

# Residential Products Data Sheet

## Positive Displacement Diaphragm Meters

The residential positive displacement meters are designed to accurately measure low to intermediate volumes of gas at relatively low pressures. Among nine basic diaphragm meter models are four small to large residential meters, each sized to accommodate a specific flow range. These residential meters provide high accuracy and excellent rangeability for measurement of flows up to 1,600 SCFH at base conditions.

### Models and Capacities

Capacities are for 0.6 s.g. natural gas and standard conditions of 60°F and 14.73 psia at 1/2" w.c. differential (for R275, R315, 415, and 750 meters; higher capacities as noted for 415 and 750 @ 2" w.c. differential).

MODEL	MAOP	CAPACITY
R-275	5 or 10	275 SCFH
R-315	5 or 10	315 SCFH
415	10 or 15	415 SCFH (900 SCFH @ 2" w.c. diff.)
750	20	750 SCFH (1600 SCFH @ 2" w.c. diff.)

R-275  
Residential  
Diaphragm Meter



415  
Large Residential  
Diaphragm Meter

### Module Replacement Program

The interchangeable valve plate assembly incorporates all the working parts of the meter in a single measuring module. In addition to easy maintenance and calibration, the module replacement feature makes it possible to "replace" a meter with an all-new working mechanism without replacing the body or connections. Uncalibrated replacement modules are available in standard or temperature compensated construction.

750  
Intermediate Capacity  
Diaphragm Meter



## Gas Pressure Regulators

INTEC Controls, Inc. provides a comprehensive line of gas pressure regulation equipment for a variety of applications in various pressure ranges and flow capacities. Shown here are just a few of the regulator types available for typical service applications. For more detailed information, refer to the relevant bulletins noted.

## Multi-Purpose Service Regulators

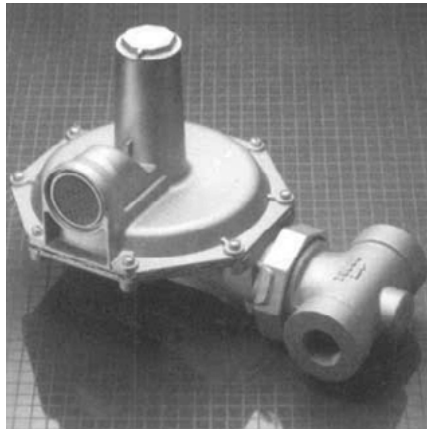
For general service on smaller loads, appropriate for use on residential service, burners, boilers, furnaces, and pilot lights.



### 043

#### Bulletin R1300

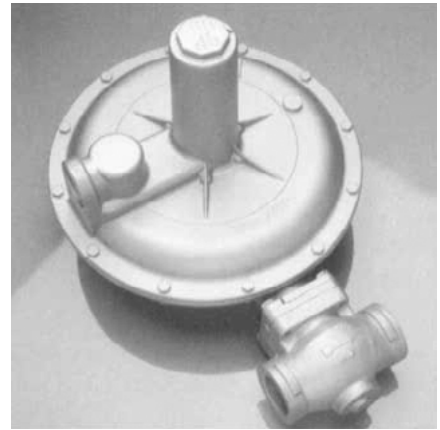
3/8", 1/2", 3/4", and 1" pipe sizes  
Inlet pressures.....to 125 psi  
Outlet pressures 3-1/2" w.c. to 2 psi  
Capacity to 1,000 SCFH  
Also available: internal relief valve and angle body. Features interchangeable orifices.



### 143-80

#### Bulletin R1301

3/4", 1", and 1-1/4" pipe sizes  
360° diaphragm case mounting  
Inlet pressures.....to 125 psi  
Outlet pressures 3-1/2" w.c. to 6 psi  
Capacity to 2,000 SCFH  
Also available: internal relief valve and low pressure cut-off. The 143-6 model w/4 bolt connection and straight or angle body is also available with internal relief valve. Both feature interchangeable orifices.



### 243

#### Bulletin R1306

1-1/4", 1-1/2", and 2" pipe sizes  
Inlet pressures.....to 125 psi  
Outlet pressures 3-1/2" w.c. to 10 psi  
Capacity to 25,000 SCFH  
Also available: internal relief valve, low pressure cut-off, back pressure, relief valve, vacuum regulator, vacuum breaker regulator and pilot operation. Features interchangeable orifices.