

Neutralisation system M 6100 C



- Neutralises Cl₂ in case of uncontrolled gas leakage
- 99,96% of neutralization achieved inside the suction ejector
- Provides safety in chlorine storage area
- Automatic operation
- Easy to assemble and to maintain

GENERAL

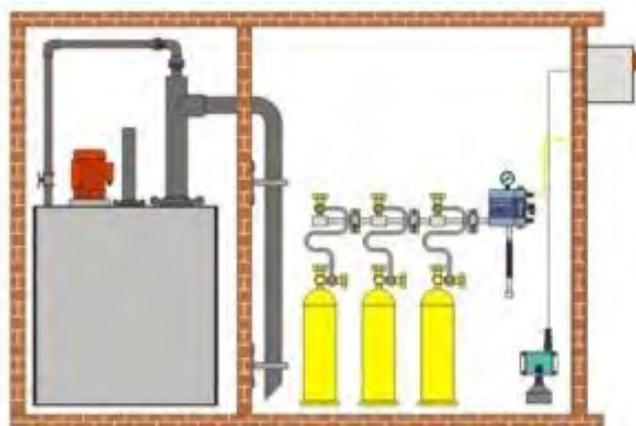
Gaseous chlorine neutralisation system is designed to protect gaseous chlorine storage areas, devices for gaseous chlorine dosing and people. The most common cause of uncontrolled chlorine leakage are negligence, inadequate handling or a fault on the pressure part of chlorine installation, i.e. on the elements between the chlorine cylinder and the vacuum regulator (bad or worn-out seals, a damaged gas cylinder valve etc.)

OPERATION

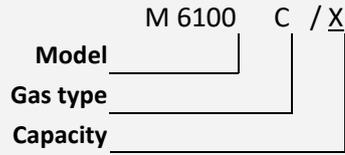
The chlorine neutralization device is activated manually or automatically by chlorine gas leak detector – with probe which detects the presence of gaseous chlorine in the room. The pump is activated in order to pump the neutralization solution through the ejector, creating vacuum, and thus sucks chlorine from the storage room directly into the solution which neutralises it. The mixture of the chlorine atmosphere and the solution provokes a chemical reaction that completely neutralise the chlorine. The clean air is sent back to the atmosphere through the air hole of the neutralization device.

Neutralisation device main parts:

- Neutralization solution tank
- Special high resistant pump for ejector activation and mixing of neutralization solution. The pump is resistant to aggressive liquids and temperature media up to 60°C .
- Special vacuum ejector for contaminated air suction (capacity = 150 m³/h)



ORDER CODE



OPTIONS:

- Gas type: "C" = chlorine
 - Capacity: 50 = 50 kg/h
 100 = 100 kg/h
 300 = 300 kg/h
 400 = 400 kg/h
 500 = 500 kg/h
- Other capacities are available on request!

TECHNICAL DATA



Model	Capacity	Power	Suction capacity	Reservoir volume
	Kg	kW	m3/h	l (min)
M 6100 C/50	50	2,2	150	900
M 6100 C/100	100	2,2	150	1800
M 6100 C/200	200	2,2	300	3600
M 6100 C/300	300	2,2	300	5400
M 6100 C/400	400	2 x 2,2	600	7200
M 6100 C/500	500	2 x 2,2	600	9000

Reservoir shape and dimensions:

Controlmatik offers standard and custom made neutralization device dimensions!

