

# Improve the reliability and product safety

## FMa Product Rotary union

### VALUE AND BENEFITS

- Product inlet passing through central (fixed) pipe so no dynamic tightness on product path
- Avoid direct heating of product path → Steam / condensate barrier is above product tank
- Bearingless / greasless solution by using plastic slide rings and guides
- 2 maintenances of plastic parts (gaskets, slide rings) per year: every 3,000h / 100 cycles
- Increase reliability / improve product safety

Value: Cost optimisation / Product quality

Equipment: Fillers Sensofill RFH FMa

Catalogue code: SP020

### DESCRIPTION

- Elimination of o-rings on central (fixed) part / modification of other grooves
- Air / N2 for tank flushing passing through (fixed) pipe
- Air / N2 return through spray balles so no dynamic tightness on gas path
- Improvement of gaskets compression
  - o-rings in Viton for high temperature
  - Reduction of axial gap to reduce gaskets' wear
- Improvement of chromium oxide ceramic coating
  - Directly sprayed on the central part without under-layer
  - Control of steam quality (chlorides, etc.) needed to ensure lifetime

