

J1000 and J2000

Installation & Operating Guide



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Safety



Always wear the required Personal Protective Equipment (including gloves and goggles that must be worn when potentially exposed to any hazardous materials and when carrying out hazardous work tasks). Turn the dispenser off during cleaning and note that parts may be contaminated with product. If possible, flush tubing out with water prior to carrying out any maintenance. For information on products that are used in this dispenser, please carefully read the product label and Material Safety Data Sheet (MSDS).



After each use ensure that the main water valve is always in the “off” position

Installation Standards

Ensure that the unit is always installed in accordance with the Diversey “General Standards of Installation” guide (Ref. DE1537) and meets local regulatory requirements.

Any specific installation recommendations relating to this unit are explained in this Installation and Setup Guide.

Specifications

Operating Parameters

Working Pressure		Temperature	Dilution for water thin chemical at 2.5 bar (36 psi)		Flow Rate at 2.5 bar (36 psi)	
Min	Max	Max	Min	Max	Rinse	Spray
2 bar (29 PSI)	6 bar (87 PSI)	50°C (132°F)	0.55%	11%	12.25 l/min	9 l/min

Weight

Weight – 10 Kg (4.5 lbs)

Specifications (continued)

Dimensions J1000

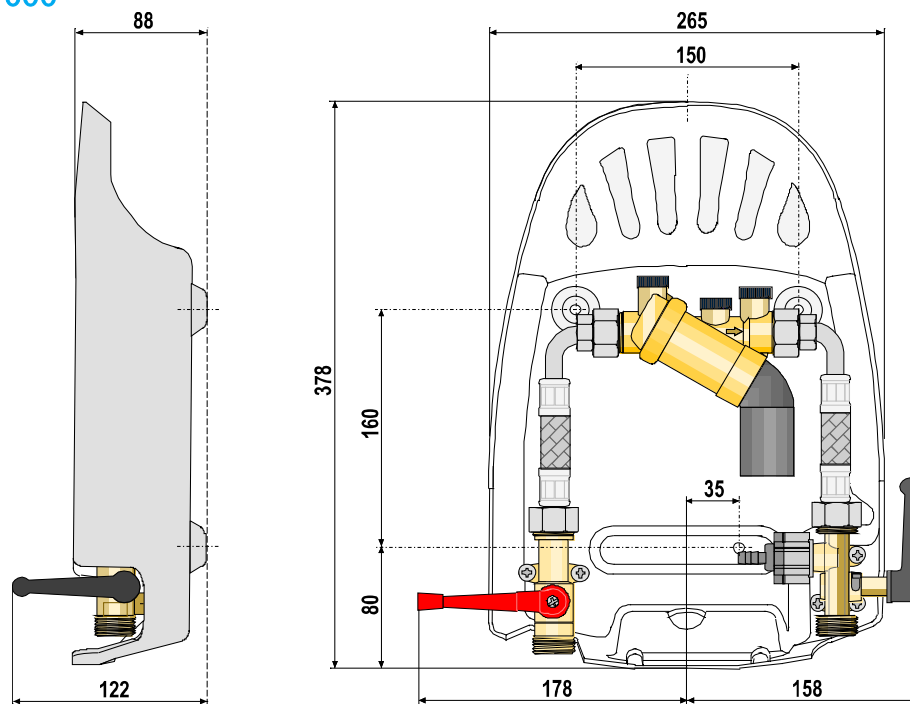


Fig. 1. Dimensions – J1000

Dimensions J2000

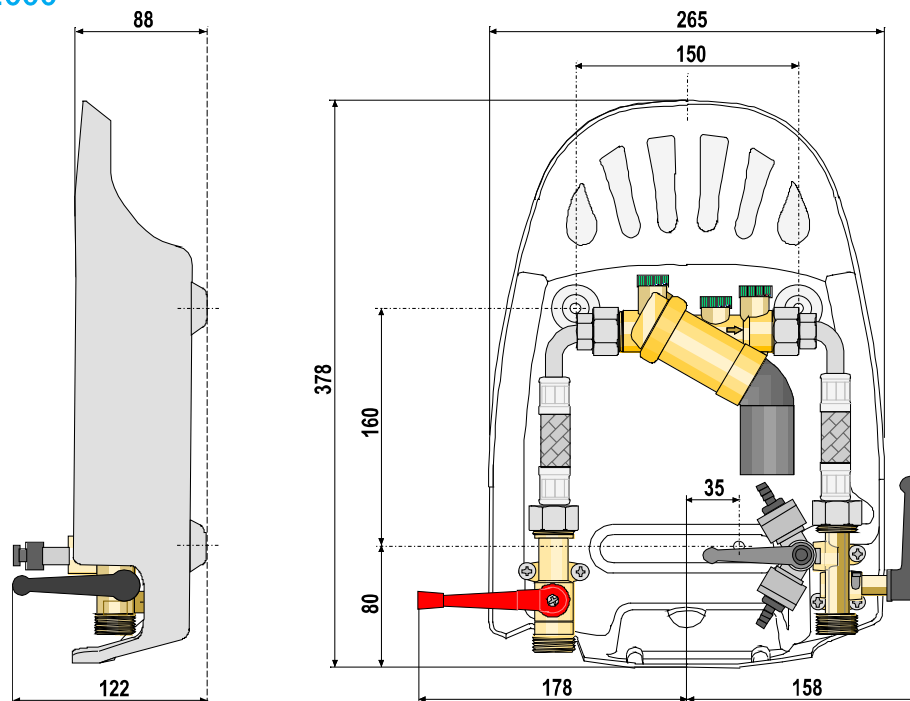


Fig. 2. Dimensions – J2000

Installation and Setup

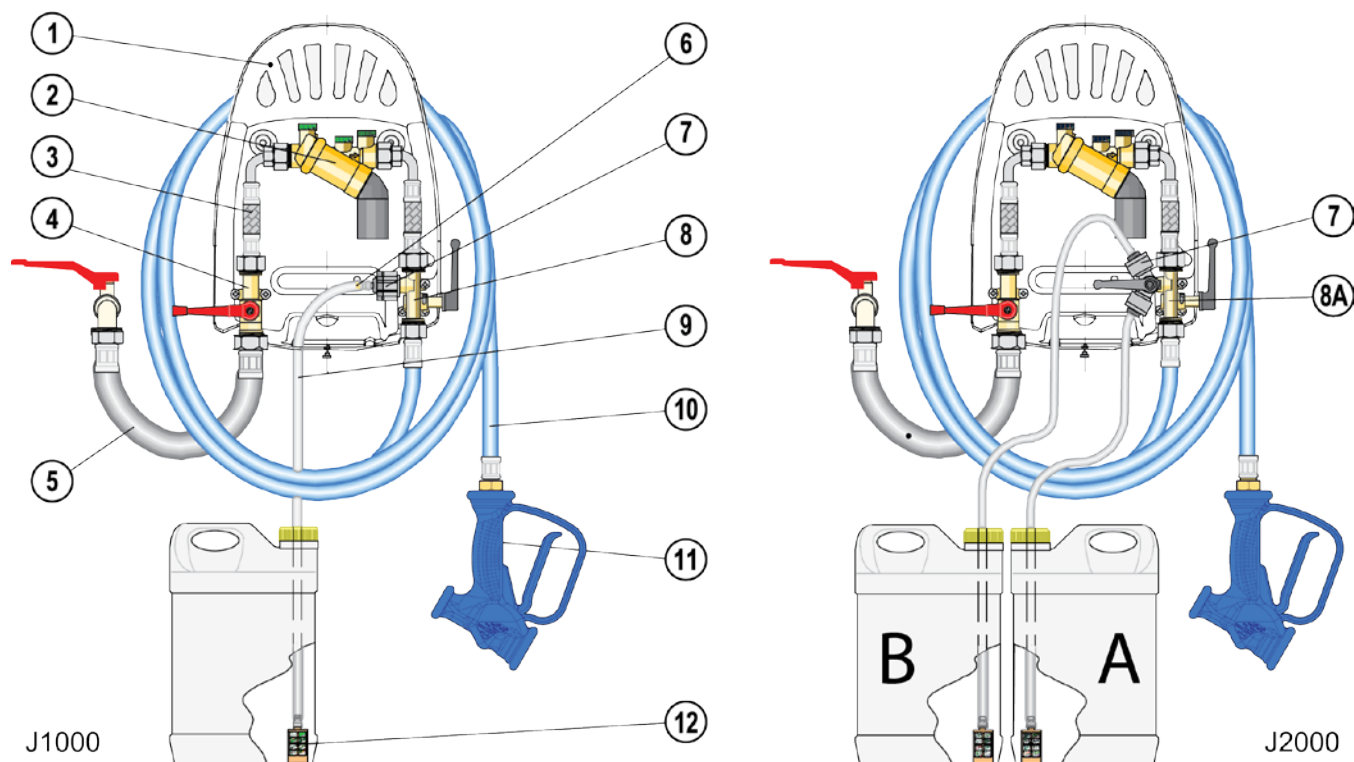


Fig. 3. J1000/J2000 Overview

- | | |
|---|---|
| 1. J1000/J2000 back plate | 9. Eductor 1 product |
| 2. Honeywell back flow preventer – 2 adaptors | 10. Eductor 2 products |
| 3. F3/4" – M1/2" – Integrated filter | 11. Suction line – Length 2m |
| 4. S/Steel braided hose F3/4" – F1/2" | 12. Blue hose with F3/4" Quick coupler – Length 20m |
| 5. Ball valve Full bore | 13. Blue gun with quick connector |
| 6. S/Steel braided hose F3/4" – F1/2" length 1,5m | 14. Foot Valve |
| 7. Metering tip | 15. Water Filter (see Fig 4. below) |
| 8. Check valve | |

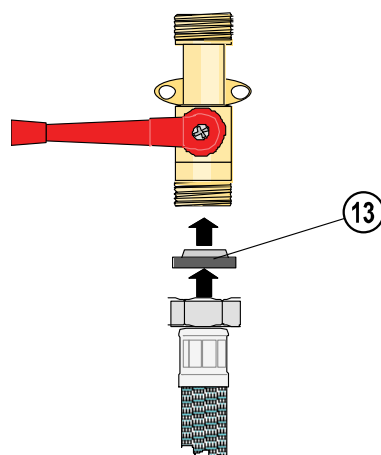


Fig. 4. Filter Orientation



Check the orientation of the filter. Filter is located between the Ball valve Full bore and the S/Steel braided hose F3/4" – F1/2" length 1,5m. (No.s 4 and 5 in Fig. 3)

Installation and Setup (continued)

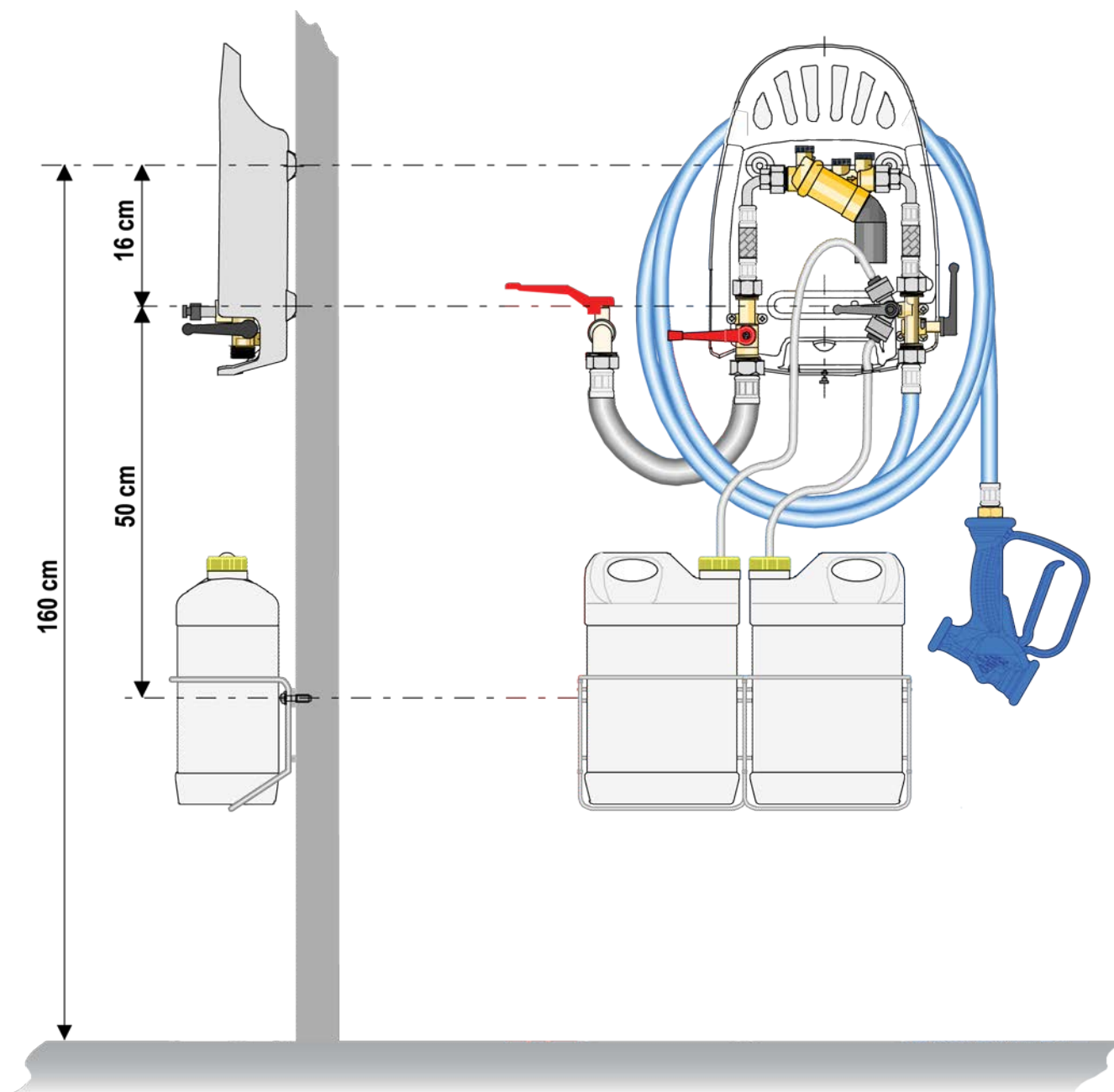


Fig. 5. Positioning of Unit (J2000 shown, J1000 similar)

1. Slacken the plastic knob at the base of the cabinet and lift off cover. Use the backplate to mark the fixing holes on the wall
2. Using a 7mm bit, drill three corresponding holes in the wall
3. Push in the 3 wall plugs
4. Tighten the screws into the wall plugs
5. Put the filter washer into the $\frac{3}{4}$ " fitting on the end of the stainless steel braided hose



The filter washer must be fitted to protect the backflow preventer and venturi

Installation and Setup (continued)

6. Tighten the $\frac{3}{4}$ " fitting of the Stainless Steel Braided hose to the isolating valve
7. Attach the other end of the braided hose to the water supply using the fibre washer
8. Place the fibre washer in the $\frac{3}{4}$ " fitting on the blue rubber hose
9. Tighten the $\frac{3}{4}$ " fitting of the blue rubber hose on to the venture
10. Coil the majority of the rubber hose neatly on to the integral hanger
11. Attach the spray gun to the end of the rubber hose
12. Select the correct restrictor tip for the required concentration/product from the table and push it in to the venturi inlet valve
13. Push the suction tube on to the venturi inlet valve hosetail
14. Mount the product container on a wall for HACCP compliance
15. Drill a 9.5mm hole in the cap from the container, push the tube through the hole and place the suction tube with its foot filter in to the product container (for SafePack connect the tube directly to the hosetail on the SafePack connector)
16. Open the isolating valve and check for leaks
17. Turn the wash/rinse selector on the venturi to the wash position
18. Select Product (A) on the selector valve (where fitted)
19. Point the spray gun safely to the floor/drain and pull on the trigger
20. Check that product (A) rises up the suction tube and arrives at the spray gun to give effective washing
21. Release the spray gun trigger to stop the flow and select Product (B) on the selector valve (where fitted)
22. Check that product (B) (where fitted) rises up the suction tube and arrives at the spray gun to give effective washing
23. Release the spray gun trigger to stop the flow and turn the wash/rinse selector on the venturi to the rinse position
24. Pull on the spray gun trigger and confirm that only water is sprayed (allowing time for the rubber hose to flush through)
25. Close the isolating valve
26. Release the pressure in the system by pulling on the trigger for a second or two
27. Coil up the remainder of the rubber hose on the hanger
28. The unit is now ready to use



Product B is referred to for the J2000 unit only

Dilution Selection

Select the restrictor tip that offers the desired dilution, using the following chart for reference.

Actual ratios and flow rates may vary depending on water pressure, chemical viscosity, the length of the pickup line, the height of the unit from the floor and the level of product in the drum.

After selecting the peg setting, calibrate the dilution ratio to be sure it meets your requirements.

Tip Colour with Green Venturi Insert	Percentage Dilution %
Pink	0.34%
Purple	0.65%
Turquoise	0.73%
Yellow	1.9%
Dark Brown	2.2%
Orange	2.8%
Green	3%
Clear Brown	5.6%
Blue	6.3%
White	7.8%
Red	11.2%
Beige	14.3%
Black	15.5%
Grey	16%
No Tip	16%

Calibrate the dilution ratio as follows:

1. Fill a measuring/graduated cylinder with chemical.
2. Note the amount of chemical that is in the cylinder.
3. Place the foot filter fully in the chemical
4. Turn on the unit, filling a measuring cylinder
5. Carefully withdraw the foot valve from the chemical and note the amount remaining. Subtract it from the initial amount to calculate the amount used = A
6. Subtract the amount of chemical used from the amount of solution collected in the measuring cylinder to calculate the amount of water passed = B
7. The dilution expressed as a percentage is $100 \times A/B$. If necessary, repeat with different tip setting for required dilution.