Z.D.S.
4 + 1 SS Dispenser

EQUIPMENT & SERVICE DIVISION
Z.D.S. 4 + 1 SS Dispenser
M32901
The Z.D.S. 4+1 SS Dispenser automatically mixes water with a concentrated product dispensing properly diluted RTU (Ready To Use) products every time.

Delivers exact dilutions in a wide range of water pressures and product viscosities.

Each unit comes equipped with a “FLEX GAP” backflow preventer – will not allow chemicals to be forced back into water pipes.

Dilution accuracy maintained by use of “metering tips” – each unit comes with 2 full sets of metering tips included in packaging.

All necessary tubing is included with each unit.
Can dilute a water thin concentrate from 3:1 to 512:1 (42.6 ounces per gallon to .5 ounce per gallon) depending on the metering tip and viscosity of concentrated product.

Contact Tech Services for specific dilutions and metering tip recommendations for any products that are NOT WATER THIN.

Up to 16 different dilutions possible for each product (Metering Tips).

Can be mounted individually or linked together - no tools needed for linking units together.
Everything needed for operation is included with each unit

- 5 Product Pick-up Hoses
- Thumb Operated Bulk Fill Dispensing Nozzle
- Product Type Stickers
- Z.D.S. 4+1 Unit
- Fountain Lever for dispensing
- Anti-Foam Dispensing Tube
- 5 Ceramic Hose Weights
- 5 Foot Valves
- 2 Sets of Metering Tips
- Hardware to convert Water Intake from either side of unit
- Water Regulator
Mounting and Set-Up Instructions
1) Loosen Cover Lock Screws
2) Remove Cover from Unit
Installation Instructions

Please view the INSTALLATION VIDEO located on the main page of the Zep Equipment web site [www.zepequipment.com](http://www.zepequipment.com) to learn how to properly mount your Z.D.S. 4+1 SS Dispenser to the surface you are working with.
3) Select placement for mounting Z.D.S. 4+1 and secure Unit to the surface using ALL the Mounting Screw Holes

Holes for Mounting Screws
4) Select Metering Tip and screw it into Hose Barb*

5) Push Chemical Pick-Up Hose over Metering Tip and onto Hose Barb Securely*

6) Repeat steps 4 & 5 on the both sides of Unit

*Each Hose Barb requires its own Metering Tip and Pick-Up Hose
7) Replace Cover on Unit and Tighten all 4 Cover Lock Screws
8) Slip Ceramic Weight onto the end of the Chemical Pick-Up Hose which goes into the bottle of chemical*

9) Push Foot Valve into the end of the Chemical Pick-Up Hose which goes into the bottle of chemical**

*Ceramic Weight keeps the Chemical Pick-Up Hose on the bottom of the bottle assuring all product is used

**Foot Valve filters any particles that may have gotten into chemical and is a one way valve keeping the Chemical Pick-Up Hoses full
10) Place Product Type Stickers onto Units
14) When Unit is completely installed, attach Water Regulator to Water Intake

Water Regulator maintains correct water pressure and flow to unit for optimum functionality.
15) Attach water hose (source of water) to Water Regulator

16) Activate the Thumb Control on Bulk Fill Nozzle and Fountain Fill Lever on Bottle Fill side, and watch chemical rise into Unit to “Prime” the Chemical Pick-Up Tubes before dispensing into bottle or container*

*This step only needs to be done once but must be performed on EACH Chemical Pick-Up Tube
17) ALWAYS TURN WATER SHUT OFF TO THE **OFF** POSITION WHEN NOT USING UNIT.

Knob IN line indicates water is **ON**

Knob NOT in line indicates water is **OFF**
Installation Instructions

Proper selection of placement for the unit

- Mount unit below eye level to avoid dispensed product possibly getting into eyes
- Mount as close to the water source as possible
- Make sure Z.D.S. 4+1 Unit has enough clearance below it to accommodate container to be filled
- The concentrated chemical bottles should be no more than 10 feet from the dispensing Unit
- Never place Unit next to electric outlet
Installation Instructions

Always use ALL the Mounting Holes

Always use the correct mounting hardware

View Installation Video to see what hardware is needed for the surface you are mounting the Unit to
PRODUCTS

All concentrated chemicals can be used with the Z.D.S. 4+1 Units with the EXCEPTIONS of:

Emulsifiable petroleum solvents
d-limonene products
Z.D.S. Complete 4 Product Locking Wire Rack System

H03601
Z.D.S.
Complete 4 Product Locking Wire Rack System

Z.D.S. 4+1 SS Dispenser

Z.D.S. Unit mounting Rack

Z.D.S. 4 product wire rack*

Locking wire rack system

** 2.5 gallon Z.D.S. bottles fit in the Z.D.S. 4 product wire rack

*All one gallon bottles will fit in The Z.D.S. 4 Product wire rack
Installation Instructions

Please view the INSTALLATION VIDEO located on the main page of the Zep Equipment web site www.zepequipment.com to learn how to properly mount your Z.D.S. Complete 4 Product Locking Wire Rack System to the surface you are working with.
1) Select placement for mounting Z.D.S. 4 Product Locking Wire Rack System

2) Secure Unit to the surface using ALL the Mounting Screw Holes*

*Wire Rack holds 4 to 5 gallons of concentrated product. The weight can exceed 50 pounds. Make sure to attach securely to surface using HEAVY DUTY FASTENERS!
Top rack is used to mount ZDS 4+1 Dispenser to the Wire Rack.

The Dispenser can also be mounted on the wall.
Installation Instructions

Proper selection of placement for the unit

- Mount Dispensing unit below eye level to avoid dispensed product possibly getting into eyes
- ALWAYS mount Wire Rack BELOW the level of the dispenser
- Mount as close to the water source as possible
- If mounting Dispensing Unit on wall above the Wire Rack make sure Z.D.S. 4+1 Unit has enough clearance below it to accommodate container to be filled
- The concentrated chemical bottles should be no more than 10 feet from the dispensing Unit
- Never place Unit next to electric outlet
Installation Instructions

Always use ALL the Mounting Holes

Always use the correct mounting hardware

View Installation Video to see what hardware is needed for the surface you are mounting the Unit to

Follow the instructions in the beginning of this presentation to set-up the Dispensing Unit