

BULK TANK VENT SCRUBBERS FROM NIPLAST®



The bulk storage of fuming chemicals, for example, hydrochloric acid, or ammonia, bring with it the challenges of cleaning the fumes arising from the chemicals in question.

There are two stages associated with fuming chemicals that need to be considered and fully addressed.

The first stage is the fumes emitted during the delivery of the chemical into the bulk storage tank, normally from a road tanker. This mode generates the highest volume of fuming.

The second stage is the fumes arising during normal day-to-day bulk storage of the chemical.



Both stages need to be accommodated with appropriate fume scrubbing systems and NIPLAST® bulk tank vent systems are individually designed and manufactured for the specific chemical, the chemical's concentration, the amount being delivered and the delivery mode for example, pumped discharge or pressurised discharge.

NIPLAST® bulk tank vent systems are typically housed within corrosion resistant NIPLAST® cylindrical vertical bodies and feature mass transfer technology, to push the chemical gas particles into liquid phase from the fuming gaseous phase.

Recirculating scrubbing liquors pass through a section of ring type packing, meeting the rising fumes, thus creating the mass transfer from gas phase to liquid phase required.

NIPLAST® Bulk Tank Vent Scrubbing systems feature liquor distribution networks to keep the packing wet and incorporate demisters as a final barrier to any rogue gas particles.

NIPLAST® Bulk Tank Vent systems can be supplied alongside NIPLAST® chemical storage tanks as a full turnkey package or as standalone systems for existing tank installations.

Levels of control can increase in sophistication to minimise operator involvement.

To request a quote or discuss further with an expert email info@niplast.com or call **0161 477 6777**

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