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Agriculture  
Chemical Processing  
Fuels & Energy  
Sanitary  
Water

Subject: FDA Compliant Materials

Date: April 23, 2013

This notification confirms that Versa-Matic Food Processing Pumps and Sanitary 3A Pumps are constructed with the following FDA compliant materials:

- Water chambers, manifolds and outer diaphragm plates are made from CF8M (cast 316) stainless steel that has been electropolished per ASTM B912
- Valve seats are made from 316 SS, Virgin PTFE, Hytrel 4069, or Santoprene 273-40
- Valve seat o-rings are made from Virgin PTFE
- Diaphragms and balls are made from Virgin PTFE, Hytrel 4069, or Santoprene 273-40
- Center sections, air chambers and air valves are made from nickel plated aluminum or polypropylene

<sup>1</sup>Electropolishing refers to an electrochemical process by which surface material is removed by anodic dissolution, "reverse plating". Electropolishing delivers a smoother more reflective surface that reduces product adhesion and dissolves free iron, inclusions and embedded particles from the surface of the part. Electropolished stainless steels are better suited to resist the onset of pitting corrosion, crevice corrosion, localized galvanic corrosion, stress corrosion cracking and microbiologically influenced corrosion.