Electrothermal

Integrity 10 Glassware and Inerting Cap

Pressure and Chemical Resistance.

ATS10075 24mm diameter Glassware	Borosilicate glass, 1.6mm wall thickness. General glassware is not pressure tested. ***Warning: Standard glassware supplied for the Integrity product is not designed for high pressure applications. Maximum operating pressure of standard glassware with Inerting cap fitted is 0.5bar gauge.*** ***Warning: Glass vessels can explode or implode violently, either spontaneously from stress failure caused by pressure or vacuum, or from accidental impact.*** ***Carefully check glass vessels for star cracks, scratches or etching marks before each use. Cracks can increase the likelihood of breakage or may allow chemicals to leak into the equipment.*** ***Conduct all pressure and vacuum operations in glass vessels behind adequate shielding and use Personnel Protective Equipment (Full face guard, gloves, protective clothing) during handling.*** Risk assessment is required by end user to ensure adequate safety precautions / use of, screens , hoods, Personal Protective Equipment etc. for process being operated with glassware at pressures other than atmospheric. Warning: When inerting cap is fitted, the septum cap can acts as a pressure relief valve which can open suddenly and blow out (with some velocity) at pressures approaching 2 bar gauge. (NB: Sampling probes inserted through Septum cap may restrict this pressure relief action.) *For high pressure applications, please contact :* help@electrothermal.com
ATS10377 Inerting Cap Materials	See below
Viton (Main seal and o rings)	Viton is resistant to a wide range of chemicals including oils, aqueous media and most other fluids. Recommend check for specific chemicals by reference to internet search engine. Numerous web sites give data on Viton chemical resistance. http://www.dupontelastomers.com/Products/Viton/viton.asp
PFTE Cap and valve spindle	PTFE is resistant to a wide range of chemicals, including ozone, chlorine, acetic acid, ammonia sulphuric acid and hydrochloric acid. The only chemicals known to affect these coatings are molten alkali metals and highly reactive fluorinating agents. Recommend check for specific chemicals by reference to internet search engine. http://www2.dupont.com/Teflon_Industrial/en_US/tech_info/prodinfo_ptfe.html
Silicone Cap Septum	Peroxide cross linked HTV silicone rubber, classified in accordance with ASTM D 1418 as VMQ. Recommend check for specific chemicals by reference to internet search engine
316 Stainless Steel gas nozzle	Recommend check for specific chemicals by reference to internet search engine.
316 Stainless steel 2mm dia sampling hole bung	Recommend check for specific chemicals by reference to internet search engine.