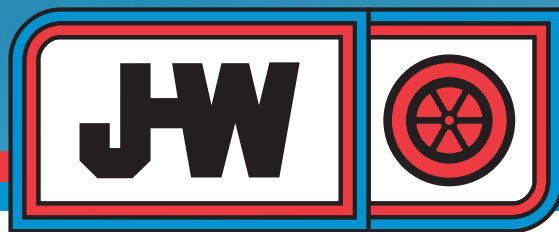




# TOTAL EQUIPMENT SOLUTIONS

J-W Power Company manufactures CNG compressors and CNG storage systems in our Longview and Kilgore, Texas facilities.

We utilize an extensive network of suppliers and industry experts to provide a total equipment package that includes all components necessary to successfully and efficiently operate a CNG refueling station.



## JW POWER COMPANY CNG REFUELING SYSTEMS

### STORAGE

- Division I & Division II storage spheres available
- Standard 48" ID 5,500 MAWP
- Storage spheres (81 GGE)
- Custom sphere sizes available
- ASME CNG storage tubes
- National Board Registered
- ASME code stamped
- Drain and pressure safety valves
- Priority panels



### DISPENSERS

- Fast-Fill
- Slow-Fill
- Fill Posts
- Light-duty dispensers
- Transit dispenser
- Internal card readers
- Gilbarco-style dispensers
- Video screen options
- Fuel management systems
- Single, dual, and triple hose designs

### NATURAL GAS CONDITIONING EQUIPMENT

#### DRYERS

- Engineered to fit specific applications
- Molecular sieve absorption
- Regenerative and non-regenerative
- Dew-point monitoring

#### ODORIZERS

- Gas odorizing equipment
- Pre-fabricated piping and valve spools
- Odorant storage tanks





# POWERFILL™

## FUEL YOUR VEHICLES FASTER

WHILE MAXIMIZING YOUR ON-SITE STORAGE AND USING LESS HORSEPOWER!

Decrease your fill times significantly by maximizing your on-site fuel storage. J-W Power Company offers a new patented design that allows the compressor to change the number of stages dynamically to utilize high pressure from storage to yield a higher flow rate. It is available in two different models, PowerFill™ and PowerFill™ Lite.

### J-W PowerFill Compressor Packages

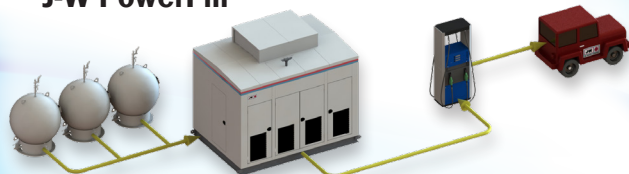
	J-W PowerFill	J-W PowerFill Lite
Horsepower	150HP	200HP
Inlet Pressure Range	30 - 70 psig	25 - 45 psig
Flow Range	229 scfm - 4,488 scfm	423 scfm - 857 scfm

Both options are designed in 4-stage/2-stage configurations. When in direct fill mode or when filling storage, both package designs function in 4-stage mode. As a vehicle is fueling, the package automatically switches to PowerFill mode (2-stage), increasing the flow rate by up to 10x. Storage is typically 30% usable, and with PowerFill, over 70% usage can be achieved!



**J-W POWER COMPANY**  
**CNG REFUELING SYSTEMS**

J-W PowerFill™



J-W Power Company is your single resource for all CNG refueling equipment, including compression, storage, dispensing, drying and controls. All of J-W Power Company packages are designed with state-of-the-art 3-D modeling software. Standard designs are available or custom-engineered packages can be built to your exact specifications.

- Standard package design utilizes Ariel compressor frames with electric motor drivers and 2000 Watt compressor oil heaters
- Packages meet NFPA 52, NEC and ASME Standards

#### Controls

- Allen Bradley MicroLogix Panel with RedLion HMI display
- Automatic PLC controls with auto start / auto stop
- Remote monitoring available

#### Motor Controls

- Motor Control Cabinet (customer-mounted in non-hazardous area) includes: Main motor soft start, cooler, pre-lube and heater contactors

#### Enclosures

- Sound attenuation and weather proof
- Heavy-duty lifting lugs
- Methane detector & interior lighting package

#### STORAGE

- Division II storage spheres (81GGE capacity)
- Standard 48" ID 5,500 MAWP@150 °F
- ASME Section 8, Division II, code stamped
- Drain and pressure safety valves
- Priority panels (½", ¾", and 1" panels) with or without slow fill options)
- Nitrogen Service Spheres available
- National Board Registered
- ASME CNG storage tubes

#### Dispensers

- Fast-Fill
- Slow-Fill
- Light-duty dispensers
- Transit dispenser
- Internal card readers
- Time Fill Posts
- Single, dual, triple and quad hose designs

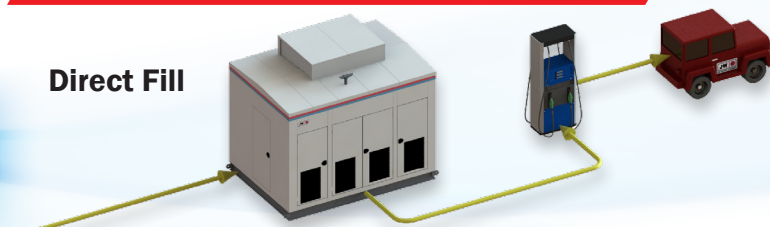
#### Dryers

- Multiple manufacturers' products offered
- Single and dual vessel options
- Regenerative and non-regenerative

#### Services

- Equipment Commissioning
- Equipment Orientation
- Start-Up Support
- Factory and Field Testing
- Maintenance Contracts
- Factory and Field Testing
- 24/7 availability

Direct Fill



CNG@jwenergy.com

972-233-8191

www.jwpower.com

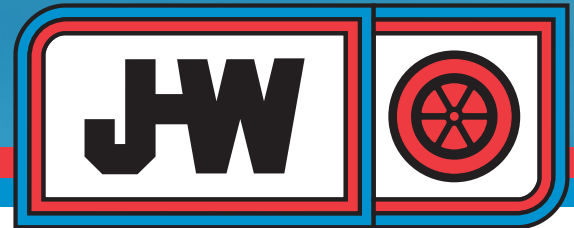
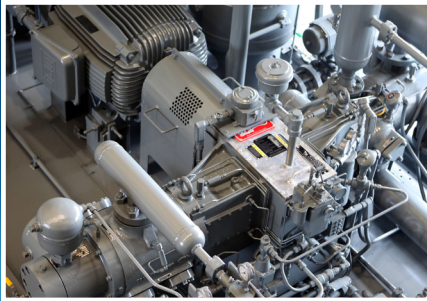
CNG



# COMPRESSION EQUIPMENT

All of J-W Power Company packages are designed with state-of-the-art 3-D modeling software. Standard designs or custom-engineered packages can be built to your exact specifications.

Full load tested are conducted on every package built. Tests monitor recording flow, power, pressures, temperatures, pulsation, vibration, noise levels and air emissions.



## J-W POWER COMPANY CNG REFUELING SYSTEMS

### COMPRESSOR PACKAGES

- Driver horsepower from 10 HP to 4,000 HP
- Flow ranges from 45 scfm to 2,500 scfm
- Electric motor or natural gas engine drivers
- Standard or custom-engineered designs
- Suction pressures from as low as 0 psig up to 1,000 psig and discharge pressures up to 5,000 psig discharge
- Ariel compressors available
- Remote monitoring available

- Automatic PLC controls with auto start/auto stop
- Two, three, four or five stages of compression
- Oil-flooded rotary screw booster packages

- High efficiency coalescing filters
- 460 VAC 60 Hertz or 380 VAC 50 Hz
- Packages meet NFPA 52, NEC and ASME Standards
- Meets or exceeds stringent emissions standards

### CONTROLS

- Processors - Murphy, Allen-Bradley and others
- 2-line displays to 10" color touch screens
- Methane detectors
- Single unit controls, site controllers, scalable controls to meet customer requirements

### ENCLOSURES

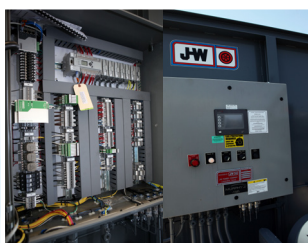
- Sound attenuation and weather proof
- Heavy-duty lifting lugs
- Explosion-proof lights and switches
- Electric heaters

### HEATERS

- Enclosure Heaters
- Compressor oil heaters
- Engine oil / Jacket water heaters
- Motor winding heaters

### MOTOR CONTROLS

- Utilize soft starts or variable frequency drives
- Mounted in hazardous area, customer mounted, or customer supplied
- Load stabilizing system
- Allows driver to maintain a continuous steady load regardless of site demand



Ariel Corporation is the world standard for separable, reciprocating gas compressors. The company's CNG compressors are designed for long service and utilize specialized piston rings, gland packings, and cylinders. The heavy-duty compressor frame meets essential API-11P guidelines. J-W Power Company is an authorized dealer of Ariel compressors.



*Complete Compressor Package  
Design and Installation*

CNG