

**Natural Gas Blow Down Package:**

The natural gas pressure reduction & metering skid package is designed to take natural gas supplied at an input pressure range of 1200-8500 kPag and reduce it down to a utility pressure of 35-45 kPag. Design capacity is 150 - 1500 Sm<sup>3</sup>/day of natural gas and based on five operating cases listed below:

	Case 1	Case 2	Case 3	Case 4	Case 5
Temperature	30.9°C	37.8°C	90.8°C	61.0°C	30.9°C
Gas Flowrate	1540 Sm <sup>3</sup> /d	695 Sm <sup>3</sup> /d	150 Sm <sup>3</sup> /d	1540 Sm <sup>3</sup> /d	150 Sm <sup>3</sup> /d
Inlet Pressure	1200 kPag	2600 kPag	8500 kPag	8500 kPag	1200 kPag
Outlet Pressure	35-45 kPag	35-45 kPag	35-45 kPag	35-45 kPag	35-45 kPag

This is brand new complete stand alone package on a 24'x10' skid, housed in a self framing building with split process and electrical rooms. The following are the highlights of the scope of supply:

- Natural gas coalescing filtration unit for removal of entrained liquids and solid particles from the gas stream complete with truck out and Enviro box.
- Mercaptan odorizer system
- Natural gas heater, 4.4kW 575VAC, installed to avoid the formation of hydrates, liquid hydrocarbons, and water as a result of pressure reduction.
- Coriolis Flow Meter
- **NG reduction system room is Class 1 Div 2, and electrical room is Unclassified General Purpose.** Area classification as per API505 Section 6.7. Fugitive Emissions Study included.
- **Allan Bradley PLC** complete with 7" color touch display mounted in a NEMA 4 enclosure. The PLC is wired to all required control devices and F&G detection for proper operation.
- Complete electrical room with a single point power connection (575 VAC) to a **Power Distribution Panel** with NEMA 1 enclosure for main incoming power feeds (supplied by others at site).
- Meets with all applicable codes for installation and operation in Alberta
- In compliance with Shell Global specifications.

This package is available for immediate delivery from our Calgary Fabrication Facility.