SKYVIEW – HCG Operating Data At Your Fingertips

- “Real-time” satellite reporting
- Compressor Status
- Line & Annulus Pressures
- 90-day historical data



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