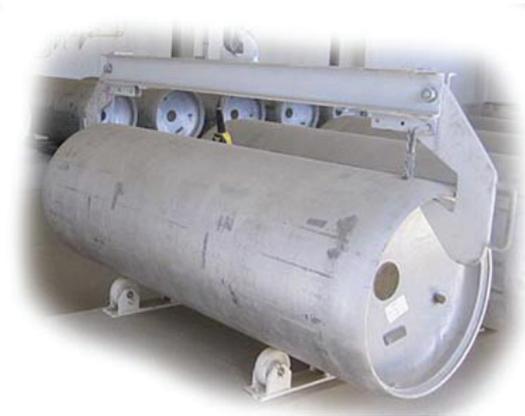


Chlorine barrel



General

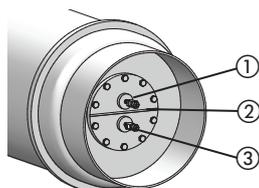
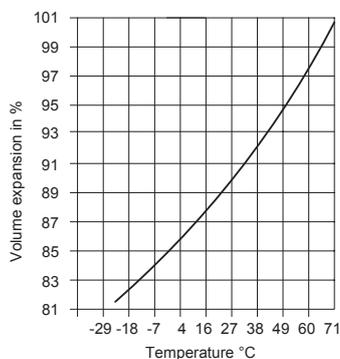
Chlorine drums are steel containers with a capacity of 500 to 1000 kg of chlorine. The pressure in the drums is at a level where the chlorine in this container is present in its liquid form. Due to the high volume expansion of the liquid chlorine, the drum must never be fully filled with liquid chlorine. The maximum permissible fill level is 84% of the container volume, so that it is guaranteed that the chlorine drum offers sufficient space for the temperature-dependent formation of chlorine gas.

Chlorine drums are fitted with two identical valves so that the chlorine can be withdrawn either in its liquid or gaseous form. The valves are located vertically above each other. Between the valves is a horizontal marking (2) that ensures the correct storage of the drums. The top valve (1) provides gaseous chlorine, whereas the bottom valve (3) provides liquid chlorine.

Storage and transport

The chlorine drums are stored lying on their side. They are stored on drum bases so that they cannot roll off. Always store the drums in a way that they are protected from adverse weather and direct sunlight. Drums that are to be used are placed on a support, which is fitted with castors, so that the drums can be rotated into the correct position for the operating sequence.

Only the correct lifting equipment for transport and the intended use is permissible, for example special crane crossbeams. Protect the valves of the chlorine drums with the provided protective caps or covers before each change of position / location.



Technical data

Version			Welded or seamless with vertical immersion pipes and a horizontal marking on the drum
Corrosion allowance		mm	Minimum 1.5
Heat treatment			Low-tension annealed
Calculated overpressure		bar	45
Hydraulic test pressure		bar	45
Pneumatic test pressure		bar	6
Operating temperature range		°C	-40 – 50
Stamping		kg	Empty weight, "Chlorine", year of manufacture, content, manufacturer
Possible connection thread of the drum valves			W 1 1/4" acc. to DIN 477
			G 3/4" BSP
			G 5/8" BSP
			G 1/2"
			1.030"-14NGO-RH-EXT
Materials	Chlorine barrel		P355NL1 acc. to EN10028-3
	Drum valves		Body: Bronze or aluminium silicon bronze Valve spindle: Stainless steel or Monel
Coating			Minimum 100 µm, colour RAL 1003
Dimensions (D x L)	500 kg chlorine drum	mm	approx. 760 x 1500
	1000 kg chlorine drum	mm	approx. 850 x 2000