



CHLORINE ABSORPTION SYSTEM HYDRAVENT600

FUNCTION

Absorption of chlorine gas which may occur due to minor fault or routine operation from Chlorine Gas Vacuum Regulators.

APPLICATION

All Vacuum Regulators/Chlorine Gas Systems include a safety vent facility to relieve gas if the system pressure rises above atmospheric. These releases may be due to normal valve operation in the start/stop/changeover function of the system or due to partial fouling of the pressure reducing components.

Current standards indicate that the safety vent line shall be terminated to a safe location, normally outside the chlorine building.

This has two negative aspects:

a. Where is a safe location?

A location that is initially considered safe at the time of original installation may be less safe later, due to personnel habit changes or subsequent site works.

b. In some instances, vented gas may not be detected and as such a potential hazard or subsequent corrosion may be averted.

Terminating vent lines to an absorption column will alleviate any atmospheric release of chlorine gas in standard chlorine systems under normal operating conditions for up to 12 months.



BENEFITS SUMMARY

- ◆ Improved safety by optimum location of the vent line termination.
- ◆ Reduced surface corrosion in the vicinity of vent termination.
- ◆ The absorption column/s can be installed in the chlorine room. This provides the most secure termination point.
- ◆ A chlorine leak detector sensor may be located adjacent to the absorption column, thus providing an alarm in the event of media saturation.



CHLORINE ABSORPTION SYSTEM HYDRAVENT600

MEDIA REPLACEMENT

Absorption media should be replaced at twelve monthly intervals, or alternatively if an alarm indicates that saturation has occurred. Absorption capacity of the HYDRAVENT600 is 0.6 kg of chlorine gas.

Replacement media packs are readily available. Reorder codes appear labelled on each unit.

MEDIA NEUTRALISATION

Detailed instructions are clearly provided on the absorption column as to the correct neutralizing and disposal procedures.

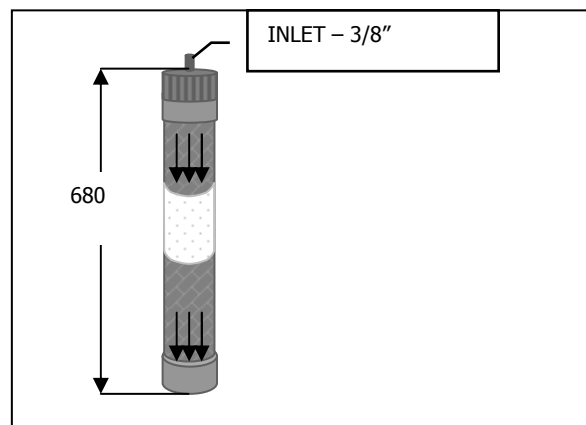
Media type and order codes are included on the absorption vessel.

REGULATIONS

There are currently no regulations in Australia prohibiting chlorine gas release from vent lines to the atmosphere. However in Europe, chlorine neutralization from vent lines is widely used to ensure that personnel are not subjected to even low level concentrations of chlorine in the working environment.

EQUIPMENT DETAIL

Order Code:	HYDRAVENT600
Diameter:	80mm
Length:	550mm
Termination:	3/8" OD Tube
Mounting Brackets:	(2) included



For Sales and Service please contact an office nearest to you:

Western Region

(08) 9412 6100

hydramet@hydramet.com.au

Central Region

(08) 8374 7800

hydrasa@hydramet.com.au

Eastern Region

(03) 9325 3900

hydravic@hydramet.com.au

www.hydramet.com.au