

IJACK DGAS

BEAM CASING GAS COMPRESSOR

RELIEVE PRESSURE | PRODUCE MORE | SLOW WELL DECLINE
ELIMINATE VENTING AND EMISSIONS | OPTIMIZE PERFORMANCE



IJACK DGAS IS A PRACTICAL AND ECONOMICAL SOLUTION FOR PUMPED OFF / LOW PRESSURE WELLS. BEAM MOUNTED CASING GAS COMPRESSION RELIEVES CASING PRESSURE AND MAXIMIZES PRODUCTION, WHILE ELIMINATING EMISSIONS.

A SIMPLE AND EFFECTIVE SOLUTION

- 1. Emissions Reduction:** IJACK DGAS effectively eliminates or significantly reduces emissions, promoting a greener and more sustainable energy production process.
- 2. Enhanced Production:** By lowering casing pressures, IJACK DGAS can improve formation inflow, boosting overall production and prolonging the life of your wells.
- 3. Lower Casing Pressure:** IJACK DGAS can maintain casing pressures as low as 5 psi, ensuring optimal well performance.
- 4. Fluid Capture and Recirculation:** Our system captures fluids and automatically returns them down the casing.
- 5. Easy Installation:** The bolt-on system design of IJACK DGAS eliminates the need for welding or hot work, reducing setup time and costs.
- 6. Versatile Discharge:** IJACK DGAS offers the flexibility to discharge into emulsion or gas sales lines, allowing seamless integration into your existing production infrastructure.
- 7. Minimal Downtime:** Experience fewer maintenance intervals and limited downtime with IJACK DGAS, ensuring your operations remain productive and efficient.
- 8. Local Field Serviceability:** DGAS can be easily serviced and maintained on location by local service crews, saving time and costs associated with extensive repairs.

INCREASE PRODUCTION WITH TRADITIONAL DGAS OR DGAS-T SERIES

IJACK DGAS beam mounted casing gas compression system is engineered to bolt onto the walking beam of a conventional pumping unit and is compatible with most pumpjack models. IJACK offers two DGAS systems to suit your needs. The traditional **DGAS** system consists of a dual acting compressor cylinder and a scrubber, connected by an interchangeable spool specific to your pumpjack model. The **DGAS-T** series consists of a dual-action compressor cylinder and an inline fluids drainage system. Both systems effectively remove casing gas from the annulus and transfer it to a flowline, enabling unrestricted reservoir inflow and potentially increasing production. The best part? **No external power source is required.**

Casing gas compressors excel on wells close to or at a pumped-off state and those with low formation pressure. By relieving the casing pressure, the goal is to increase fluid levels and produce more.

STANDARD FEATURES

- Optimized geometry allows custom cylinder stroke length targeting well output.
- Securely mounted pressure and suction lines minimize wear and tear and allow hoses to be positioned safely.
- Premium components ensure durability and performance.
- Multiple wells can be tied into one DGAS unit.
- Compact footprint.
- 1-2 hour typical install time.
- Standard packages for enhanced ease of operation include: Auto-Drain, High Level Shutdown and tie-down kits.

**VARIOUS STANDARD DGAS MODELS TO FIT YOUR APPLICATION.
CUSTOM DESIGNS AVAILABLE BY SPECIAL ORDER.**

DGAS Model (1)	518	630	644	660	830	836	844	860	1023		
Δp	325		400				225			135	psi kPa
	2241		2758				1551			931	
Max Discharge	400									psi	
	2758									kPa	
Max Discharge Temp	120 / 250									°C / °F	
Max Gas Volumes @ 5 SPM											
Intake @ 50 psi	0.28	0.74	1.08	1.47	1.37	1.64	2.00	2.73	1.67	e3m3/d	
	9.9	26.1	38.1	51.9	48.4	57.9	70.6	96.4	58.8	Mscfd	
Intake @ 25 psi	0.17	0.45	0.66	0.90	0.84	1.00	1.23	1.67	1.02	e3m3/d	
	6.0	15.9	23.3	31.8	29.7	35.3	43.4	59.0	36.1	Mscfd	
Intake @ 10 psi	0.10	0.28	0.41	0.56	0.52	0.62	0.76	1.04	0.64	e3m3/d	
	3.5	9.9	14.5	19.8	18.4	21.9	26.8	36.7	22.4	Mscfd	
Intake @ 5 psi	0.08	0.22	0.33	0.45	0.41	0.50	0.61	0.83	0.50	e3m3/d	
	2.8	7.8	11.7	15.9	14.5	17.7	21.5	29.3	17.8	Mscfd	

(1) Custom models to fit pumpjacks or casing gas volume requirements can be manufactured
 DGAS units can be installed on 80 size pumpjacks and larger with a minimum 36" stroke length
 Find the latest table updates at www.myijack.com



Get In Touch

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