

## PRESS RELEASE – TE/F Tank bottom Valve

### Richter unveils first PFA lined ball-valve technology based Tank bottom valve for lined tank containers

**Kempen, August 2016** - Richter Chemie-Technik GmbH, a global leader in lined pump and valve solutions, has introduced a newly designed TE/F tank bottom valve, the first ball-valve technology based lined foot valve completed with the NKS-T lined butterfly valve.

Based on Richter's proven technology, the TE/F tank bottom valve and NKS-T butterfly valve reduce total cost of ownership while increasing safety and efficiency.

Richter's ball-valve technology eliminates the possibility of damaging the internal coating with opening and closing of the valve which eventually leads to corrosion. Furthermore, the TE/F valve is equipped with up to 5 times thicker PFA coating, a material which delivers better performance on typical chemical resistance compared to current ECTFE solutions. Richter's ball and butterfly valves have proven to last up to more than a decade in the most extreme conditions. Real world examples of over 900,000 cycles of our PFA/PTFE lined NK series butterfly valves are not uncommon.

The typical '*emergency closing mechanism*' (steel wire) offers no option for the operators to open the 'last line of defense' *outside* the danger zone. With the safety of the operator in mind, Richter has replaced this 'remote control' with a robust stainless steel bar system for closing AND opening at a safe distance to ensure the operator will not be in harm's way with either of these two procedures. To complete the offering, Richter introduces the NKS-T Butterfly valve which is based on the successful NKS series of butterfly valves to fit perfectly with the TE/F tank bottom valve. The TE/F valve also features Richter's Labyrinth seal and ENVIPACK technology, which adds to the total concept of a robust design combined with great performance.

"The TE/F was developed out of a direct operator need across the Tank Container industry to reduce operating costs," said Keshwar Anroedh, Global marketing manager at Richter Chemie-Technik GmbH.

"We're proud to supply the logistics industry with innovative solutions that will provide increased safety, along with better performance and increased lifetime," he continued.

Richter's TE/F Tank bottom valve and NKS-T Butterfly valve are available in DN80 (3") and are well-suited for lined tank containers transporting corrosive or high purity media. This is another example of Richter's solution focused innovative engineering by simply listening to the end user.

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