

DynaPak[®] Natural Gas Sampling System

Field-Proven Design, Reliable Results

DynaPak natural gas sampling system delivers a representative sample of natural gas or light liquids. Based upon a reliable standard design, this pipeline mounted system uses a pneumatically-operated positive displacement pump, YZ filter/regulator, and a low-powered solenoid valve. The pump can be actuated by pipeline gas or instrument air which passes through a filter/regulator to a 12 VDC solenoid valve and can be operated at pipeline pressures between 0.69 bar (10 psig) and 103.4 bar (1,500 psig). Dynapak system's field-proven design provides a dependable, representative sample month-after-month, year-after-year.



Features and Benefits

- Intrinsically safe for use in hazardous environments
- System diagnostics to enhance dependability
- Onboard controller for proportional-to-flow or time-based operation
- Factory assembled for ease of installation

Options

- Direct or remote mounted sample pumps
- Sample accumulator capacities: 150, 300, 500, 1000 cc
- Pneumatic actuation
- Severe service elastomers

Specifications

Maximum operating pressure	124 bar (1,500 psig)
Pump displacement:	0 to 0.4 cc/stroke
Operating temperature range	17°C to 60°C (0°F to 140°F) ¹
Power supply	Internal battery pack*
Flow signal	Dry contact or voltage pulse

*The external power options can be used in lieu of the internal battery pack. See manual for details

¹At temperatures below 0°C (32°F) conditioning of the actuation gas supply may be required. Operations at extreme temperatures may affect system performance.

System Schematic

