Propane Autogas
Infrastructure Success
Superior Energy Systems

- Industry leader since 1975
- Complete and customized design and construction solutions for the storage, handling, shipping and receiving of propane and natural gas liquids.
- Engineering expertise, services and support to meet your specific propane autogas needs.
- Licensed engineers on staff
- Safety is at the forefront of everything we do.
Keys to Infrastructure Success

APPROVED EQUIPMENT

• Autogas dispensers must meet NFPA 30A and NFPA 58 requirements and be listed by an accredited agency such as UL or CSA.

• It is important to make sure you are purchasing safe, approved equipment.

• Verify Authority Having Jurisdiction regulations in your area.

KNOW YOUR MANUFACTURER

• Filling vehicles requires a differential pump pressure of 120 psid to create optimal filling rate of 10-12 gallons, per minute.

• Verify that you are installing technologically compatible refueling dispensers.
Keys to Infrastructure Success

REACH OUT

• Contact a propane retailer in your area: http://retailers.propane.com/.

• Many will offer to include the cost of installing a propane autogas station, at your location, in exchange for a fuel contract.

EDUCATION AND SAFETY

• Be certain your propane supplier is trained to maintain your autogas refueling equipment.

• Make sure all employees are trained in the safe practices and handling of propane.

Station Costs

ADVANCED PRIVATE STATION

SUPPLIER OWNED

$5,000 - $75,000
(Site prep)
YOUR COST

FLEET OWNED

$60,000 - $225,000
(Infrastructure)

$5,000 - $75,000
(Site prep)
YOUR COST

STANDARD PRIVATE STATION

SUPPLIER OWNED

$1,500 - $15,000
(Site prep)
YOUR COST

FLEET OWNED

$20,000 - $60,000
(Infrastructure)

$1,500 - $15,000
(Site prep)
YOUR COST

“It’s very convenient, and it’s very economical.”

John Sisson,
CEO
Delaware Transit Corporation
Typical Autogas Skid Package

CHECK WITH LOCAL FIRE CHIEF
BEFORE INSTALLATION OF UNIT

NOTE:
ALWAYS MAKE SURE THE LIQUID
LINE TO PUMP IS LEVEL OR HAS
A SLIGHT UPWARD SLOPE TOWARDS
TANK VALVE—NEVER SLOPE LIQUID
LINE UPWARD TOWARDS PUMP.

SYSTEM CONTROL PANEL
GASGUARD HOSE NOZZLE
METER & ELECTRICAL
CONTROLS CABINET
BREAKAWAY VALVE
3/4" CHECK-LOK

REMOTE SHUTOFF & CABLE
(PULL TO CLOSE)

PRESSURE GAUGE
1/2" SS TUBING
UNION
STRAIGHT
3/4" EXCESS FLOW VALVE
3/4" BALL VALVE
3/4" SCH. 80

1-1/4" INTERNAL VALVE
QUICK ACTING WITH EXCESS FLOW
PROTECTION, AUTOMATIC THERMAL
CLOSURE, AND REMOTE CLOSING
SYSTEM.

1-1/4" RELIEF VALVE
DOME

1" BALL VALVE
1/2" SS TUBING
(SENSING LINE)

ELECTRIC MOTOR
&PUMP

SIDE VIEW

4" BASE CHANNEL
3/4" CHECK VALVE
3/4" SCH. 80 (PUMP BYPASS)
3/4" ANGLE GLOBE VALVE

METER
(ENCLOSED IN CABINET)
SES PRO-Vend Dispensers

PRO-Vend 1000

PRO-Vend 2000

PRO-Vend 3000
Dispenser Options and Upgrades

- Credit card reader
- Transaction receipt printer
- Hose retractor
- Quick connect (Euro) nozzles
- Fully integrated, customizable fuel management system (available on the PRO-Vend 2000)
- Third party fuel management system connections (available for the PRO-Vend 1000 only)
Refueling Options and Upgrades

• Vertical and horizontal tanks ranging from 1,000 to 30,000 gallon tanks
• Temporary, portable refueling solutions available
• Awning, safety and barricade options
Contact Us

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