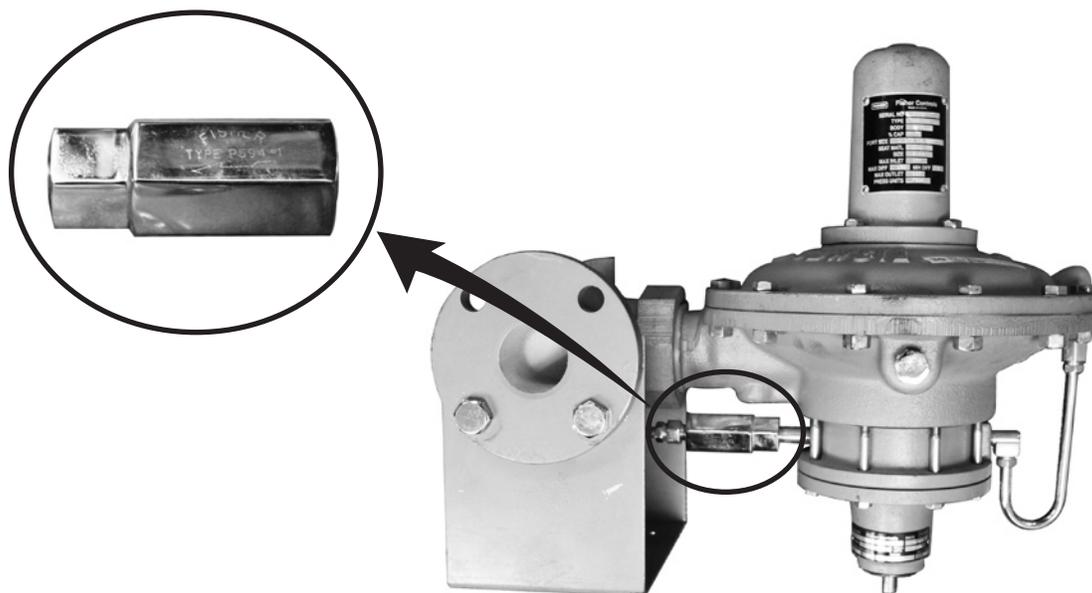


## P590 Series Filters



W0166-1

*Figure 1. Type P594-1 Mounted on Type 99 Gas Regulator*

### Introduction

P590 Series filters are designed to remove dirt, scale or other solid substances from gases just upstream from pilot supply lines for air or gas pressure regulators.

The filter elements in all P590 Series filters are readily accessible and easily cleaned.

### Product Description

**Type P594-1:** The filter element of this unit is cellulose impregnated with a phenolic resin. The body of this unit is brass.

**Type P593-1:** Similar to the Type P594-1. The body of this unit, however, is aluminum.

### Filtering Densities

The phenolic resin impregnated cellulose filter elements of these units are capable of removing all particles larger than 40 microns (0.0016-inch (0,04 mm) in diameter).



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## Specifications

### Sizing Coefficient

The gas sizing coefficient ( $C_g$ ) for all two filter elements at 75% clogged is in a range from 15 to 20.

### Body Size and End Connection Style

**Connections:** 1/4 NPT

**Length:** 3.25-inch (83 mm)

### Approximate Weight

2 pounds (1 kg)

### Maximum Working Pressure<sup>(1)</sup>

**Type P594-1 with Brass body:**

1400 psig (96,5 bar)

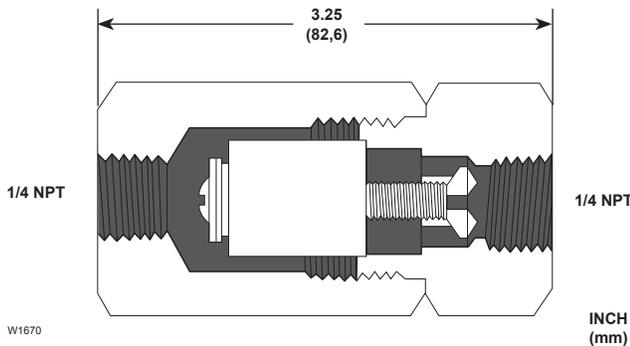
**Type P593-1 with Aluminum body:**

600 psig (41,4 bar)

### Ordering Information

To receive the fastest order processing, please specify type number and (for Type P593-1 only) the NACE option (NACE International standard MR0175-2003).

1. The pressure/temperature limits in this Bulletin or any applicable standard limitation should not be exceeded.



**Table 1. Filter Types and Materials**

TYPE	MATERIAL	
	Body	Filter Element
P593-1 <sup>(1)</sup>	Aluminum	Cellulose
P594-1	Brass	Cellulose

1. NACE option is available.

**Figure 2. Type P594-1 (Dimensions are same for Type P593-1)**

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