

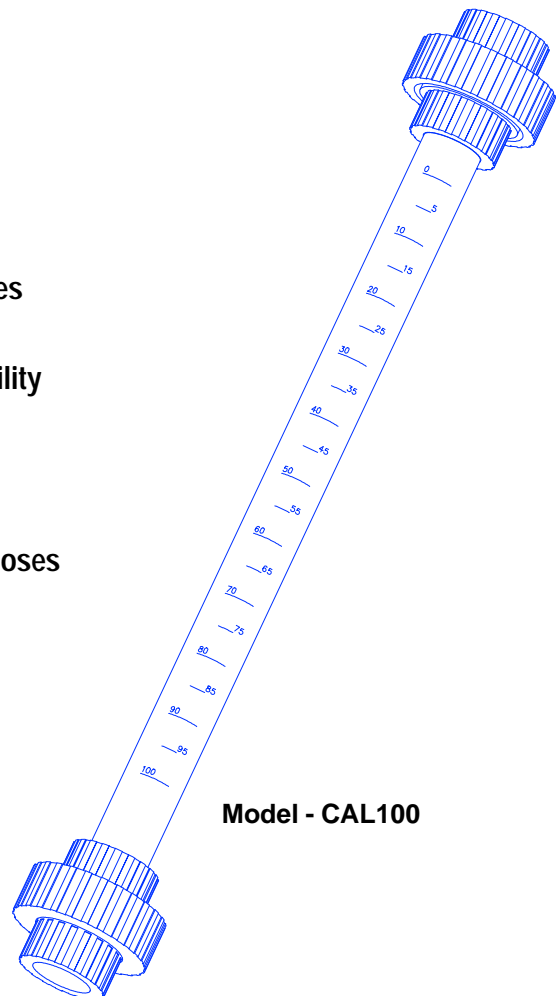
## AQUARIUS

# Calibration Columns

Calibration Columns for determining and adjusting chemical dosing pump outputs.



- √ Clear easy to read graduation markings in millilitres
- √ UV resistant and reverse print markings for durability
- √ Very easy to install
- √ Designed to be quickly removed for cleaning purposes
- √ Manufactured from Chemical Resistant materials



Model - CAL100

### ADVANCED TECHNOLOGY FOR THE NEW MILLENNIUM

# Calibration Columns

## Features and Benefits

The **Aquarius Calibration Column** has been designed as a low cost solution to determining and calibrating chemical dosing output. Easy to read graduations provide for reading up to 100 millilitres over the test period. The calibration columns are ideal for permanent installations however the ease of fitment makes them equally useful in temporary situations. Barrel Unions at the top and bottom of the column make removal for cleaning purposes very easy and convenient especially when the chemical involved can lead to staining if left uncleaned.

Other sized calibration columns can be manufactured on request or can be manufactured for use as sight glasses on the side of chemical tanks.

### Chemical Resistance

The Aquarius Calibration Column is manufactured from Clear uPVC and uPVC which has outstanding resistance to a wide range of chemical reagents at temperatures up to 50°C. It can be used on most strong acids, alkalies, aliphatic hydrocarbons, fluorides, photographic and plating solutions, brine, mineral oils, fats, and alcohols. The Aquarius Calibration Column should not be used with aldehydes, ketones, ethers, cyclic ethers, esters, aromatic and chlorinated hydrocarbons, nitro compounds, petrol/benzene mixtures, and similar solvents.

For further information regarding chemical resistance, [www.iplex.com.au/html/chemical.shtml](http://www.iplex.com.au/html/chemical.shtml) is an excellent web page which details chemical resistance against any entered chemical.

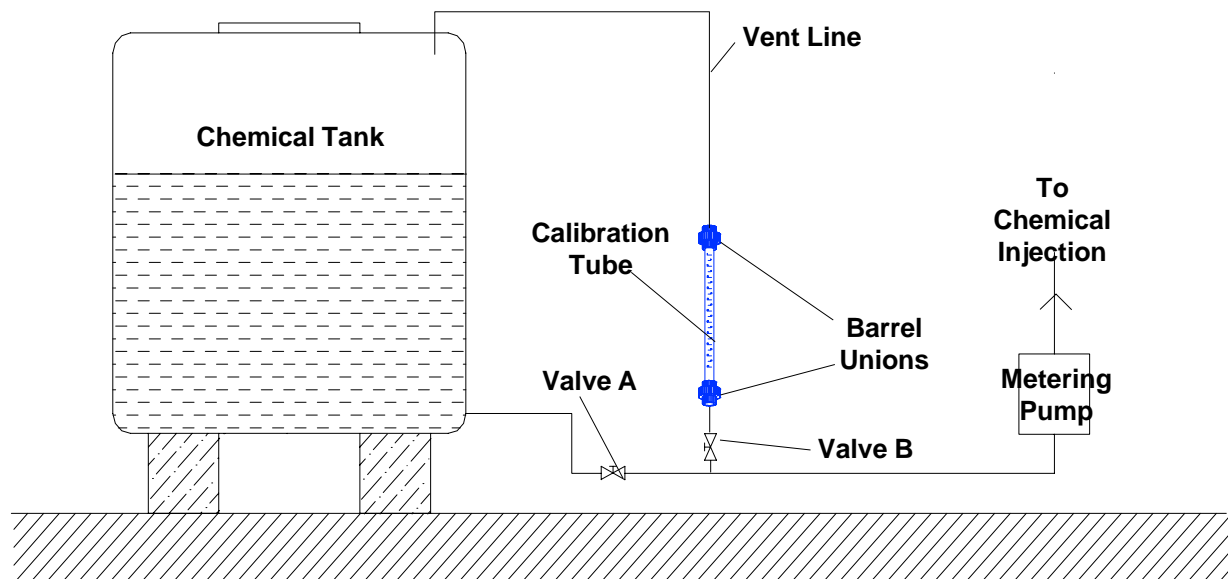
## Models Available

**CAL100** - where dosage rate is up to 10 lts/hour

**CAL1000** - where dosage rate is 10 -100 lts/hour

## Operating Instructions

1. Install Calibration Column on the suction side of the chemical dosing pump as shown on the drawing. Note that the two valves and associated tubing should be made from material which is resistant to the chemical being dosed.
2. With Valve A open, slowly open valve B until the chemical level reaches the 0 mark.
3. Close Valve A and begin timing for either a fixed time period or fixed chemical usage.
4. From the chemical dosed and the time period, calculate the dosing rate of the pump.
5. Repeat steps 2 - 4 if necessary to calibrate the pump to the required output.
6. When the testing has been completed, drain the calibration column, close Valve B and open Valve A.



# Calibration Columns

## MANUFACTURER'S PRODUCT WARRANTY

**AQUARIUS TECHNOLOGIES PTY LTD.** manufactures a range of equipment under a Quality Assurance system to ISO9001:1994 standards and warrants equipment of its manufacture to be free of defects in material or workmanship.

Liability under this policy extends for 12 months from the date of installation, or 24 months from the date of shipment from our factory, whichever ever occurs first. The manufacturer's liability is limited to repair or replacement of any failed equipment or part of, which is proven to be defective in material or workmanship upon the manufacturer's examination. This warranty does not include removal or installation costs and in no event shall the manufacturer's liability exceed its selling price of such equipment or part.

Aquarius Technologies Pty Ltd. disclaims all liability for damage to its products through improper installation, maintenance, use or attempts to operate such products beyond their functional capacity, intentionally or otherwise, or any unauthorised repair. Aquarius Technologies Pty Ltd. will not be responsible for any consequential or other damages, injuries, or expense incurred through use of its products.

This warranty is in lieu of any other warranty, either expressed or implied. Aquarius Technologies Pty Ltd. make no warranty of fitness or merchantability. No agent of ours is authorised to provide any warranty other than above.

This warranty does not exclude any condition or warranty implied by the Trade Practices Act 1974 or separate State Laws in Australia and is in addition to any other right that the original purchaser or any subsequent purchaser may have under Australian law.

Should a unit fail to function normally, please contact our Customer Service Department by phone or fax quoting, Model Number, and Serial Number, for initial discussion of the problems encountered, and if it is necessary to return the item to the factory, a Return Authorisation number will be given to facilitate return, and repair or replacement of the item.

The item for return should be carefully packaged to prevent any damage in transit, contain the Return Authorisation identification number, customer identification, and return delivery details, and the freight prepaid to our factory. If in the opinion of our factory, after examination, the failure was due to materials or workmanship, repair or replacement will be made without charge for parts, labour and return freight. A reasonable service charge will be made for diagnosis and/or repairs due to normal wear, abuse, tampering or damage in transit.

**AQUARIUS TECHNOLOGIES PTY Ltd.** reserve the right to continue development and improvement of the entire range of our equipment, and therefore minor changes may occur due to these improvements and the continuing development.

# Calibration Columns

## Aquarius Technologies Pty Ltd Commissioning & Warranty Validation Report

*This form should be completed by the Equipment OWNER ,  
promptly after installation & commissioning  
duly signed and faxed to Aquarius on (07) 3274 4736  
to enable the equipment installation date and details  
to be logged to our confidential Warranty Database  
and to validate your 12 months warranty registration.*

*Please print all details except for signatures*

**Model :- .....**                      **Serial No. ....**

**The above equipment was satisfactorily commissioned for :-**

**Equipment Owner - Company Name .....**

**Address.....**

**State .....**                      **Date of Installation .....**

**by**

**Commissioning - Company Name.....**

**Address.....**

**State .....**

**Technician Name .....**                      **Signature.....**

**Signed for and on behalf of the Equipment OWNER**

**Name.....**

**Signature.....**

**Date.....**

**Thank you for your very valuable support, purchase and installation**

**Aquarius Technologies Pty Ltd**