



## Full Drain Outlet (FDO) Features and Benefits

A White Paper from Assmann



**Molded-in fittings are ideal for applications where a full drain connection is required and where the application cannot accept a conical bottom tank.** Assmann's molded-in nozzle fitting has an encapsulated metallic insert that is constructed of 316 Stainless, Titanium or Hastelloy. This nozzle is supplied with a companion flange constructed of Crosslink polyethylene with an encapsulated metallic insert. With this nozzle, an elevation pad is required, as the flange connection extends below the tank's base. The benefits to this nozzle are that you can achieve full drain without expensive conical stands, the tank can be cleaned without entering the vessel, and solids and sediment are pulled off the tank bottom every time that suction is applied.

**Assmann's integrally molded-in FDO Nozzle** is equal to options provided by competitive manufacturers. Our competition utilizes a metal insert similar to ours, however, their design 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 that 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 has a fully replaceable flange that gives you the opportunity to get additional tank life. Assmann FDO connection can also be installed in any location around the circumference of the tank making your installation simple.

**Available in: 316 Stainless Steel,  
Titanium or Hastelloy C-276 construction**

