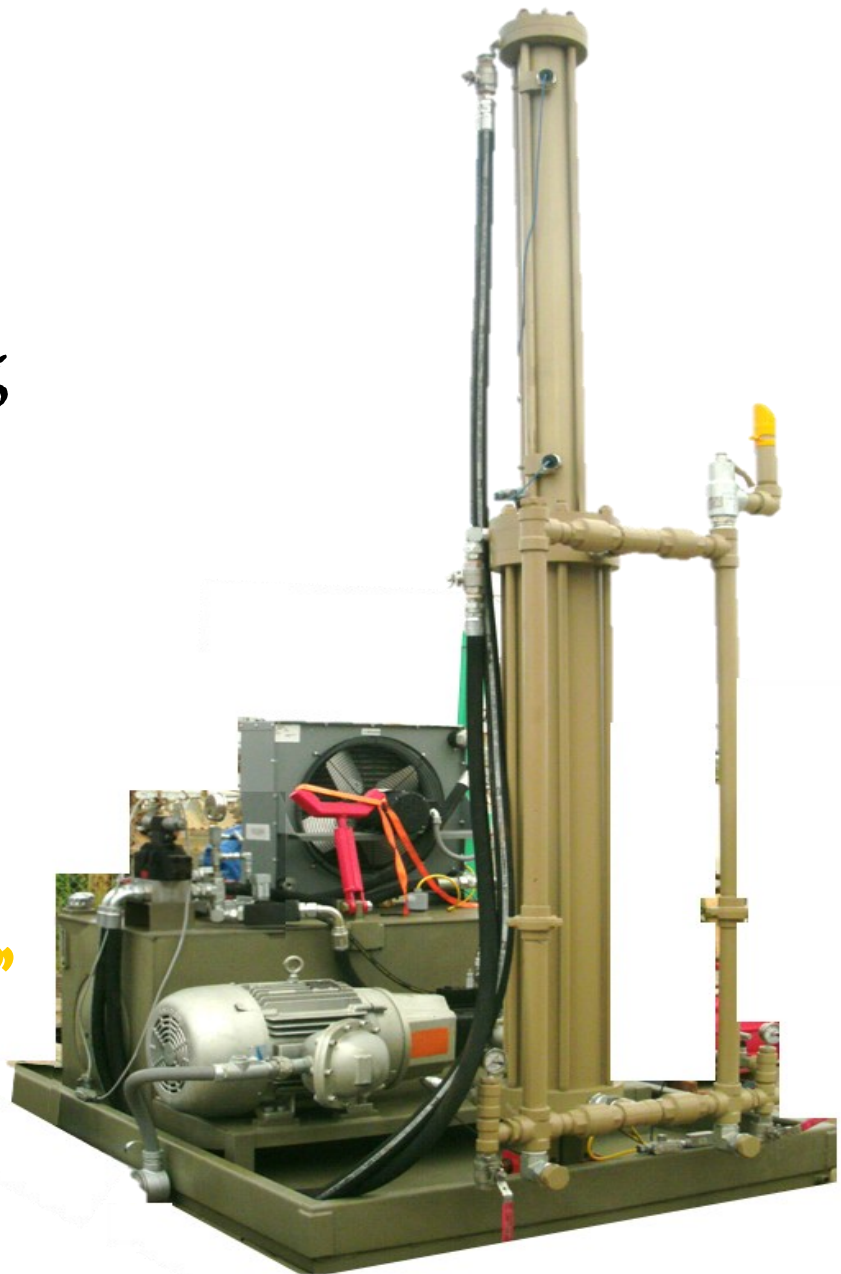# The Hydraulic Beam Gas Compressor ®

Manufactured by Permian Production Equipment, Inc.– Midland, Texas

Your Solution
When More Production is the Question

We make more
OIL by moving
your GAS

"The Real McCoy"

hydraulic.beamgascompressor.com

Going where *no* Compressor has gone before...

Permian Production Equipment, Inc. *Hydraulic Beam Gas Compressor ™systems* for vapor recovery, booster and wellhead applications are reliable and flexible. Our standard products, or our custom solutions, can match the technology which best suits your exact needs while they boost production, lower operating costs, reduce greenhouse gas emissions and maximize reserve recovery.

Permian Production Equipment, Inc. (PPEI) compression systems are designed for a broad range of suction and discharge pressures as well as a full range of production volumes. Our automation systems allows you to vary the runtime of the unit by timer, suction pressure, stroke per minute or speed of the stroke depending on your application.

HYBGC features
Our system offers :
- 2.5 inch diameter chromed harden piston rod
-3 inch thick electro nickel-less coated pistons
- cylinders impervious to H2S, C02 or corrosion
- 9 ratios of compression
- ability to move three phases
     Gas
     Water or Steam
     Oil
- increase the speed by turning a dial, no special automation training required
- ZERO emission to atmosphere (no blowby)
- 99.9% runtime per year
-3-4 years between scheduled maintenance
-Recycling of gas not needed

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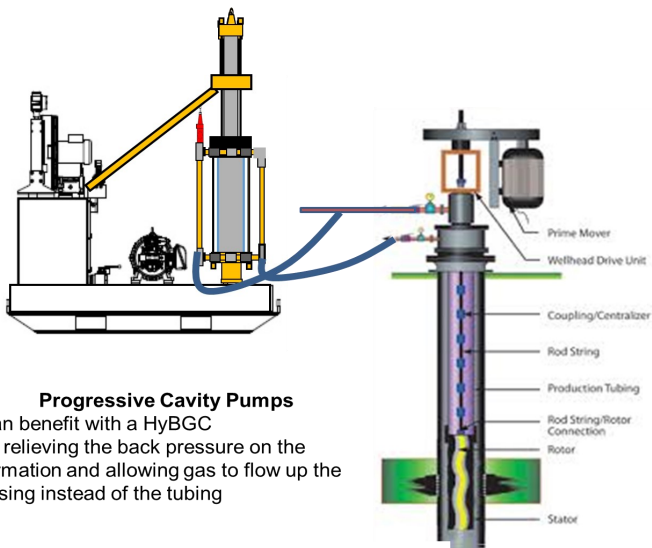
The HyBGC's have very low maintenance requirements.

Can handle corrosive gases (H_2S, CO_2) and steam!
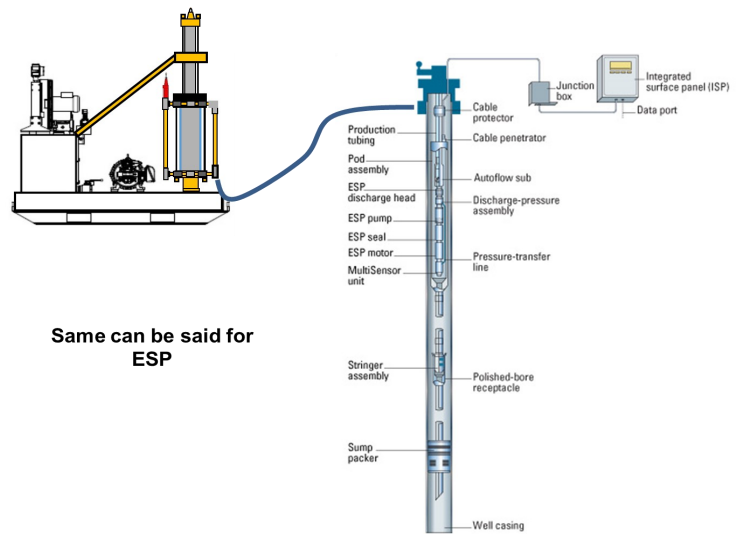
The system we recommend depends on several factors.

These factors might include: line pressure, volume, pressure differential, gas cleanliness, gas composition, energy efficiency and capital cost.

10 Horsepower HyBGC

Discharge Pressure PSI

Suction Pressure PSI	25	50	75	100	125	150	175	200	225
0.5	95	50	30	24					
5	125	63	41	33	24	20			
10	158	80	52	41	30	26	22	20	
15	191	99	63	50	37	32	27	24	20
20	225	115	74	60	43	38	32	28	24
25		132	85	68	49	44	37	32	27
30			106	77	56	50	42	36	31
35				86	62	56	47	40	35
40					68	62	52	44	39
45						68	57	48	43
50							61	52	47
55								56	51
60									55

20 Horsepower HyBGC

Suction Pressure PSI	25	50	75	100	125	150	175	200	225
0.5	136	101	65	50					
5	185	134	85	65	50	42			
10	236	169	108	83	65	55	46	42	
15	286	205	131	100	78	65	56	50	42
20	336	241	154	118	92	78	66	58	50
25		277	176	136	105	89	78	66	56
30			200	153	118	101	88	75	64
35				172	132	112	96	83	73
40					146	123	105	91	81
45					.	136	115	100	89
50							136	108	98
55								116	106
60									114

40 Horsepower HyBGC

Suction Pressure PSI	25	50	75	100	125	150	175	200	225
0.5		207	133	103					
5		275	174	133	103	86			
10		346	221	170	133	113	94	85	
15		420	269	205	160	133	115	102	85
20		494	316	242	189	160	135	119	102
25		568	361	279	215	182	160	136	115
30			410	314	242	207	180	153	132
35				353	271	230	197	170	149
40					299	252	215	187	166
45						279	236	204	183
50							279	221	200
55								238	217
60									234

60 Horsepower HyBGC

Suction Pressure PSI	25	50	75	100	125	150	175	200	225
0.5									
5					158	121			
10					200	153	138		
15					243	186	167	147	130
20					285	218	196	172	154
25					327	250	225	197	176
30					369	282	254	222	199
35					411	314	283	247	222
40					453	346	312	272	245
45					495	378	341	297	268
50					537	410	370	322	291
55					579	442	399	347	314
60					621	474	428	372	337

To determine HP model of HyBGC locate desired suction pressure and discharge pressure
Then locate on the chart the amount of gas to be moved in MCFD

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Progressive Cavity Pumps
Can benefit with a HyBGC by relieving the back pressure on the formation and allowing gas to flow up the casing instead of the tubing

Prime Mover
Wellhead Drive Unit
Coupling/Centralizer
Rod String
Production Tubing
Rod String/Rotor Connection
Rotor
Stator

Same can be said for ESP

Cable protector
Junction box
Integrated surface panel (ISP)
Data port
Production tubing
Cable penetrator
Pod assembly
Autoflow sub
ESP discharge head
Discharge-pressure assembly
ESP pump
ESP seal
ESP motor
Pressure-transfer line
MultiSensor unit
Stringer assembly
Polished-bore receptacle
Sump packer
Well casing

The HyBGC has many applications
Vapor Recovery Unit
Booster Compressor
Multiple Wellhead Compressor
ESP Compressor
PCP Compressor
Hydraulic pumping unit
Compressor

With the HyBGC ability to vary its stroke based on the volume of gas You can have multiple wells hooked to one unit

Hydraulic Cylinder

Dual head Manifold

Gas Cylinder

Suction inlet & Discharge outlet

Skid Drip Pan

Starter Panel

Heat Exchanger

Fluid Tank

Site Level Gauge

Manhole Cover

Hydraulic Beam Gas Compressor HyBGC
Worldwide Patents and Patents Pending

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