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General Pressure Gauge

Model No. EFS-SS3011~4 series

EFS-SS3011

EFS-SS3014

Summary

This gauge is the most widely used pressure gauge. It has high durability by doing special process in bourdon tube. It also has high elasticity because it uses copper alloy in the part of connection and it is very useful in measuring general pressure.

Production Specification

- Diameter
  - 40, 50, 60, 75, 100, 150,200 mm
- Accuracy
  - 40mm : ±3.0% of Full Scale
  - 50mm : ±3.0% or ±1.5% of Full Scale
  - 60, 75, 100, 150,200 mm : ±1.5% of Full Scale
- Working Pressure
  - Static pressure : 75% of Full Scale
  - Fluctuating pressure : 60% of Full Scale
- Working Temperature
  - Ambient : – 20 ~ 65 ℃
  - Fluid : – 20 ~ 40 ℃
- Scale Range
  - – 1 ~ 0 to 0 ~ 100 MPa

Pressure Gauge with Electric Contact

Model No. EFS-SS3025~8 series

EFS-SS3025

EFS-SS3028

Summary

This gauge has a contact device inside the indicator. Not only indicating of pressure but also it is able to control and report by sending a electric signal in a built–in contact device which was already set up.

Production Specification

- Diameter
  - 100, 150 mm
- Accuracy
  - ±1.0% of Full Scale
- Working Pressure
  - Static pressure : 75% of Full Scale
  - Fluctuating pressure : 60% of Full Scale
- Working Temperature
  - Ambient : – 20 ~ 65 ℃
  - Fluid : – 20 ~ 80 ℃
- Scale Range
  - – 1 ~ 0 to 0 ~ 100 MPa

Diaphragm Seal Type Pressure Gauge

Model No. EFS-SS3031/4 series

EFS-SS3031

Summary

This device was designed to guarantee the performance and the lifespan when measuring pressure in chemical industry even when measuring fluid is mixed with powder which has coagulation or with strong corrosiveness.

Production Specification

- Diameter
  - 100 mm
- Accuracy
  - ±1.0% of Full Scale
- Scale Range
  - – 0.1 MPa ~ 0, – 0.1 MPa ~ 2 MPa, 0 ~ 35 MPa
  - (※ 1 MPa = 10.19716 kgf/㎠)
- Working Pressure
  - Static pressure : 75% of Full Scale
  - Fluctuating pressure : 60% of Full Scale
- Working Temperature
  - Ambient : – 20 ~ 65 ℃
  - Fluid : – 20 ~ 80 ℃

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Special Pressure Gauge

Model No. EFS-SS3021~4 series

EFS-SS3021

EFS-SS3024

Summary

This gauge has high corrosive resistance and it is properly built to measure fluid pressure which can withstand outside condition change. It has high accuracy because its connecting part is made of stainless steel.

Production Specification

- Diameter
  - 40, 50, 60, 75, 100, 150, 200mm
- Accuracy
  - 40mm : ±3% of Full Scale
  - 50mm이상 : ±1.5% of Full Scale
  - 100, 150, 200 mm : ±1.0% of Full Scale
- Working Pressure
  - Static pressure : 75% of Full Scale
  - Fluctuating pressure : 60% of Full Scale
- Working Temperature
  - Ambient : – 20 ~ 65 ℃
  - Fluid : – 20 ~ 80 ℃
- Degree of Protection
  - IP67
- Scale Range
  - – 1 ~ 0 to 0 ~ 200 MPa

Euro Pressure Gauge(DIN)

Model No. EFS-SD3021~4 series

EFS-SD3021

EFS-SD3024

Summary

This gauge has high corrosive resistance and inner chemical capability. This is built to be proper for corrosive atmosphere. The appearance looks beautiful because the case, cover and the connecting part are made of stainless steel and it has high accuracy.

Production Specification

- Diameter
  - 63, 80, 100, 160 mm
- Accuracy
  - 63, 80mm : ±1.6% of Full Scale
  - 100, 160mm : ±1.0% of Full Scale
- Working Pressure
  - Static pressure : 75% of Full Scale
  - Fluctuating pressure : 60% of Full Scale
- Working Temperature
  - Ambient : – 20 ~ 65 ℃
  - Fluid : – 20 ~ 80 ℃
- Degree of Protection
  - IP67
- Scale Range
  - – 1 ~ 0 to 0 ~ 200 MPa

Solid Front Safety Pressure Gauge

Model No. EFS-SF3021 series

EFS-SF3021

Summary

This gauge is very safe even when the pressure increases because the front side is strong and made of blow out back. The appearance is beautiful because the case, cover and the connecting part are made of stainless steel and the pressure gauge has high corrosive resistance and inner chemical capability.

Production Specification

- Diameter
  - 100 mm, 160 mm
- Accuracy
  - ±1.0% of Full Scale
- Scale Range
  - – 1 ~ 0 to 0 ~ 200 MPa
- Working Pressure
  - Static pressure : 75% of Full Scale
  - Fluctuating pressure : 60% of Full Scale
- Working Temperature
  - Ambient : – 20 ~ 65 ℃
  - Fluid : – 20 ~ 80 ℃

Diaphragm Seal Pressure Gauge (for High Temp.)

Model No. EFS-SS3040 series

EFS-SS3043/3044

Summary

This gauge is designed to be suitable in measuring high viscosity fluid pressure with room temperature and pressure measurement of an element which has high temperature melting condition.

Production Specification

- Diameter
  - 100, 150 mm
- Accuracy
  - ±1.0% of Full Scale
- Scale Range
  - 5 ~ 70 MPa
  - (※ 1 MPa = 10.19716 kgf/㎠)
- Working Pressure
  - Static pressure : 75% of Full Scale
  - Fluctuating pressure : 60% of Full Scale
- Working Temperature
  - Ambient : – 20 ~ 330 ℃
  - Fluid : – 20 ~ 330 ℃

Ring Diaphragm Type Pressure Gauge

Model No. EFS-SS3037 series

EFS-SS3037

Summary

This gauge is designed to measure various fluid's pressure flowing in a pipe effectively and accurately. It also has corrosive resistance and heat resistance. We complemented the imported goods' disadvantages. Therefore, it does not get affected by the direction of the installation and we can move it as we want to after the installation.

Production Specification

- Diameter
  - 100 mm, 150 mm
- Accuracy
  - ±1.0% of Full Scale
- Scale Range
  - – 0.1 MPa ~ 0, – 0.1 MPa ~ 2 MPa, 0 ~ 2 MPa
  - (※ 1 MPa = 10.19716 kgf/㎠)
- Working Pressure
  - Static pressure : 75% of Full Scale
  - Fluctuating pressure : 60% of Full Scale
- Working Temperature
  - Ambient : –5 ~ 40 ℃
  - Fluid : – 10 ~ 60 ℃

Solid Front Safety Pressure Gauge

Model No. EFS-SF3022 series

EFS-SF3022

Summary

This gauge is very safe even when the pressure increases because the front side is strong and made of blow out back. For corrosive resistance and thermostability, the case and cover are built by 4 1/2 phenolic resin.

Production Specification

- Diameter
  - 125 mm
- Accuracy
  - 0.5% and ±1.0% of Full Scale
- Scale Range
  - – 1 ~ 0 to 0 ~ 200 MPa
- Working Pressure
  - Static pressure : 75% of Full Scale
  - Fluctuating pressure : 60% of Full Scale
- Working Temperature
  - Ambient : – 20 ~ 65 ℃
  - Fluid : – 20 ~ 80 ℃

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General Low Pressure Gauge

Model No. EFS-SS3050 series

EFS-SS3051

Summary

This gauge is specially designed to measure low pressure which cannot be measured by a bourdon pipe pressure gauge. This gauge uses a specially designed chamber as the element.

Production Specification

- Diameter
  - 75, 100 mm
- Accuracy
  - ±1.5% of Full Scale
- Working Pressure
  - Static pressure : 75% of Full Scale
  - Fluctuating pressure : 60% of Full Scale
- Working Temperature
  - Ambient : – 20 ~ 65 ℃
  - Fluid : – 20 ~ 80 ℃
- Scale Range
  - – 5 ~ 50 kPa

Special General Low Pressure Gauge

Model No. EFS-SS3050S series

EFS-SS3051S

EFS-SS3054S

Summary

This gauge is specially designed to measure low pressure which cannot be measured by a bourdon pipe pressure gauge. This gauge uses a specially designed chamber as the element.

Production Specification

- Diameter
  - 75, 100, 150 mm
- Accuracy
  - ±1.5% of Full Scale
- Working Pressure
  - Static pressure : 75% of Full Scale
  - Fluctuating pressure : 60% of Full Scale
- Working Temperature
  - Ambient : – 20 ~ 65 ℃
  - Fluid : – 20 ~ 80 ℃
- Degree of Protection
  - IP65
- Scale Range
  - – 5 ~ 100 kPa

Pressure Gauge (with Micro Contact)

Model No. EFS-SF3060 series

EFS-SS3062

Summary

This equipment is a contact pressure gauge which has a micro switch inside the equipment. It produces an electric signal of ON, OFF by working the switch. It shows the information by sending electric signal to buzzer, bell, pilot lamp, etc.

Production Specification

- Diameter
  - 100, 150 mm
- Accuracy
  - Grade : ±1.5% of Full Scale
  - Dead Band : ±4.0% of Full Scale
- Scale Range
  - – 0.1 MPa ~ 2 MPa,
    – 0.1 MPa ~ 0 MPa, 0 ~ 35 MPa
    (※ 1 MPa = 10.19716 kgf/㎠)
- Working Pressure
  - Static pressure : 75% of Full Scale
  - Fluctuating pressure : 60% of Full Scale
- Working Temperature
  - Ambient : – 20 ~ 65 ℃
  - Fluid : – 20 ~ 80 ℃

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Pressure Gauge (with Electric Contact)

Model No. EFS-SS3065~6 series

EFS-SS3065 100mm

Summary

This gauge has a contact device in the indicator. Not only indicating the pressure but also it is able to control and report by sending an electric message from the built-in contact device where the pressure was set up beforehand

Production Specification

- Diameter
  - 100 mm
- Accuracy
  - ±1.0% of Full Scale
- Scale Range
  - − 0.1 MPa ~ 0, − 0.1 MPa ~ 2 MPa, 0 ~ 100 MPa
  - (※ 1 MPa = 10.19716 kgf/㎠)
- Working Pressure
  - Static pressure : 75% of Full Scale
  - Fluctuating pressure : 60% of Full Scale
- Working Temperature
  - Ambient : − 20 ~ 65 ℃
  - Fluid : − 20 ~ 80 ℃

Liquid Filled Pressure Gauge

Model No. EFS-SS3071~4 series

EFS-SS3071

EFS-SS3074

Summary

This gauge is proper for measuring the pressure in place where mechanical vibration and pulsation are heavy because its interior devices are precipitated in silicon liquid and by doing this, it is able to suppress vibration which is used by the viscosity resistance of liquid. This pressure gauge guarantees its performance and the life span as it has relatively better durability than other general pressure gauges because it prevents abrasion of the interior devices using lubricative fluid.

Production Specification

- Diameter
  - 60, 75, 100, 150 mm
- Accuracy
  - 60, 75mm : ±1.5% of Full Scale
  - 100, 150mm : ±1.0% of Full Scale
- Working Pressure
  - Static pressure : 75% of Full Scale
  - Fluctuating pressure : 60% of Full Scale
- Working Temperature
  - Ambient : − 20 ~ 65 ℃
  - Fluid : − 20 ~ 80 ℃
- Degree of protection
  - IP67
- Scale Range
  - − 0.1 MPa ~ 200 MPa

Liquid Filled Euro Pressure Gauge (DIN)

Model No. EFS-SD3071~4 series

EFS-SD3071

EFS-SD3074

Summary

This gauge is proper for measuring the pressure in place where mechanical vibration and pulsation are heavy because its interior devices are precipitated in silicon liquid and by doing this, it is able to suppress vibration which is used by the viscosity resistance of liquid. This pressure gauge guarantees its performance and the life span as it has relatively better durability than other general pressure gauges because it prevents abrasion of the interior devices using lubricative fluid.

Production Specification

- Diameter
  - 63, 80, 100, 160 mm
- Accuracy
  - 63, 80mm : ±1.6% of Full Scale
  - 100mm : ±1.0% of Full Scale
- Working Pressure
  - Static pressure : 75% of Full Scale
  - Fluctuating pressure : 60% of Full Scale
- Working Temperature
  - Ambient : − 20 ~ 65 ℃
  - Fluid : − 20 ~ 80 ℃
- Scale Range
  - − 0.1 MPa ~ 200 MPa

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Liquid Filled Pressure Gauge

Model No. EFS-SS3075~8 series

EFS-SS3075

EFS-SS3078

Summary

This gauge is proper for measuring the pressure in place where mechanical vibration and pulsation are heavy because its interior devices are precipitated in silicon liquid and by doing this, it is able to suppress vibration which is used by the viscosity resistance of liquid. This pressure gauge guarantees its performance and the life span as it has relatively better durability than other general pressure gauges because it prevents abrasion of the interior devices using lubricative fluid.

Production Specification

- Diameter
  - 60, 75, 100 mm
- Accuracy
  - ±1.5% of Full Scale
- Working Pressure
  - Static pressure : 75% of Full Scale
  - Fluctuating pressure : 60% of Full Scale
- Working Temperature
  - Ambient : – 20 ~ 65 ℃
  - Fluid : – 20 ~ 80 ℃
- Scale Range
  - – 0.1 MPa ~ 3.5 MPa

Receiver Gauge

Model No. EFS-SS3080 series

EFS-SS3081

EFS-SS3084

Summary

This gauge is used for various kinds of receiver gauges which measure the amount, flux, differential pressure, pressure of the transfer system of pneumatic pressure and it uses bourdon pipes which have high viscosity and sensitiveness as an element.

Production Specification

- Diameter
  - 100, 150 mm
- Accuracy
  - ±1.0% of Full Scale
- Scale Range
  - Linear Scale : 0 ~ 100%
  - Square Root Scale : 0 ~ 10 Root
- Working Pressure
  - Static pressure : 75% of Full Scale
  - Fluctuating pressure : 60% of Full Scale
- Working Temperature
  - Ambient : – 20 ~ 65 ℃
  - Fluid : – 20 ~ 80 ℃

Duplex Pressure Gauge

Model No. EFS-SS3090 series

EFS-SS3091 100mm

EFS-SS3092 100mm

Summary

This gauge has a structure that 2 pressure gauges are combined as a one equipment. It consists of two pressure openings, two bourdon pipes, two indicators (concentric trommel movement) and two types of amplification devices, etc. Therefore, it can measure two places' pressures with one gauge. This gauge has limitation in installation and usually it is for vehicles and has high durability.

Production Specification

- Diameter
  - 100 mm
- Accuracy
  - ±1.0% of Full Scale
- Scale Range
  - 0.4 MPa ~ 3.5 MPa, – 0.1 + 0.6 ~ 2 MPa
  - (※ 1 MPa = 10.19716 kgf/㎠)
- Working Pressure
  - Static pressure : 75% of Full Scale
  - Fluctuating pressure : 60% of Full Scale
- Working Temperature
  - Ambient : – 20 ~ 65 ℃
  - Fluid : – 20 ~ 80 ℃

Level Pressure Gauge

Model No. EFS-SS3100 series

EFS-SS3100

Summary

This gauge has a chamber and has high accuracy and durability. It is easy to be attached and that's the difference with other level gauges.

Production Specification

- Diameter
  - 150 mm
- Accuracy
  - ±1.5% of Full Scale
- Scale Range
  - Depth of tank : 1 ~ 50(M)
- Working Pressure
  - Static pressure : 75% of Full Scale
  - Fluctuating pressure : 60% of Full Scale
- Working Temperature
  - Ambient : – 20 ~ 70 ℃
  - Fluid : – 20 ~ 120 ℃

Pressure Recorder Gauge

Model No. EFS-SS3111 series

EFS-SS3111 [1PEN]

Summary

This gauge is a wall–mounted tightness test recording instrument which records pressure changes while running with a pen on a paper for recording according to the flow of time with a recording device.

Production Specification

- Diameter
  - 250 mm
- Accuracy
  - ±1.5% of Full Scale
- Scale Range
  - – 0.1 MPa ~ 2 MPa, 0 ~ 100 MPa
    (※ 1 MPa = 10.19716 kgf/㎠)
- Working Pressure
  - Static pressure : 75% of Full Scale
  - Fluctuating pressure : 60% of Full Scale
- Working Temperature
  - Ambient : – 20 ~ 65 ℃
  - Fluid : – 20 ~ 80 ℃

Leak Testing Rocorder (for Portable)

Model No. EFS-SS3112 series

EFS-SS3112

Summary

This instrument is a wall–mounted tightness test recording instrument which records pressure changes while running with a pen on a paper for recording according to the flow of time with a recording device.

Production Specification

- Diameter
  - 100 mm
- Accuracy
  - ±1.5% of Full Scale
- Scale Range
  - 10 kPa ~ 50 kPa
    (※ 1 kPa = 101.9716 mmH_2O)
- Working Pressure
  - Static pressure : 75% of Full Scale
  - Fluctuating pressure : 60% of Full Scale
- Working Temperature
  - Ambient : – 20 ~ 65 ℃
  - Fluid : – 20 ~ 80 ℃

Leak Testing Rocorder (200mm)

Model No. EFS-SS3113 series

EFS-SS3113

Summary

This instrument is a wall-mounted tightness test recording instrument which records pressure changes while running with a pen on a paper for recording according to the flow of time with a recording device.

Production Specification

- Diameter
  - 200 mm
- Accuracy
  - ±1.5% of Full Scale
- Scale Range
  - – 0.1 MPa ~ 2 MPa, 0 ~ 100 MPa
  - (※ 1 MPa = 10.19716 kgf/㎠)
- Working Pressure
  - Static pressure : 75% of Full Scale
  - Fluctuating pressure : 60% of Full Scale
- Working Temperature
  - Ambient : – 20 ~ 65 ℃
  - Fluid : – 20 ~ 80 ℃

Test Pressure Gauge

Model No. EFS-SS3121~4 series

EFS-SS3121 150mm

EFS-SS3124 150mm

Summary

In these days, as the service condition is diverse, the need of measuring high level pressure increases. This gauge is proper for measuring the changes of high levels or for calibrating instrument for general level (level 1.5, 3.0).

Production Specification

- Diameter
  - 150 mm
- Accuracy
  - ±0.5% of Full Scale
- Scale Range
  - 0.1 MPa ~ 100 MPa
  - (※ 1 MPa = 10.19716 kgf/㎠)
- Working Pressure
  - Static pressure : 75% of Full Scale
  - Fluctuating pressure : 60% of Full Scale
- Working Temperature
  - Ambient : – 20 ~ 65 ℃
  - Fluid : – 20 ~ 80 ℃

Test Pressure Gauge

Model No. EFS-SS3122 series

EFS-SS3122 200mm

Summary

In these days, as the service condition is diverse, the need of measuring high level pressure increases. This gauge is proper for measuring the changes of high levels or for calibrating instrument for general level (level 1.5, 3.0).

Production Specification

- Diameter
  - 200 mm
- Accuracy
  - ±0.5% of Full Scale
- Scale Range
  - 0.1 MPa ~ 100 MPa
  - (※ 1 MPa = 10.19716 kgf/㎠)
- Working Pressure
  - Static pressure : 75% of Full Scale
  - Fluctuating pressure : 60% of Full Scale
- Working Temperature
  - Ambient : – 20 ~ 65 ℃
  - Fluid : – 20 ~ 80 ℃

Sanitary Pressure Gauge

Model No. EFS-SS3131/2 series

EFS-SS3131 100mm

EFS-SS3132 100mm

Summary

This gauge is designed to guarantee the performance and the lifespan of the equipment which measures pressure of fluid which is mixed with powder that has coagulation in chemical industry such as food and various devices and lines for sanitation, etc. It also guarantees the performance and the lifespan when measuring fluid which has high corrosiveness.

Production Specification

- Diameter
  - 100 mm
- Accuracy
  - ±1.0% of Full Scale
- Scale Range
  - SS-3131 : −0.1 MPa ~ 2 MPa, 0 ~ 10 MPa
  - SS-3132 : 15 ~ 70 MPa
  - (※ 1 MPa = 10.19716 kgf/㎠)
- Working Pressure
  - Static pressure : 75% of Full Scale
  - Fluctuating pressure : 60% of Full Scale
- Working Temperature
  - Ambient : − 20 ~ 65 ℃
  - Fluid : − 20 ~ 80 ℃

Sanitary Pressure Gauge

Model No. EFS-SS3133/4 series

EFS-SS3133 100mm

EFS-SS3134 100mm

Summary

This gauge is designed to guarantee the performance and the life span of the equipment which measures low temperature in case when measuring fluid which is mixed with powder that has coagulation in pressure measurement in chemical industry or when corrosiveness is very high.

Production Specification

- Diameter
  - 100 mm
- Accuracy
  - ±1.0% of Full Scale
- Scale Range
  - SS-3133 : −0.1 MPa ~ 2 MPa, 0 ~ 10 MPa
  - SS-3134 : − 0.1 ~ 0.3 + 2 MPa, 0 ~ 10 MPa
  - (※ 1 MPa = 10.19716 kgf/㎠)
- Working Pressure
  - Static pressure : 75% of Full Scale
  - Fluctuating pressure : 60% of Full Scale
- Working Temperature
  - Ambient : − 20 ~ 80 ℃
  - Fluid : − 20 ~ 80 ℃

Sanitary Pressure Gauge

Model No. EFS-SS3135/6 series

EFS-SS3135 100mm

EFS-SS3136 100mm

Summary

This gauge is designed to guarantee the performance and the lifespan of the equipment which measures pressure of fluid which is mixed with powder that has coagulation in chemical industry such as food and various devices and lines for sanitation, etc. It also guarantees the performance and the lifespan when measuring fluid which has high corrosiveness.

Production Specification

- Diameter
  - 100 mm
- Accuracy
  - ±1.0% of Full Scale
- Scale Range
  - SS-3135 : −0.1 + 0.2 MPa ~ 2 MPa, 0 ~ 10 MPa
  - SS-3136 : 15 ~ 70 MPa
  - (※ 1 MPa = 10.19716 kgf/㎠)
- Working Pressure
  - Static pressure : 75% of Full Scale
  - Fluctuating pressure : 60% of Full Scale
- Working Temperature
  - Ambient : − 20 ~ 80 ℃
  - Fluid : − 20 ~ 80 ℃

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Sanitary Pressure Gauge

Model No. EFS-SS3137/8 series

EFS-SS3137 100mm

EFS-SS3138 100mm

Summary

This gauge is designed to guarantee the performance and the lifespan of the equipment which measures pressure of fluid which is mixed with powder that has coagulation in chemical industry such as food and various devices and lines for sanitation, etc. It also guarantees the performance and the lifespan when measuring fluid which has high corrosiveness.

Production Specification

- Diameter
  - 100 mm
- Accuracy
  - ±1.0% of Full Scale
- Scale Range
  - SS-3137 : − 0.1 ~ 0.3 MPa + 2 MPa, 0 ~ 3.5 MPa
  - SS-3138 : − 0.1 ~ 2 MPa, 0 ~ 10 MPa
  (※ 1 MPa = 10.19716 kgf/㎠)
- Working Pressure
  - Static pressure : 75% of Full Scale
  - Fluctuating pressure : 60% of Full Scale
- Working Temperature
  - Ambient : − 20 ~ 80 ℃
  - Fluid : − 20 ~ 80 ℃

Sanitary Pressure Gauge

Model No. EFS-SS3139 series

EFS-SS3139 100mm

Summary

This gauge is designed to guarantee the performance and the lifespan of the equipment which measures pressure of fluid which is mixed with powder that has coagulation in chemical industry such as food and various devices and lines for sanitation, etc. It also guarantees the performance and the lifespan when measuring fluid which has high corrosiveness.

Production Specification

- Diameter
  - 100 mm
- Accuracy
  - ±1.0% of Full Scale
- Scale Range
  - − 0.1 ~ 0.3 MPa + 2 MPa, 0 ~ 10 MPa
  (※ 1 MPa = 10.19716 kgf/㎠)
- Working Pressure
  - Static pressure : 75% of Full Scale
  - Fluctuating pressure : 60% of Full Scale
- Working Temperature
  - Ambient : − 20 ~ 80 ℃
  - Fluid : − 20 ~ 80 ℃

Differential Pressure Gauge (with Contact)

Model No. EFS-SS3301 series

EFS-SS3301

Summary

This gauge has L (low pressure side) and H (high pressure side) in pressure access port. By indicating the differential of pressure (differential pressure) of 2 places', it is able to measure the differential pressure and by using that, able to measure liquid level and flux too.

Production Specification

- Diameter
  - 100, 150mm
- Accuracy
  - ±1.5% of Full Scale
- Scale Range
  - 5 ~ 50 kPa, 0 ~ 1 MPa
- Working Pressure
  - Static pressure : 75% of Full Scale
  - Fluctuating pressure : 60% of Full Scale
- Working Temperature
  - Ambient : − 20 ~ 80 ℃
  - Fluid : − 20 ~ 80 ℃
- Degree of Protection
  - IP65

Differential Pressure Gauge

Model No. EFS-SS3302 series

EFS-SS3302

Summary

This gauge has L (low pressure side) and H (high pressure side) in pressure access port. By indicating the differential of pressure (differential pressure) of 2 places, it is able to measure the differential pressure and by using that, it is able to measure liquid level and flux too.

Production Specification

- Diameter
  - 100, 150mm
- Accuracy
  - ±1.5% of Full Scale
- Scale Range
  - 5 ~ 50 kPa, 0 ~ 1 MPa
- Working Pressure
  - Static pressure : 75% of Full Scale
  - Fluctuating pressure : 60% of Full Scale
- Working Temperature
  - Ambient : – 20 ~ 65 ℃
  - Fluid : – 20 ~ 80 ℃
- Degree of Protection
  - IP65

Differential Pressure Gauge (with Switch)

Model No. EFS-Magnetic 2010 series

EFS-Magnetic 2010

Summary

This gauge has a structure like EFS-Magnetic 2000 Model with contact signal. therfore, it producee a warning signal by sending it to buzzer, bell, polot-lamp.

Production Specification

- Diameter
  - 100mm
- Accuracy
  - ±2.0% of Full Scale
- Scale Range
  - –0.25~0.25kPa ~ –10~10kPa, 0~50kPa
  - (※ 1 kPa = 101.9716 mmH_2O)
- Working Pressure
  - Static pressure : 75% of Full Scale
  - Fluctuating pressure : 60% of Full Scale
- Working Temperature
  - Ambient : – 10 ~ 60 ℃

Differential Pressure Gauge

Model No. EFS-Magnetic 2000 series

EFS-Magnetic 2000

Summary

This gauge has L (low pressure side) and H (high pressure side) in pressure access port. By indicating the differential of pressure (differential pressure) of 2 places, it is able to measure the differential pressure and by using that, able to measure liquid level and flux too.

※Able to check whether the filter has blocked.

Production Specification

- Diameter
  - 100mm
- Accuracy
  - ±2.0% of Full Scale
- Scale Range
  - –0.25~0.25kPa ~ –10~10kPa, 0~50kPa
  - (※ 1 kPa = 101.9716 mmH_2O)
- Working Pressure
  - Static pressure : 75% of Full Scale
  - Fluctuating pressure : 60% of Full Scale
- Working Temperature
  - Ambient : – 10 ~ 60 ℃

Differential Pressure Gauge

Model No. EFS-Magnetic 3000 series

EFS-Magnetic 3000

Summary

This gauge has L (low pressure side) and H (high pressure side) in pressure access port. By indicating the differential of pressure (differential pressure) of 2 places, it is able to measure the differential pressure and by using that, able to measure liquid level and flux too.

※Able to check whether the filter has blocked.

Production Specification

- Diameter
  - 50mm, 80mm, 100mm
- Accuracy
  - ±2.0% of Full Scale
- Scale Range
  - 50kPa ~ 400kPa
  (※ 1 kPa = 0.01 bar)
- Working Pressure
  - Static pressure : 75% of Full Scale
  - Fluctuating pressure : 60% of Full Scale
- Working Temperature
  - Ambient : – 10 ~ 60 ℃

Differential Pressure Gauge (with Electric Contact)

Model No. EFS-Magnetic 3010 series

EFS-MAGNETIC 3010

Summary

This gauge has L (low pressure side) and H (high pressure side) in pressure access port. By indicating the differential of pressure (differential pressure) of 2 places, it is able to measure the differential pressure and by using that, able to measure liquid level and flux too.

※Able to check whether the filter has blocked.

Production Specification

- Diameter
  - 50mm, 80mm, 100mm
- Accuracy
  - ±2.0% of Full Scale
- Scale Range
  - 50kPa ~ 400kPa
  (※ 1 kPa = 0.01 bar)
- Working Pressure
  - Static pressure : 75% of Full Scale
  - Fluctuating pressure : 60% of Full Scale
- Working Temperature
  - Ambient : – 10 ~ 60 ℃

Explosion Protected Pressure Indicating Switch

Model No. EFS-KCD21 series

EFS-KCD21

[Explosion-protected of protection] Ex d IIC T4

Summary

This gauge is an internal explosion-proof type of pressure switch for prevention of explosion of plants, etc. The advantage is that it is easy to set the contact from outside as a switch.

Production Specification

- Accuracy
  - · Grade : ±1.5% of Full Scale
  - · Repeatability : ±1.0% of Adj Range
  - · Dead Band : ±4.0%
- Scale Range
  - · -0.1 ~ 2MPa, 0 ~ 35MPa
  - · (※ 1 MPa = 10.19716 kgf/㎠)
- Working Pressure
  - · Static pressure : 75% of Full Scale
  - · Fluctuating pressure : 60% of Full Scale
- Working Temperature
  - · Ambient : - 20 ~ 65℃
  - · Fluid : - 20 ~ 80℃
- Explosion-Protected of Protection
  - · Ex d IIC T4

Explosion Protected Pressure Gauge with Contact (Small Type)

Model No. EFS-KCD22 series

EFS-KCD22

[Explosion-protected of protection] Ex d IIC T4

Summary

This gauge is to prevent explosion disaster of plants, etc. It is an internal explosion-proof type of pressure switch. In places where combustible gas or liquid exist at petro chemistry, chemical fiber factory, be sure to use a pressure gauge which is internal explosion-proof type as an electric device.

Production Specification

- Diameter
  - · 100 mm
- Accuracy
  - · ±1.0% of Full Scale
- Scale Range
  - · - 0.1 ~ 2 MPa, 0 ~ 35 MPa, 5 ~ 50 kPa
    (※ 1 MPa = 10.19716 kgf/㎠)
  - - Others also can be made up
- Working Pressure
  - · Static pressure : 75% of Full Scale
  - · Fluctuating pressure : 60% of Full Scale
- Working Temperature
  - · Ambient : - 20 ~ 65℃
  - · Fluid : - 20 ~ 80℃
- Explosion-Protected of Protection
  - · Ex d IIC T4

Explosion Protected Pressure Gauge with Contact (Small Type)

Model No. EFS-KCD23 series

EFS-KCD23

[Explosion-protected of protection] Ex d IIC T4

Summary

This gauge is to prevent explosion disaster of plants, etc. It is an internal explosion-proof type of pressure switch. In places where combustible gas or liquid exist at petrochemistry or chemical fiber factory, be sure to use a pressure gauge which is an internal explotion-proof type as an electric device.

Production Specification

- Diameter
  - · 100 mm
- Accuracy
  - · ±1.0% of Full Scale
- Scale Range
  - · - 0.1 ~ 2 MPa, 0 ~ 35 MPa, 5 ~ 50 kPa
    MPa (※ 1 MPa = 10.19716 kgf/㎠)
  - · Others also can be made up
- Working Pressure
  - · Static pressure : 75% of Full Scale
  - · Fluctuating pressure : 60% of Full Scale
- Working Temperature
  - · Ambient : - 20 ~ 65℃
  - · Fluid : - 20 ~ 80℃
- Explosion-Protected of Protection
  - · Ex d IIC T4

Explosion Protected Pressure Switch

Model No. EFS-KCD30 series

EFS-KCD30

[Explosion-protected of protection] Ex d IIC T4

Summary

This gauge is a diaphragm type and applied to the change of processing line. The micro switch located inside the gauge works according to various fluid and pressure of atmosphere.

Production Specification

- Pointer Type
  - · No indication
- Accuracy
  - · Repeatability : ±1.0% of Adj Range
  - · Dead Band : ±4.0%
- Scale Range
  - · 0.5kPa ~ 50kPa
  - (※ 1 kPa = 101.9716 ㎜ H_2O)
- Working Pressure
  - · Static pressure : 75% of Full Scale
  - · Fluctuating pressure : 60% of Full Scale
- Working Temperature
  - · Ambient : – 20 ~ 65℃
  - · Fluid : – 20 ~ 80℃
- Explosion-Protected of Protection
  - · Ex d IIC T4

Explosion Protected Differential Pressure Switch

Model No. EFS-KCD31 series

EFS-KCD31

[Explosion-protected of protection] Ex d IIC T4

Summary

This gauge has the same structure as KCD-21 Series. It is a contact switch for differential pressure which can measure simple differential pressure and can be used as measuring sealed tank level, flux or for the prevention of blockage of filter.

Production Specification

- Accuracy
  - · Grade : ±1.5% of Full Scale
  - · Repeatability : ±1.0% of Adj Range
  - · Dead Band : ±4.0%
- Scale Range
  - · 0 ~ 50 kPa, 0 ~ 1 MPa
  - (※ 1 MPa = 10.19716 kgf/㎠)
- Working Pressure
  - · Static pressure : 75% of Full Scale
  - · Fluctuating pressure : 60% of Full Scale
- Working Temperature
  - · Ambient : – 20 ~ 65℃
  - · Fluid : – 20 ~ 80℃
- Explosion-Protected of Protection
  - · Ex d IIC T4

Explosion Protected Pressure Switch

Model No. EFS-KCD32 series

EFS-KCD32

[Explosion-protected of protection] Ex d IIB T5

Summary

This pressure switch is proper for pressure control, flow control, liquid level control such as oil pressure, air pressure, water pressure and so on. It was designed considering shock resistance, durability, etc. It has high accuracy, high reliability by using bourdon as an element. The micro switch works on various kinds of fluid and atmosphere pressure.

Production Specification

- Pointer Type
  - · No indication
- Accuracy
  - · Repeatability : ±1.0% of Adj Range
  - · Dead Band : ±4.0%
- Scale Range
  - · – 0.1 ~ 0 MPa, 0.05 ~ 10 MPa
  - (※ 1 MPa = 10.19716 kgf/㎠)
- Working Pressure
  - · Static pressure : 75% of Full Scale
  - · Fluctuating pressure : 60% of Full Scale
- Working Temperature
  - · Ambient : – 20 ~ 65℃
  - · Fluid : – 20 ~ 80℃
- Explosion-Protected of Protection
  - · Ex d IIB T5

Pressure Switch

Model No. EFS-KCQ21 series

EFS-KCQ21

Summary

This pressure switch is proper for various pressure controlling such as oil pressure, air pressure, water pressure, etc and also flow control, pressure control, liquid level control, etc. It is designed considering shock resistance, durability, etc. Therefore, it is enough proper for ships.

Production Specification

- Diameter
  - Square
  - 165mm x 130mm x 60mm (W x H x D)
- Accuracy
  - Repeatability : ±1.0% of Adj Range
  - Dead Band : ±4.0%
- Scale Range
  - – 0.1 ~ 2 MPa, 0 ~ 35 MPa
    (※ 1 MPa = 10.19716 kgf/㎠)
- Working Pressure
  - Static pressure : 75% of Full Scale
  - Fluctuating pressure : 60% of Full Scale
- Working Temperature
  - Ambient : – 20 ~ 65℃
  - Fluid : – 20 ~ 80℃

Pressure Switch

Model No. EFS-KCQ30 series

EFS-KCQ30

Summary

This pressure switch is proper for various pressure controlling such as oil pressure, air pressure, water pressure, etc and also flow control, pressure control, liquid level control, etc. It is designed considering shock resistance, durability, etc. Therefore, it is enough proper for ships.

Production Specification

- Diameter
  - Square
  - 124mm x 127mm x 90mm (W x H x D)
- Accuracy
  - Repeatability : ±1.0% of Adj Range
  - Dead Band : ±4.0%
- Scale Range
  - – 0.1 MPa ~ 2MPa, – 0.1 MPa ~ 0, 0 ~ 35 MPa
    (※ 1 MPa = 10.19716 kgf/㎠)
- Working Pressure
  - Static pressure : 75% of Full Scale
  - Fluctuating pressure : 60% of Full Scale
- Working Temperature
  - Ambient : – 20 ~ 65℃
  - Fluid : – 20 ~ 80℃

Pressure Switch

Model No. EFS-KCQ2020 series

KCQ- 2020

[The Utility Model Registration Number] 20– 2003–0016468

Summary

This pressure switch is proper for various pressure control such as oil pressure, air pressure, water pressure, etc and also flow control, pressure control, liquid level control, etc. It is designed considering shock resistance, durability, etc. Therefore, it is enough proper for ships.

Production Specification

- Diameter
  - Square
  - 115mm x 90mm x 74mm (W x H x D)
- Accuracy
  - ±1.5% of Full Scale
- Scale Range
  - Proof Pressure : 0.3 ~ 3 MPa
  - Differential : 0.03 ~ 0.6MPa
    (※ 1 MPa = 10.19716 kgf/㎠)
- Working Pressure
  - Static pressure : 75% of Full Scale
  - Fluctuating pressure : 60% of Full Scale
- Working Temperature
  - Ambient : – 20 ~ 65℃
  - Fluid : – 20 ~ 80℃

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Differential Pressure Gauge (with Micro Switch)

Model No. EFS-KDG17 series

EFS-KDG17

Summary

This gauge has a pressure inlet port. The pressure inlet port measures the differential pressure between low pressure side and high pressure side. It also measures warning liquid level of a tank, etc. It is proper in measuring high pressure and corrosive fluid.

Production Specification

- Diameter
  - 150mm
- Accuracy
  - Grade : ±1.5% of Full Scale
  - Repeatability : ±1.0% of Adj Range
  - Dead Band : ±4.0%
- Scale Range
  - 5 ~ 50 kPa, 0 ~ 1 MPa
  - (※ 1 MPa = 10.19716 kgf/㎠)
- Base Press
  - 5 MPa
- Working Pressure
  - Static pressure : 75% of Full Scale
  - Fluctuating pressure : 60% of Full Scale
- Working Temperature
  - Ambient : – 20 ~ 65℃
  - Fluid : – 20 ~ 80℃

Flow Switch

Model No. EFS-KFS2020 series

EFS-KFS2020

Summary

Flow switch is widely used for control by detecting the flow of hydraulic pump, sewage disposal plant, etc. The velocity of moving fluid is detected by paddle. By using a metal bellows, it is also designed not to get affected when detecting fluid even though there is a maximum 2MPa pressure change inside the pipe.

Production Specification

- Accuracy
  - ±2.0% of Full Scale
- Working Temperature
  - Fluid : 1 ~ 100℃
- Max. Pressure
  - 2 MPa (20bar)

Flow Switch

Model No. EFS-KFS2021 series

EFS-KFS2021

Summary

Flow switch is widely used for control by detecting the flow of hydraulic pump, sewage disposal plant, power plant, etc. The velocity of moving fluid is detected by paddle. By using a metal bellows, it is also designed not to get affected when detecting fluid even though there is a maximum 2MPa pressure change inside the pipe.

Production Specification

- Accuracy
  - ±2.0% of Full Scale
- Working Temperature
  - Fluid : 1 ~ 100℃
- Max. Pressure
  - 2 MPa (20bar)