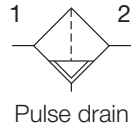
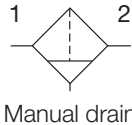


# P31 Particulate Filter – Mini

- Integral 1/4" ports (NPT, BSPP & BSPT)
- High efficiency 5 micron element as standard
- Excellent water removal efficiency
- Robust but lightweight aluminum construction
- One hand operation for easy element cartridge removal
- Positive bayonet latch to ensure correct & safe fitting



| Port Size | Description              | Part Number        |
|-----------|--------------------------|--------------------|
| 1/4"      | Poly Bowl, Manual Drain  | <b>P31FB92EGMN</b> |
| 1/4"      | Poly Bowl, Pulse Drain   | <b>P31FB92EGBN</b> |
| 1/4"      | Metal Bowl, Manual Drain | <b>P31FB92EMMN</b> |
| 1/4"      | Metal Bowl, Pulse Drain  | <b>P31FB92EMBN</b> |

## Operating information

|                        |                                      |
|------------------------|--------------------------------------|
| Supply pressure (max): |                                      |
| Plastic bowl           | 150 psig (10 bar)                    |
| Metal bowl             | 250 psig (17 bar)                    |
| Operating temperature: |                                      |
| Plastic bowl           | 14°F to 125°F (-10°C to 52°C)        |
| Metal bowl             | 14°F to 150°F (-10°C to 65.5°C)      |
| Standard filtration:   | 5 micron                             |
| Flow capacity*:        | 25 scfm (12 dm <sup>3</sup> /s, ANR) |
| Useful retention†:     | 0.4 US oz. (12 cm <sup>3</sup> )     |
| Weight:                | 0.24 lb (0.11 kg)                    |

\* Inlet pressure 91.3 psig (6.3 bar). Pressure drop 4.9 psig (0.34 bar).  
† Useful retention refers to volume below the quiet zone baffle.

Air quality:  
Within ISO 8573-1: 1991 Class 3 (Particulates)  
Within ISO 8573-1: 2001 Class 6 (Particulates)

## Ordering Information:

|                                                                        |  |                                                 |  |                                                                                     |  |  |
|------------------------------------------------------------------------|--|-------------------------------------------------|--|-------------------------------------------------------------------------------------|--|--|
| <b>P31FB 9 2 E G M N</b>                                               |  |                                                 |  |                                                                                     |  |  |
| <b>Basic Series</b><br>Global Modular Mini Particulate Filter<br>P31FB |  | <b>Thread type</b><br>BSPP 1<br>BSPT 2<br>NPT 9 |  | <b>Mounting</b><br>N No Bracket                                                     |  |  |
|                                                                        |  | <b>Port size</b><br>1/4 2                       |  | <b>Drain Type</b><br>M Manual Drain<br>B Pulse Drain<br>X Flex Drain                |  |  |
|                                                                        |  | <b>Element</b><br>5µ Element E                  |  | <b>Bowl type</b><br>G Poly Bowl With Bowl Guard<br>M Metal Bowl Without Sight Gauge |  |  |

Most popular.



For inventory, lead times, and kit

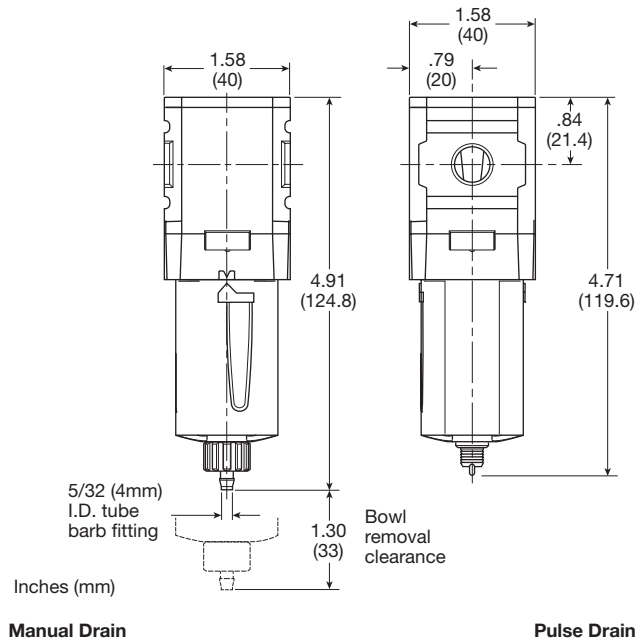
## MINI Particulate Filters

### Material Specifications

|                  |                       |
|------------------|-----------------------|
| Body             | Aluminum              |
| Body cap         | ABS                   |
| Plastic bowl     | Polycarbonate         |
| Metal bowl       | Aluminum              |
| Bowl guard       | Nylon                 |
| Element retainer | Acetal                |
| Baffle           | Acetal                |
| Filter element   | Sintered polyethylene |
| Seals            | Nitrile               |

### Repair and Service Kits

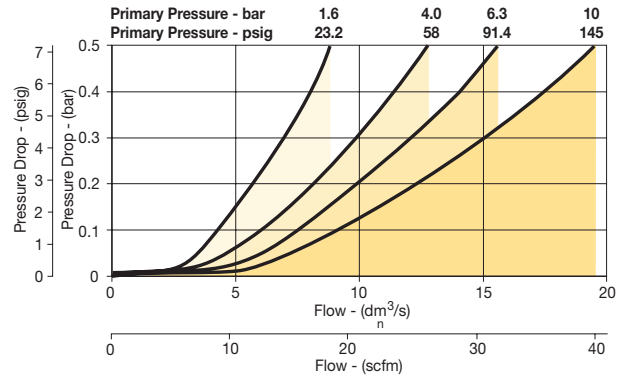
|                                            |                   |
|--------------------------------------------|-------------------|
| Plastic bowl / bowl guard, manual drain    | <b>P31KB00BGM</b> |
| Metal bowl / w/o sight gauge, manual drain | <b>P31KB00BMM</b> |
| Plastic bowl / bowl guard, pulse drain     | <b>P31KB00BGB</b> |
| Metal bowl / w/o sight gauge, pulse drain  | <b>P31KB00BMB</b> |
| 5 $\mu$ particle filter element            | <b>P31KA00ESE</b> |
| C-bracket (fits to body)                   | <b>P31KA00MW</b>  |
| T-bracket with body connector              | <b>P31KA00MT</b>  |
| Body connector                             | <b>P31KA00CB</b>  |



## MINIature / Inline

### Flow Charts

#### P31 1/4 Particulate Filter



Filters

Coalescers

Regulators

Filter /  
Regulators

Lubricators

Miniature / Inline  
Products



For inventory, lead times, and kit

J5

Parker Hannifin Corporation  
Pneumatic Division