



Assmann Nozzles VS Competition

A WHITE PAPER FROM ASSMANN

Assmann Corporation's nozzles are different from our competitors in numerous ways. The following shows some of the differences that Assmann tanks have versus our competition. Also note that, in addition to the comments below, Assmann Corporation hydrostatically tests every tank that ships from our facilities.

Bulkhead (FNPT): Assmann uses only high-quality components on our tanks. We use Schedule 80 CPVC or PVC connections and only use brand name Polypropylene connections. Many manufacturers will use low end polypropylene nozzles that are extremely brittle or do not have long shank threads. Other manufacturers will use wide spec PVC nozzles that are easily cross threaded. Assmann Corporation will not manufacture your tank or install bulkhead fittings if we feel that application is marginal. We will work out the best nozzle selection for each application. No "cookie cutter" tanks

Flange (FNPT): Assmann Corporation installs our flange nozzles with the use of rubber head bolts. Our bolts are unique that the entire head of the bolt (2" dia.) is encapsulated with rubber, EPDM, VITON, BUNA, etc. Most of our competition will use a plastic headed bolt with a rubber gasket. When tightening a plastic headed bolt, the internal gasket will often spin causing a leak. Other manufacturers will install a "two flanges" connection. With this type an internal and external flange are installed. This two-flange configuration has a backing plate to make up for a thin-walled tank.

Metallic (FNPT) (NPT) (NPT X NPT): Assmann installs a variety of metallic nozzles versus our competition. Typically, our competition only constructs 316 or 304 Stainless fittings. Also, our competition uses zinc or galvanized hardware on Stainless nozzles whereas Assmann uses all of the same hardware when we construct our nozzles (i.e., Stainless on Stainless, Titanium on Titanium etc.). Assmann also constructs our nozzles from various materials Hastelloy, Titanium, and Carbon Steel and we are willing to vary from a standard set up to meet the application. We will construct metallic nozzles with thicker internal and external plates and increase bolt diameter if required.

Molded In (NPT) (Flanged): Assmann's FDO Nozzle is equal to options provided by competitive manufacturers. We have competition that utilizes a metal insert similar to ours; however, our competition does not use a national pipe thread but utilizes a straight thread that relies on an O-ring type seal instead of a national pipe thread. We also have competitors utilize a molded in flange. The molded in flange assembly exposes a cross section of plastic to harsh chemicals which will cause premature tank failure. ASSMANN's FDO nozzle also has cross section exposure; however, the portion of the flange that has the exposure is replaceable, giving you the opportunity to replace the nozzle to achieve additional tank life.



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