









Rotary Valve Piston Pump Filling System

- Pumps available in either Stainless Steel or Ceramic
- Ceramic pumps fit in same pump stations as Stainless Steel



- Made of Al2O3 (99.7%) or Zr02
- · High wear resistance
- · Chemical resistance in acid and alkaline range



- · Made of 316 L stainless steel
- Parts are manufactured from one piece, no welded seams
- Electropolished



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Rotary Valve Piston Pump Filling System

Benefits

- Accurate, repeatable fill volumes, also at high speed
- Most popular pump type, very well known
- No seals
- Simple assembly
- · Easy to clean and sterilize

Points to consider

- Crystallising products
- Longer CIP/SIP cycle time than TPF (more steel)
- Not applicable for high temperature filling >35°C



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- · Pump tubing (two parallel hoses) is compressed for product flow
- Pump tubing is a closed system from product supply up to the filling needle
- Accuracy is maintained between range of 0.5% to 1.5% of nominal fill volume, depending on tubing size and speed
- Two sizes available (up to 30ml, up to 500ml)
- · Preferred solutions for single use applications









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Peristaltic Pumps Filling System

Benefits

- · First choice for shear sensitive products (protein)
- · First choice for single-use-filling systems
- Easy handling (one hand operation)
- · Tubing is the only size part
- · Closed system

Limitations

· Viscous products

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