

Sanitary Gauges

SA/PI-01A

POLYSULFONE WINDOW ON THE 1032 SANITARY GAUGE **(Available in 3½" gauge only)**

Applications for the 35-1032 sanitary gauge in the food processing, pharmaceutical and biotech markets at times include periodic steam sterilization in an autoclave.

Autoclaving or steam sterilization is performed at different intervals depending on the customer's requirements and applications. Typical cycles are 15 minutes at either 250°F or 270°F in saturated steam with or without a preliminary vacuum cycle. At 270°F the autoclave pressure will be 27 psig.

Although the standard polycarbonate window on the 35-1032 can withstand temperatures to 270°F, the polysulfone (XPS variation) window provides superior performance when exposed to high temperature, wet steam, vacuum/pressure cycles in an autoclave. The polysulfone window has temperature limits of -150°F to over 300°F and may be identified by its slight amber tint.

Testing has shown that applying standard torque to the window ring with the polysulfone window may cause stress on the window and in some cases, cause the window to crack during high temperature sterilization. Therefore, when a polysulfone window is ordered, the gauge will be provided with a ring that is hand tightened between 80-100 inch pounds. A 35-1032 that will be autoclaved and furnished with a polysulfone window is not liquid fillable.