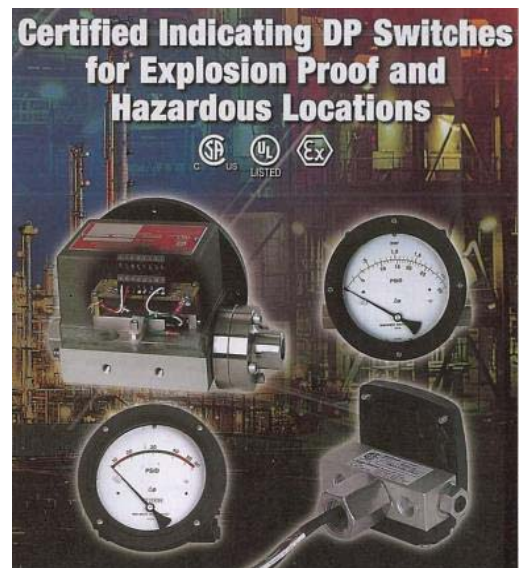
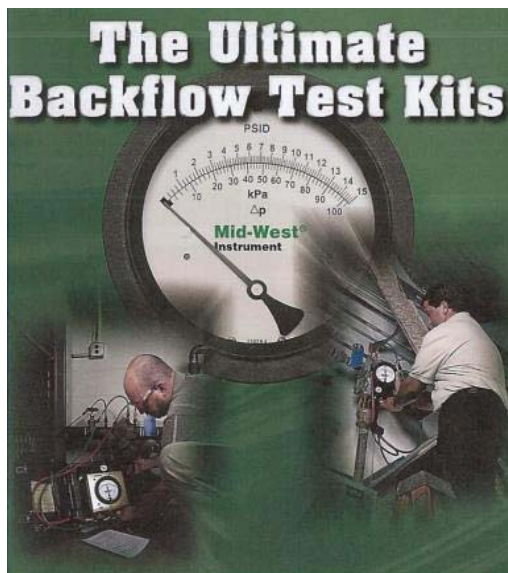
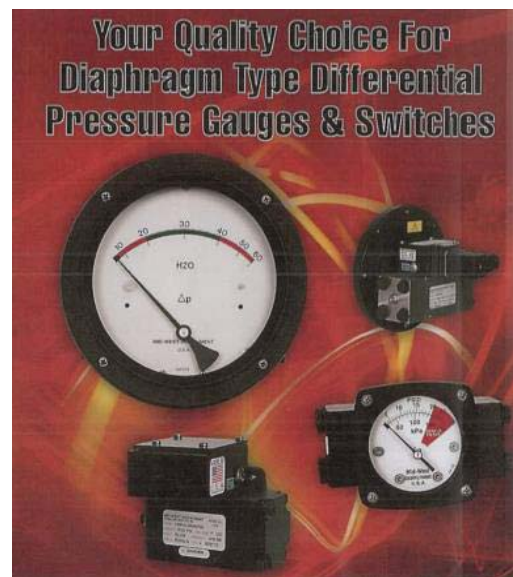
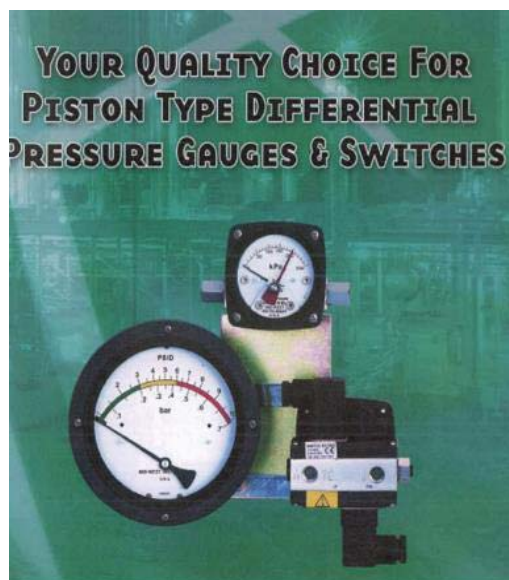
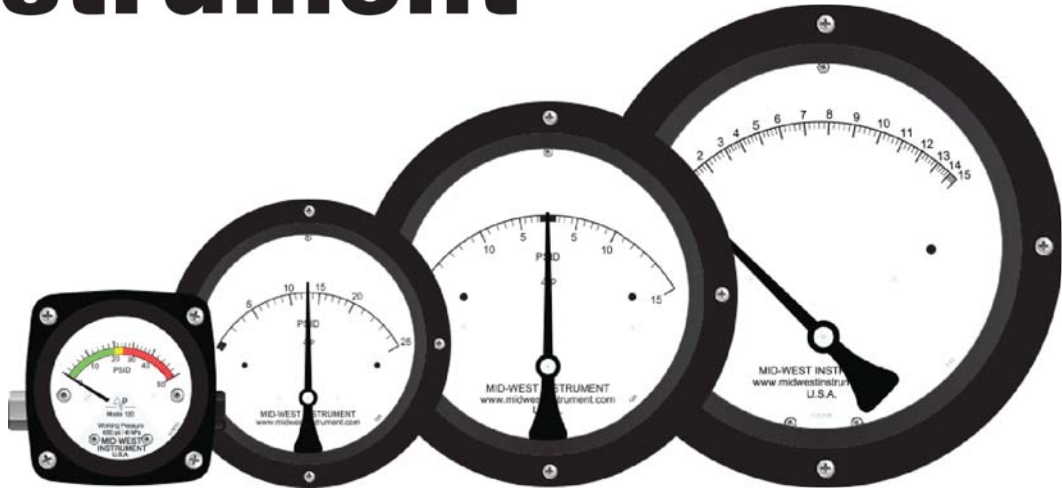


# Mid-West<sup>®</sup> Instrument



## Piston Type Gauges

- 저비용, 콤팩트, 견고하게 설계된 게이지.
- over range 보호 기능으로 설계되었으며 더 높은 라인 압력에도 견딜 수 있다.
- Weatherproof 등급 NEMA 4X/IP65.
- UL, CSA, ATEX, IECEx, KOSHA 인증.
- 5 Year Warranty.

### Model 120

#### Piston Type Gauges



Dif. Pressure range	0-5 PSID to 0-110 PSID
Accuracy	±3/2/3%
Working pressure	Up to 6,000 PSI
Electrical available	CE / LVD, RoHS, NEMA 4X, Flying Leads / DIN, Class 1-Div. 1, Class 1-Div. 2
Material	Aluminum, 316/316L Stainless Steel, Alum/Bronze and Monel (Wetted Part)
Application	Filters and Strainer Monitoring

### Model 121

#### Piston Type Gauges



Dif. Pressure range	0-5 PSID to 0-100 PSID
Accuracy	±3/2/3%
Working pressure	Up to 6,000 PSI
Electrical available	CE / LVD, RoHS, NEMA 4X, Terminal Strip Class 1-Div. 2, 4-20mA Transmitter
Material	Aluminum, 316/316L st. steel (Wetted Part)
Application	Filters and Strainer Monitoring

### Model 122

#### Piston Type Gauges



Dif. Pressure range	0-5 PSID to 0-110 PSID
Accuracy	±5%
Working pressure	3,000 PSI
Electrical available	CE / LVD, RoHS
Material	Aluminum (Wetted Part)
Application	Filters and Strainer Monitoring

## Model 123

### Piston Type Gauges



Dif. Pressure range	0-150 PSID to 0-400 PSID
Accuracy	±3/2/3%
Working pressure	Up to 5,000 PSI
Electrical available	CE / LVD, RoHS, NEMA 4X, Flying Leads DIN, Class 1-Div. 2
Material	Aluminum, 316/316L St. steel (Wetted Part)
Application	Filters and Strainer Monitoring

## Model 124

### Piston Type Gauges



Dif. Pressure range	0-5 PSID to 0-110 PSID & 0-150 PSID to 0-400 PSID
Accuracy	±3/2/3%
Working pressure	10,000 PSI
Electrical available	CE / LVD, RoHS, NEMA 4X,
Material	4-20mA Transmitter 316/316L Stainless Steel (Wetted Part)
Application	Pump Performance Testing

## Model 220

### Piston Type Gauges



Dif. Pressure range	0-5 PSID to 0-100 PSID
Accuracy	±3/2/3%
Working pressure	Up to 4000 PSI
Electrical available	CE / ATEX / RoHS, KOSHA, NEMA 4X, Terminal Strip, Class 1-Div. 1&2, 4-20mA
Material	316 Stainless Steel Wetted Pressure containing body assembly
Application	Filters, Strainers, Valves, Pumps

## Diaphragm Type Gauges

- 다이어프램 설계로 게이지의 높고 낮은 면에 서로 다른 유체를 사용 가능하다.
- 회선상의 탄성중합체(elastomer) 다이어프램에 의한 고(high)저(low)의 완전한 분리가 가능하다.
- Full rated working pressure에 대한 over range 보호기능이 있다.
- Weatherproof 등급 NEMA 4X/IP65.
- 5 Year Warranty.
- UL, CSA, ATEX, IECEx, KOSHA 인증.

### Model 114

#### Diaphragm Type



Dif. Pressure range	0-0.72 PSID to 0-20 PSID
Accuracy	±3/2/3%
Working pressure	1000PSI
Electrical available	CE / LVD, RoHS, NEMA 4X, 4-20mA Transmitter
Material	Aluminum, Brass, 316/316L St. steel (Wetted Part)
Application	Tank Level Applications

### Model 130

#### Diaphragm Type



Dif. Pressure range	0-5" H2O to 0-15 PSID (0-400" H2O)
Accuracy	±5% (5"-9.9"H2O) / ±3/2/3% (≥10"H2O)
Working pressure	Up to 500 PSI
Electrical available	CE / LVD, RoHS, NEMA 4X, Class 1-Div.1
Material	Polysulfone Engineered Plastic, Brass, Aluminum and 316/316L St. steel (Wetted)
Application	Filter Monitoring for Gases

### Model 140

#### Diaphragm Type



Dif. Pressure range	0-50" H2O to 0-100 PSID
Accuracy	±5% (50"-399"H2O)/±3/2/3% (15-100PSID)
Working pressure	Up to 3000 PSI
Electrical available	CE / LVD, RoHS, NEMA 4X, Terminal Strip Class 1-Div. 1, Class 1-Div. 2, 4-20mA PT
Material	Aluminum, Brass, 316/316L St. steel, Aluminum/Bronze & Monel(Wetted Part)
Application	Filter and Strainer Monitoring

### Model 142

#### Diaphragm Type



Dif. Pressure range	0-20" H2O to 0-25 PSID
Accuracy	±3/2/3%
Working pressure	Up to 3,000 PSI
Electrical available	CE / LVD, RoHS, NEMA 4X, Terminal Strip Class 1-Div. 2, 4-20mA Transmitter
Material	Aluminum, Brass, 316/316L St. steel, Aluminum/Bronze & Monel(Wetted Part)
Application	Filter and Strainer Monitoring

### Model 240

#### Diaphragm Type



Dif. Pressure range	0-20" H2O to 0-100 PSID
Accuracy	±3/2/3%
Working pressure	Up to 1500 PSI
Electrical available	CE / ATEX / RoHS, CSA, UL & KOSHA, NEMA 4X, Terminal Strip, Class 1-Div. 1&2 2, 4-20mA PT
Material	Aluminum and 316 Stainless Steel Wetted
Application	Filters, Strainers, Valves, Pumps



## Diaphragm Type Gauges

- 다이어프램 설계를 통해 게이지의 높은 면과 낮은 면에서 서로 다른 유체를 사용 가능하다.
- 회선상의 탄성중합체(elastomer) 다이어프램에 의한 높고 낮음의 완전한 분리가 가능하다.

- full rated working pressure에 대한 over range 보호기능을 지원한다.
- Weatherproof 등급 NEMA 4X/IP65.
- 1 Year Warranty.

### Model 522

#### Diaphragm Type



Dif. Pressure range	0-5 PSID to 0-50 PSID
Accuracy	± 5.0 %
Working pressure	1,000 PSI
Electrical available	CE / LVD, RoHS
Material	Aluminum, Acetal Plastic and 316/316L Stainless Steel, (Wetted Part)
Application	Filter and Strainer monitoring

### Model 522C (3-Color Dial)

#### Diaphragm Type



Dif. Pressure range	0-5 PSID to 0-50 PSID
Accuracy	± 5.0 %
Working pressure	1,000 PSI
Electrical available	CE / LVD, RoHS
Material	Aluminum, Acetal Plastic and 316/316L Stainless Steel, (Wetted Part)
Application	Filter and Strainer monitoring

## Bourdon Tube Type Gauges

### Model 109

#### Bourdon Type



Dif. Pressure range	0-15 PSID to 0-6000 PSID
Accuracy	1/2% or 1% Full Scale (Exception exists)
Working pressure	Up to 6,000 PSI
Electrical available	Locked logic switches
Material	Aluminum, Carbon Steel, 316/316L st. steel and Brass (Wetted Part)
Application	Pump Performance Testing

- 고정밀도 게이지(high accuracy) 이다.
- 극한 고압의 applications에 사용한다.
- Weather & 내식성(corrosion resistant) 게이지 전면(front) 지원한다.
- High over, Low and Low over High, Over range 보호기능을 지원한다.
- NEMA4X를 보유한다.
- 5 Year Warranty 보증한다.

- 정확도가 높은 측정값을 제공하는 정밀 기기.
- Rugged Bellows Sensing Element.
- Over range 보호, High over Low and Low over High.
- Weather & 내식성(corrosion resistant) 게이지 전면(front).
- NEMA4X.
- 1 Year Warranty models 115 & 116.
- 5 Year Warranty models 105 & 106.

## Model 105

### Bellocs Type



Dif. Pressure range	0-10" H2O to 0-79.9" H2O
Accuracy	±0.5 or ±1.0% (1/2% FS ≥ 30" H2O)
Working pressure	Up to 3,000 PSI
Electrical available	Locked logic switches, Micro switches
Material	Aluminum, Carbon Steel, 316/316L Stainless Steel and Brass (Wetted Part)
Application	Pressurized Tank Level Monitoring

## Model 106

### Bellocs Type



Dif. Pressure range	0-80" H2O to 0-800" H2O
Accuracy	±0.5 or ±1.0% FS
Working pressure	Up to 3,000 PSI
Electrical available	Locked logic switches, Micro switches
Material	Aluminum, Carbon Steel, 316/316L Stainless Steel and Brass (Wetted Part)
Application	Pressurized Tank Level Monitoring

## Model 115

### Bellocs Type



Dif. Pressure range	0-10" H2O to 0-69.9" H2O
Accuracy	±1.0%
Working pressure	500 PSI (Optional 1,000 PSI)
Electrical available	None available
Material	Brass (Wetted Part)
Application	Tank Level Applications

## Model 116

### Bellocs Type



Dif. Pressure range	0-70" H2O to 0-800" H2O
Accuracy	±1.0%
Working pressure	500 PSI (Optional 1,000 PSI)
Electrical available	Micro switches
Material	Brass (Wetted Part)
Application	Tank Level Applications

## 3 & 5 VALVE DIFFERENTIAL PRESSURE MANIFOLD

Available Individually or Direct Mounted to your DP Gauge.



### BASIC NON-ADJUSTABLE SNUBBERS

Protects against surges and pressure shocks.

### PULSATION DAMPENER

Model 150 provides infinitely adjustable dampening.

Protects against surges and pressure shocks.

### PRESSURE LIMITING VALVE

Model 200 pressure limiting valve prevents instrument over-range.

Adjustable needle valve dampens pulsation.

## QUICK REFERENCE GUIDE

Model Number	Sensor Type	Minimum Range	Maximum Range	Accuracy % Full Scale	Maximum Temp. (F)	MWP (PSIG)
105	Bellows	0-10" H2O	0-79.9" H2O	±1/2% or 1%	200°F	500 to 6,000
106	Bellows	0-80" H2O	0-800" H2O	±1/2% or 1%	200°F	500 to 6,000
109	Bourdon Tube	0-15 PSID	0-6000 PSID	±1/2% or 1%	200°F	500 to 6,000
114	Diaphragm	0-20" H2O	0-600" H2O	±2%	200°F	1,500 or 3,000
115	Bellows	0-10" H2O	0-69.9" H2O	±1%	200°F	500 or 1,000
116	Bellows	0-70" H2O	0-800" H2O	±1%	200°F	500 or 1,000
120	Piston	0-5 PSID	0-110 PSID	±2%	200°F	3,000 to 6,000
121	Piston	0-5 PSID	0-110 PSID	±2%	200°F	3,000 to 6,000
122	Piston	0-5 PSID	0-110 PSID	±5%	200°F	3,000
123	Piston	0-150 PSID	0-400 PSID	±2%	200°F	3,000 to 5,000
124	Piston	0-5 PSID	0-400 PSID	±2%	200°F	10,000
130	Diaphragm	0-5" H2O	0-400" H2O	±5% or 3/2/3% (Based on range)	200°F	300 or 500
140	Diaphragm	0-50" H2O	0-100 PSID	±5% or 3/2/3% (Based on Range)	200°F	1,500 or 3,000
142	Diaphragm	0-20" H2O	0-25 PSID	±3/2/3%	200°F	1,500 or 3,000
522	Diaphragm	0-5 PSID	0-50 PSID	±5%	200°F	1,000
522A	Diaphragm (3-Color Dial)	0-5 PSID	0-50 PSID	±5%	200°F	1,000
555A	Diaphragm	0-2.0 PSID	0-43 PSID	±5%	200°F	300
700	316L SS Diaphragm	0-5 PSID	0-300 PSID	±0.50%	175°F	See Bulletin
Hazardous Location Switches						
220	Piston	0-5 PSID	0-100 PSID	±3/2/3%	200°F	4,000
240	Diaphragm	0-20" H2O	0-100 PSID	±3/2/3%	200°F	1,500
O. E. M Gauges						
126	Piston	0-5 PSID	0-20 PSID	±5%	200°F	3,000
127	Piston	0-25 PSID	0-100 PSID	±5%	200°F	3,000
146	Diaphragm	0-50" H2O	0-30 PSID	±5%	200°F	1,000
444	Slider Indicator	0-5 PSID	0-25 PSID	±5%	200°F	300
555	Diaphragm	0-2.0 PSID	0-50 PSID	±5%	200°F	300
522	Diaphragm	0-5 PSID	0-50 PSID	±5%	200°F	1,000
FLOW Instrumentation						
Model 300 Delta Tube						
Series 800 Flow Test Kits						
Accessories						
Three & Five Valve S.S. Differential Pressure Manifolds						
Basic Snubber – Non-Adjustable (Available in Brass and Stainless Steel)						
Model 150 Adjustable Pulsation Dampener (Available in Brass and Stainless Steel)						
Model 200 Pressure Limiting Valve (Available in Aluminum, Brass and Stainless Steel)						
Diaphragm / Chemical Seals						