



CYANURIC CHLORIDE

Bulk Supply

1. Bulk Supply

WeylChem Wesseling GmbH offers assistance in silo-construction including conveying systems for providing reactor(s) with Cyanuric Chloride.



2. Equipment for Bulk Supply

Supply silo

Nominal size (dependent on customer needs)	100 m ³
Apex angle inside the cone	28 °
Diameter at the exit/pipe diameter between silo and blow tank	300 mm
Delivery aid: vibratory bottom	diameter 1650 mm
Relief flap	At filter bypass/weight loaded with signaling
Circulation	Recommended after 20-24 h if no Cyanuric Chloride was handled
Material	SS 316 Ti
Temperature in storage	≤40 °C
Delivery pipe from silo truck	80 mm hose

Blow tank

Nominal size output	500 liter 80/100 mm, 19 mt/h
Construction	Inverted pear shape, dished boiler end at the top and tapered downward
Connecting pipes (dependent on the application)	25 to 100 mm
Material	SS 316 Ti

Blow tank	
Nominal size	DN 50: 60.3 x 2 mm DN 80: 88.9 x 2.3 mm DN 100: 114.3 x 2.8 mm
Maximum length of the delivery pipe vertical/horizontal	≤ 22 m / ≤ 45-60 m
Bow radius	R = 20 * diameter to 50 mm piping R = 10 * diameter to 80-150 mm piping
Material Primary pressure for delivery Empty pipe air velocity Specific delivery capacity	SS 316 Ti with welding neck flange, PP up to 3.4 bar 5.85 m/s in 80 mm piping 32-35 kg CC/kg air

Gaskets	
Material	PVC, Viton, PTFE

Filter	
Type	Bag filter (company: BHS)
Material	Polyester needled felt, 550 g/m ² , welded or pasted tubing
Material and enclosure	SS 316 Ti, stained, passivated
Geometry of enclosure	Silo bin top filter 1000 mm
Air to cloth ratio	With tubing 50-80 m ³ air/(m ² h)
Cleaning	Back-pulse with air
Disposal	Transport in plastic containers, washed and neutralized, storage at landfill

Delivery air	
Quality (dew point)	-4 °C
Pressure for unloading silo truck	1.5 bar
Delivery capacity for unloading silo truck	500-600 m ³ /h

3. Support

WeylChem Wesseling GmbH provides support on:

- Packaging, storage and transportation of Cyanuric Chloride
- Discharging and handling of Cyanuric Chloride with regard to working safety and hygiene
- Personal protection measures
- Scrubber systems
- Waste water management with regard to AOX
- Disposal of Cyanuric Chloride
- Worst case scenarios



IMPORTANT NOTE

For all chemicals, observance of the latest safety data sheets is highly recommended. Also, all special recommendations given by the suppliers concerning handling, applications and the use of protective measures have to be considered.

All local and/or national regulations and laws governing the handling, transport and storage etc. of harmful substances must be observed.



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