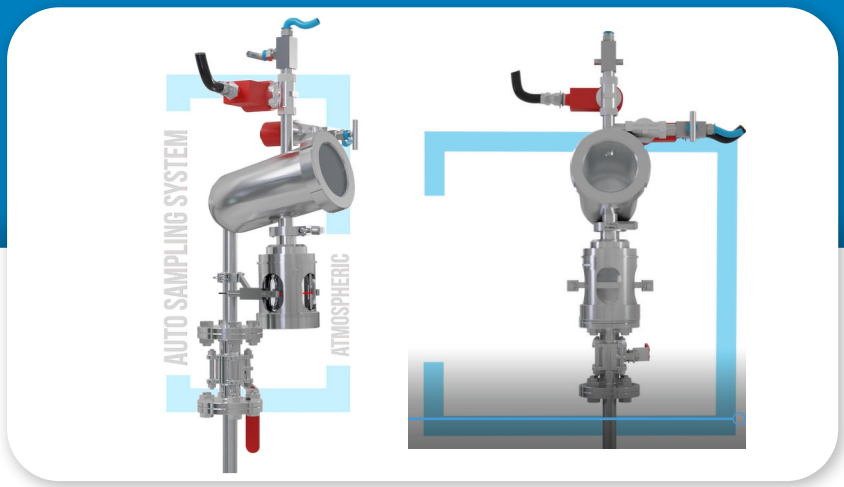
SCHEMATIC AUTO SAMPLING SYSTEM ATMOSPHERIC (ASSA™)

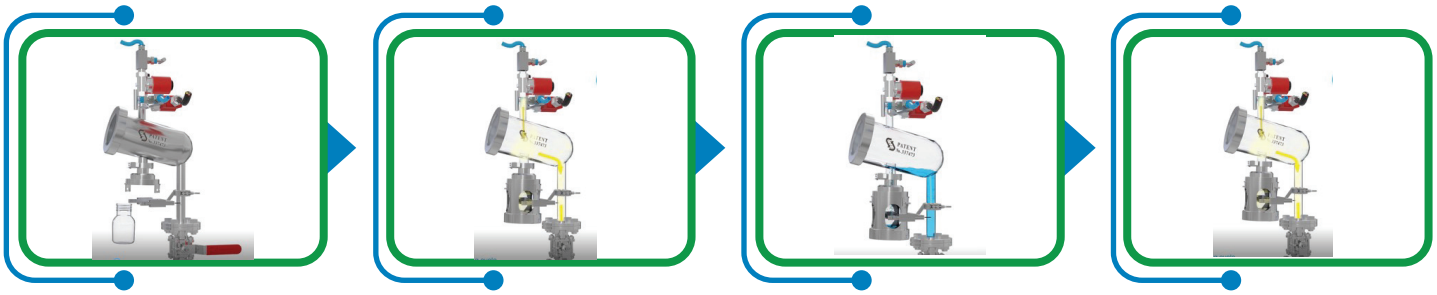
SCHEMATIC®

SCHEMATIC'S PATENTED ASSA™ ALLOWS THE SAFE, EASY & PRECISE AUTOMATIC REACTOR SAMPLING AT ATMOSPHERIC PRESSURE.



The ASSA™ is mounted on the flange of the reactor dip pipe. In operation, the dip pipe ball valve is opened and the operator activates the ASSA™. Nitrogen (N2) is automatically purged into the system to flush out any stagnant process media contained inside the dip pipe. The ASSA™ then automatically pulls a vacuum to extract a sample of the process media and dispense into the collection pot. Nitrogen is then once again purged into the dip pipe to drain the excess liquid from the system. When the ASSA™ cycle is complete, the operator closes the dip pipe ball valve and takes the sample for processing.

ASSA™ - OPERATION



Secure the sampling bottle to the ASSA™ and start

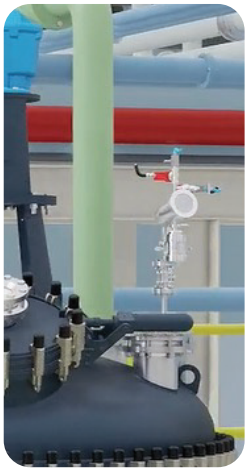
N2 purges the dip-pipe

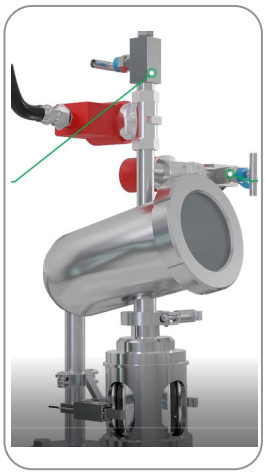
A vacuum then pulls process media into the collect pot

The dip-pipe is N2 flushed to drain the system

SMART & INNOVATIVE SOLUTIONS

- N2 purging and flushing ensures the system is always clean and free from stagnant process media.
- The optical fill level sensor can extract random samples from 10ml to 100 ml.
- Dip pipe N2 flushing ensures true random sampling.
- Closed sampling protects the operator enabling sampling even when the reactor is at temperature.
- Temperature range is from -40 °C (-40 °F) to 200 °C (392 °F).
- The ASSA™ is offered in SS316, Hastelloy C22, Stancoat and PTFE coated for operation in extreme corrosive applications.





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