

High Pressure Industrial / Commercial Pounds-to-Pounds Regulators

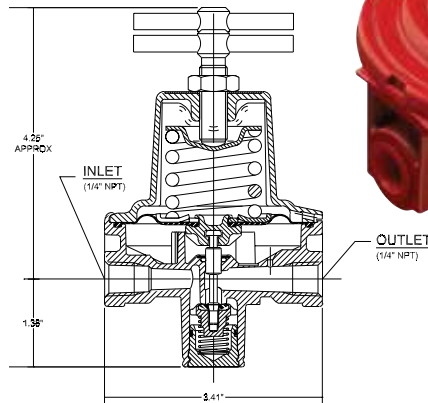
597F Series

Application

Designed to reduce propane gas container pressure down to between 3 and 100 PSIG. Ideal for liquid or vapor service, they can be used in a variety of applications including salamander heaters, weed burning torches, fish cookers, tar pot heaters, and other industrial type services.

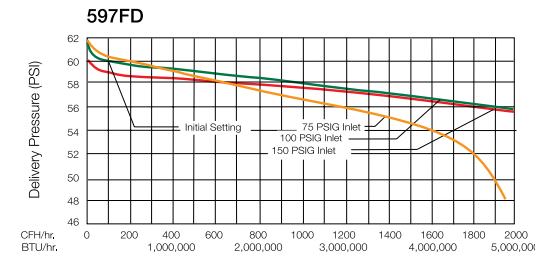
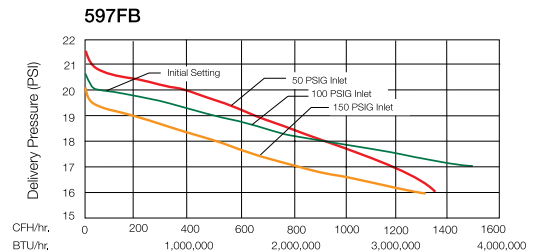
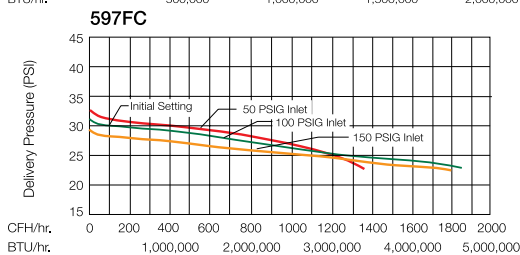
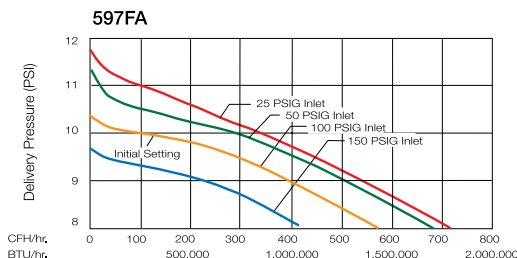
Features

- Provides high capacity performance at a reasonable price.
- Suitable for both liquid and vapor service.
- Compact design provides for easy installation.
- Negative or indirect acting design provides for excellent performance when needed most – in cold weather, when tank pressures are lowest and system demands are highest.
- Consistent delivery pressure, especially in cold weather, helps ensure maximum performance from the second stage regulator.
- Can be readily fitted with a pressure gauge in the 1/4" F.NPT port.
- Molded diaphragm provides an o-ring like seal between the body and the bonnet.
- Fully painted in brilliant red for complete corrosion protection.
- Available in four adjustable ranges for maximum performance.
- Bonnet and body are assembled in the USA using the unique, patented RegULok™ Seal System.
- Temperature Range: -40°F to +165°F



Materials

- Body Zinc
- Bonnet Zinc
- Springs Steel
- Valve Seat Discs Resilient Rubber
- Diaphragms Integrated Fabric and Synthetic Rubber
- Adjusting Screw Brass



Ordering Information

Part Number	Adjustment Method	Inlet Connection	Outlet Connection	Adjustment Range	Capacity Determined at Set Pressure of PSIG*	Vapor Capacity BTU/hr Propane**
597FA	Tee Handle	1/4" NPT	1/4" NPT	1 to 15 PSIG (0.07 to 1.0 bar)	10 PSIG (0.7 bar)	1,750,000 BTU/hr (37 KG/hr)
597FB				10 to 30 PSIG (0.69 to 2.0 bar)	20 PSIG (1.4 bar)	3,000,000 BTU/hr (63 KG/hr)
597FC				20 to 45 PSIG (1.4 to 3.1 bar)	30 PSIG (2.0 bar)	3,500,000 BTU/hr (74 KG/hr)
597FD				40 to 100 PSIG (2.75 to 6.9 bar)	40 PSIG (2.75 bar)	4,500,000 BTU/hr (95 KG/hr)

* Set pressure established at 100 PSIG(6.9 BARG) inlet and a flow of 250,000 BTU/hr.

** Capacity determined at actual delivery pressure 20% less than set pressure with inlet pressure 20 PSIG higher than the set pressure.

NOTE: Care must be taken to prevent re-liquefaction of propane at normal temperatures by heat tracing or other effective means. Use of a relief valve upstream or downstream of these regulators is recommended in accordance with NFPA 58.