

# High-Pressure, Inline Filter

## Model 245H

These inline filters feature a unique mechanism which combines Brownian motion and mechanical filtration to remove 99.99% of all particles 0.1 micron and larger. Suited for use upstream of regulators, these filters protect the regulator from particulate contamination that can build up and eventually cause seat leakage and regulator failure. The filter housing includes a third port (supplied with 1/4" hex plug) to provide access to purge or bypass filtration.

The element is easily placed. The filter element has excellent resistance to water, high pH solutions, oxygenated solvents and strong acids. The filter configuration allows the element to be replaced without removing the filter from the process line.

### Specifications

- Inlet Pressure:** 3000 psig (207 bar) maximum
- Operating Temperature Range:** -58°F to 300°F (-50°C to 149°C)
- Differential Pressure:** 100 psi maximum
- Flow Coefficient:** Cv = 0.8
- Filtration Rating:** 0.1 micron at 99.99% efficiency
- Inlet/Outlet Connection:** 1/4" NPT Female
- Plug Port:** 1/4" NPT Female supplied with a plug

### Materials of Construction

- Body:** Brass bar stock or 316L Stainless Steel
- Seal:** PTFE
- Filter Element:** Borosilicate glass fibers with a fluorocarbon resin binder

Model Number	Description
Q3-245HB	High-Pressure Filter – Brass
Q3-245HS	High-Pressure Filter – Stainless Steel
Q3-245E	Replacement Element
Q3-245HO	Replacement Seal