## **SIEMENS**

### **Technical Instructions**

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# Fire Protection Sprinkler Service Gauge

#### Description

The Siemens Fire Protection Sprinkler Service Gauge is Underwriters Laboratory listed and Factory Mutual approved for fire protection sprinkler service. It has a 0 to 300 psi (0 to 2000 kPa) pressure range and is typically used on "wet" systems where water is available to the sprinkler heads.

It provides a triple scale dial plate (bar, kPa, and psi) to support use in multiple markets. A patented pointer damping technology provides unequalled shock and vibration resistance to extend gauge life. The large 3-1/2-inch diameter gauge is easy to read.

An optional shut-off ball valve accessory is available to simplify future gauge changeouts.

#### **Part Numbers**







Part No: 142-851 Shut-off Ball Valve



Appearance when units are installed together

#### **Features**

- Underwriters Laboratory listed and Factor Mutual (FM) approved.
- Triple scale dial plate to provide readings in psi, kPa or bar.
- Corrosion-resistant and rugged ABS case.
- Heat-resistant polycarbonate push-in window.
- PowerFlex<sup>™</sup> movement provides superior shock and vibration resistance.
- True Zero™ indication reduces the potential risk of installing a damaged gauge.
- · Standard 1/4-inch NPT threaded connection fits most applications.

#### **Specifications**

#### 142-801 Sprinkler Service Gauge

Pressure Range: 0 to 300 psi (0 to 2068 kPa) for "wet"

systems with water to sprinkler heads.

Scales on Dial Plate: 0 to 300 psi, 0 to 2000 kPa, 0 to 20 bar

Nominal Gauge Size and Indicator: 3-1/2-inch diameter with black aluminum pointer

Accuracy: ASME B 40.100

Grade B (±3-2-3% of span)

Operating Temperature: -40°F to 150°F (-40°C to 65°C)

Connection: 1/4-inch NPT brass lower connection

Construction: ABS case with polycarbonate window.

Shock and vibration resistant.

142-851 Gauge Shut-off Ball Valve

Connection: 1/4-inch NPT nickel-plated brass

Actuation: Quarter turn valve with black nylon handle.

Blow-out proof stem.

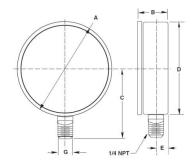
Pressure Range: Up to 450 psi (3100 kPa)

Operating Temperature Range: -4°F to 200°F (-20°C to 93°C)

Construction: Hard chrome-plated brass ball. PFE seat.

Vitron green O-ring.

#### **Dimensions**



SIZE/TYPE	Α	В	С	D	E	G	Weight
3½" 142-801	3.70	1.14	2.72	3.61	0.47	0.56	5.36 oz
	(94)	(29)	(69)	(92)	(11.9)	(14.2)	0.152 kg

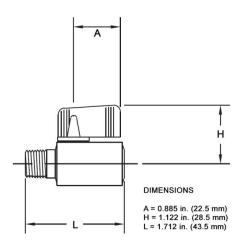


Figure 1. 142-801
Fire Protection Sprinkler Service Gauge.

Figure 2. 142-851 Shut-off Ball Valve Accessory.

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