RESPONSIBLE INNOVATION

ULC TECHNOLOGIES

PORTABLE EMISSIONS RECOVERY FOR GAS DISTRIBUTION UTILITIES

During routine gas utility operations, maintenance and construction activity, **natural gas is often stranded in a section of pipe**. The ULC DDC-125 Drawdown Compressor enables gas utilities to extract the stranded natural gas from the isolated section of main, compress it, and inject it back into the active system to **support zero emissions goals and mitigate odor complaints**.

DDC-125
DRAWDOWN COMPRESSOR

Engineered for Distribution Pressures

The ULC Drawdown Compressor was designed to deliver efficient emissions recovery and is as much as 5x faster than other solutions in the market.

Natural Gas Powered Solution

The unit runs off natural gas from the active pipeline network. It never runs out of fuel and does not require air compressors to be delivered to the site.

Loaded with Safety Features

The Drawdown Compressor automatically pauses operation when adverse conditions are detected. Blow-offs on the manifolds also protect against over pressurization.

Automatically Cools Natural Gas

A built-in radiator engages when natural gas reaches temperatures above 100° F to ensure gas being injected into the active system stays below 140°F.

Support Zero Emission Goals

Elimination of venting natural gas during routine operations, maintenance and construction activities supports emissions reduction and environmental goals.

Wide Range of Applications

Customers refer to the Drawdown Compressor as a 'one-stop-shop' tool that can handle large volumes of natural gas with just one unit on site.

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DDC-125

DRAWDOWN COMPRESSOR

SYSTEM OVERVIEW & SPECIFICATIONS

The Drawdown Compressor uses a belt-driven piston compressor powered by a natural gas driven engine and control panel to extract stranded natural gas, compress it, and inject it back into the active gas main.

- Max inlet pressure 300psi; Max outlet pressure 125psi
- Manual vent and blow down line installed from final discharge for unloading at start
- All equipment mounted on 5ft x 7ft heavy duty dual axle trailer; 4,600lbs total weight
- Can also be skid mounted to adapt to existing vehicles or swap body trailers
- Ability to test unit in shop prior to deployment using propane
- 2 inch female connections at the suction and discharge ports
- Automated safety features pause operations for abnormal suction pressure, discharge

DRAWDOWN TIMES

The following performance rates are based off of actual field deployment of the Drawdown Compressor

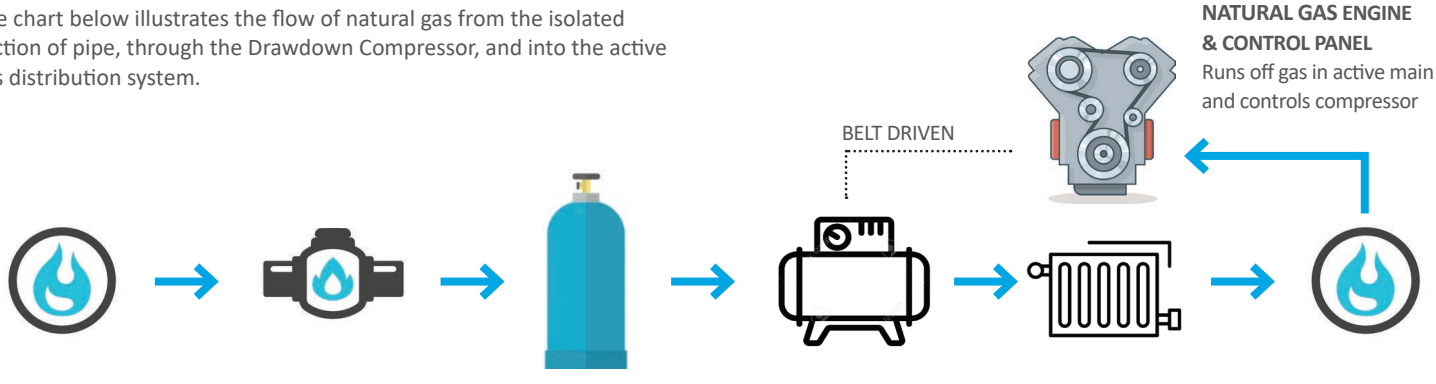
- **5300 ft of 16” Pipe (7,300 cu ft):**
  20 PSI – 0 PSI in 40 Mins
- **1900 ft of 12” Pipe (1,492 cu ft):**
  55 PSI – 0 PSI in 20 Mins
- **188 ft of 24” Pipe (590 cu ft):**
  185 PSI – 0 PSI in 40 Mins
- **5 miles of 30” Pipe (129,590 cu ft):**
  13 PSI – w.c. in 360 Mins

READY TO START ELIMINATING EMISSIONS?

Contact our team for demonstrations and quotes at **1-631-667-9200** or by visiting **www.ulctechnologies.com**.

HOW IT WORKS

The chart below illustrates the flow of natural gas from the isolated section of pipe, through the Drawdown Compressor, and into the active gas distribution system.



ISOLATED GAS
MAOP 300psi

REGULATOR
On-board regulator reduces input pressure to 30psi

SUCTION TANK
Gas from the main is stored in the tank

NATURAL GAS COMPRESSOR
Generates vacuum to extract gas and compresses gas for injection

RADIATOR
Prevents natural gas from reaching temperatures above 140° F

ACTIVE GAS MAIN
MAOP 125psi