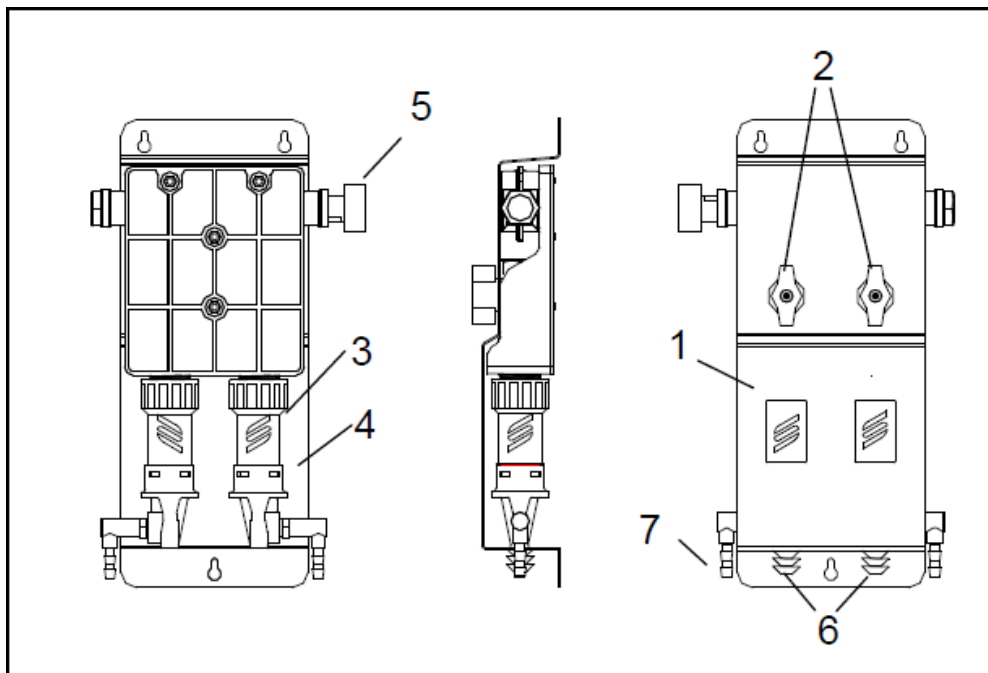


# FOR INTERNAL USE ONLY

## FILA DILUTION CONTROL SYSTEM

### PRODUCT'S DESCRIPTION



1	Satin-finish STAINLESS STEEL guard
2	Activation knob
3	F-Gap backflow preventer
4	Venturi
5	3/4" GHT ring nut
6	Connection for outlet hose 1/2" ID – 3/4" OD (12x18 mm) -FGAP
7	Connection for pick up hose 1/4" ID – 3/8" OD (6x9 mm)



## READ THE FOLLOWING WARNINGS BEFORE PROCEEDING TO INSTALL OR DO MAINTENANCE WORK ON THE DILUTION UNIT

**Optimum water supply pressure is 40 PSI (2.75 bar). Max. 100 PS (6.9 bar); Min. 20 PSI (1.4 bar)**

• **Max. temperature 140° F (60 °C)**

• Fittings have been tested for use with the most common liquid detergents mixed with water. Check that the detergent used is compatible with brass and polypropylene.

Install the unit near a connection point for the water supply and above the sink in such a way that the activation knob is accessible.

Mount the unit to facilitate cleaning and so the plumbing fittings are accessible for replacing metering tips and routine maintenance.



**WARNING: Always follow the necessary safety procedures, including the use of adequate protection for the eyes, face, hands, and clothing.**



**WARNING: When installing or carrying out maintenance on this equipment, always disconnect it from the water supply.**



**Failure to follow these safety precautions could result in damage to adjacent property or injury to people, and possibly damaging the equipment or compromising its operation.**



**ASSE 1055B APPROVED CHEMICAL DISPENSING SYSTEM**



**TO PREVENT SIPHONING AND TO COMPLY WITH ASME A112.1.2, INSTALL THE FILA DILUTION CONTROL SYSTEM WITH THE END OF THE OUTLET TUBE A MINIMUM 4" ABOVE THE FLOOD LEVEL OF THE SINK OR OTHER FIXED CONTAINER.**

## INSTALLATION PROCEDURE

1.1 Position the **FILA DILUTION CONTROL SYSTEM** on a vertical wall and check that it is easy to operate and that it is close to a connection

point for the water supply.

1.2 Mark the position of the slots on the wall as a guide for drilling.

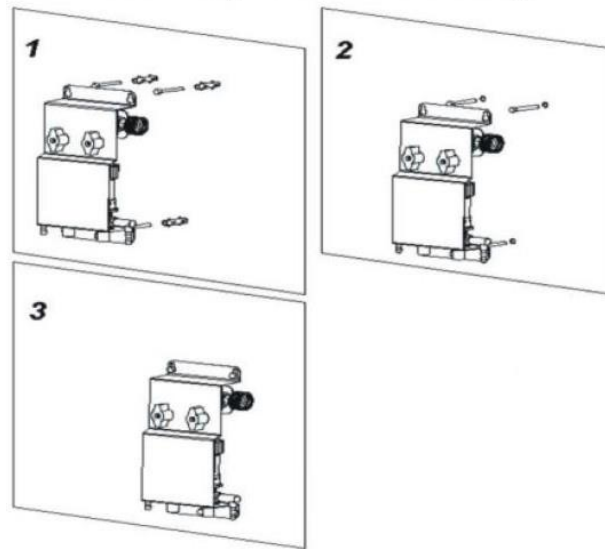
1.3 Remove the guard from the wall and check that the drilling marks can be clearly seen.

1.4 Drill two 1/4" (6 mm) diameter holes at the points marked on the wall.

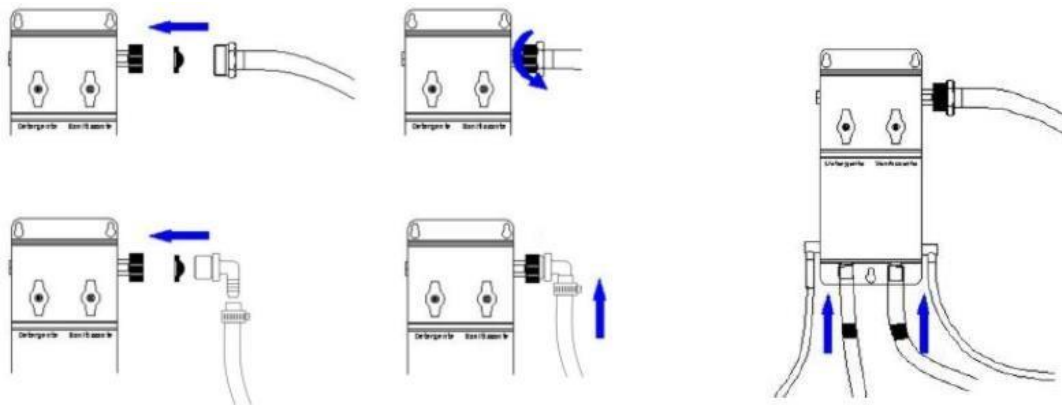
1.5 Put the anchors supplied into these holes and screw in the screws without completely tightening

1.6 Mount the unit and secure tightly.

## Picture Layout of wall mounting



## PLUMBING CONNECTIONS



**Note: The water supply connection is a standard 3/4" female swivel (GHT)**



**TO PREVENT SIPHONING AND TO COMPLY WITH ASME A112.1.2, INSTALL THE FILA DILUTION CONTROL SYSTEM WITH THE END OF THE OUTLET TUBE A MINIMUM 4" ABOVE THE FLOOD LEVEL OF THE SINK OR OTHER FIXED CONTAINER.**

- 1.1 Insert the screened washer with the filter as illustrated above.
- 1.2 Connect the water supply hose to the female swivel on the top right of the **FILA DILUTION CONTROL SYSTEM**
- 1.3 Turn the swivel until the washer is securely seated onto the male threads of the supply hose.
- 1.4 Insert the calibration nozzle chosen into the barb fitting and then secure the elbow connection.
- 1.5 Install the outlet hose (1/2" ID – 3/4" OD – 12x18mm) and pick up hose (1/4" ID – 3/8" OD – 6x9mm).
- 1.6 Position the delivery hose above the sink.
- 1.7 Install the weight onto the end of the pick up tube, install the foot filter and slide the weight until flush with the foot filter.
- 1.8 Place the pick up tube into the product container





**Warning: The difference in height between the bottom of the product container and the FILA DILUTION CONTROL SYSTEM nozzle connector must not exceed 6.6 ft (2 m)**



**Warning: The product must be below the FILA DILUTION CONTROL SYSTEM to prevent siphoning.**



**Warning: The end of the delivery hose must be above the level of the product to be mixed to prevent siphoning.**



**Warning: The outlet tubes must be installed with flow restrictor rings**

## TECHNICAL FEATURES

The **FILA DILUTION CONTROL SYSTEM** provides the following flow rates (the values shown in table 1 only apply when mixing one product at a time):

4 GPM	Dynamic pressure upstream		
	11.6 PSI (0.8 bar)	29 PSI (2 bar)	40.61 PSI (2.8 bar)
Flow Rate in GPM	2.6	3.6	4.8
Flow Rate in l/min	9.8	13.6	18.2

Table 1



**WARNING: OPENING BOTH DOSING TAPS AT THE SAME TIME LEADS TO A SLIGHT REDUCTION IN THE FLOW RATE AND RESULTS IN CHANGES IN DILUTION RATE.**

