

# Z.D.S.

4 + 1 SS Dispenser



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# Z.D.S.

## 4+1 SS Dispenser

**Z.D.S. 4 + 1  
SS Dispenser  
M32901**





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## 4+1 SS Dispenser

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



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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)

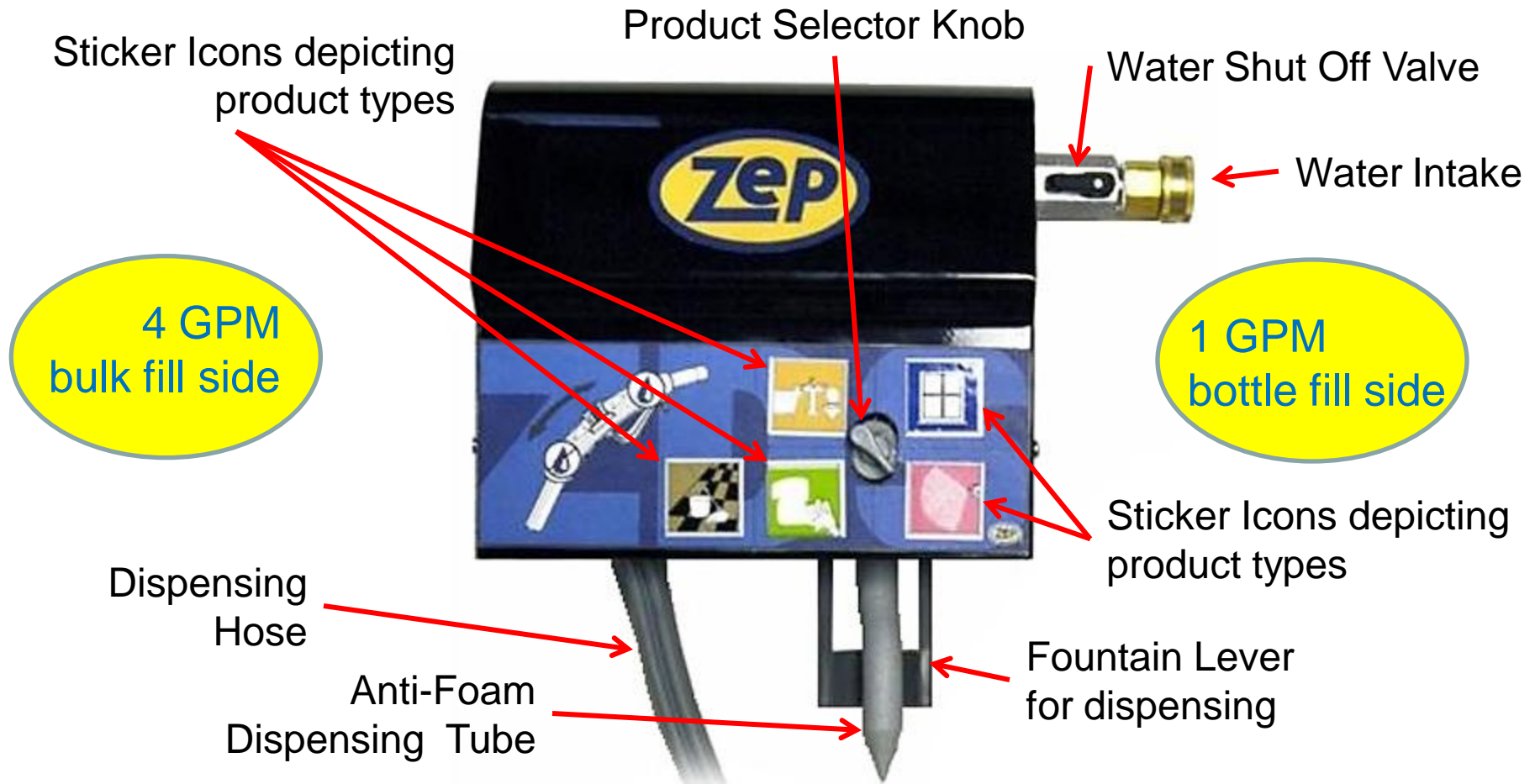
Can be mounted individually or linked together - no tools needed for linking units together



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## 4+1 SS Dispenser



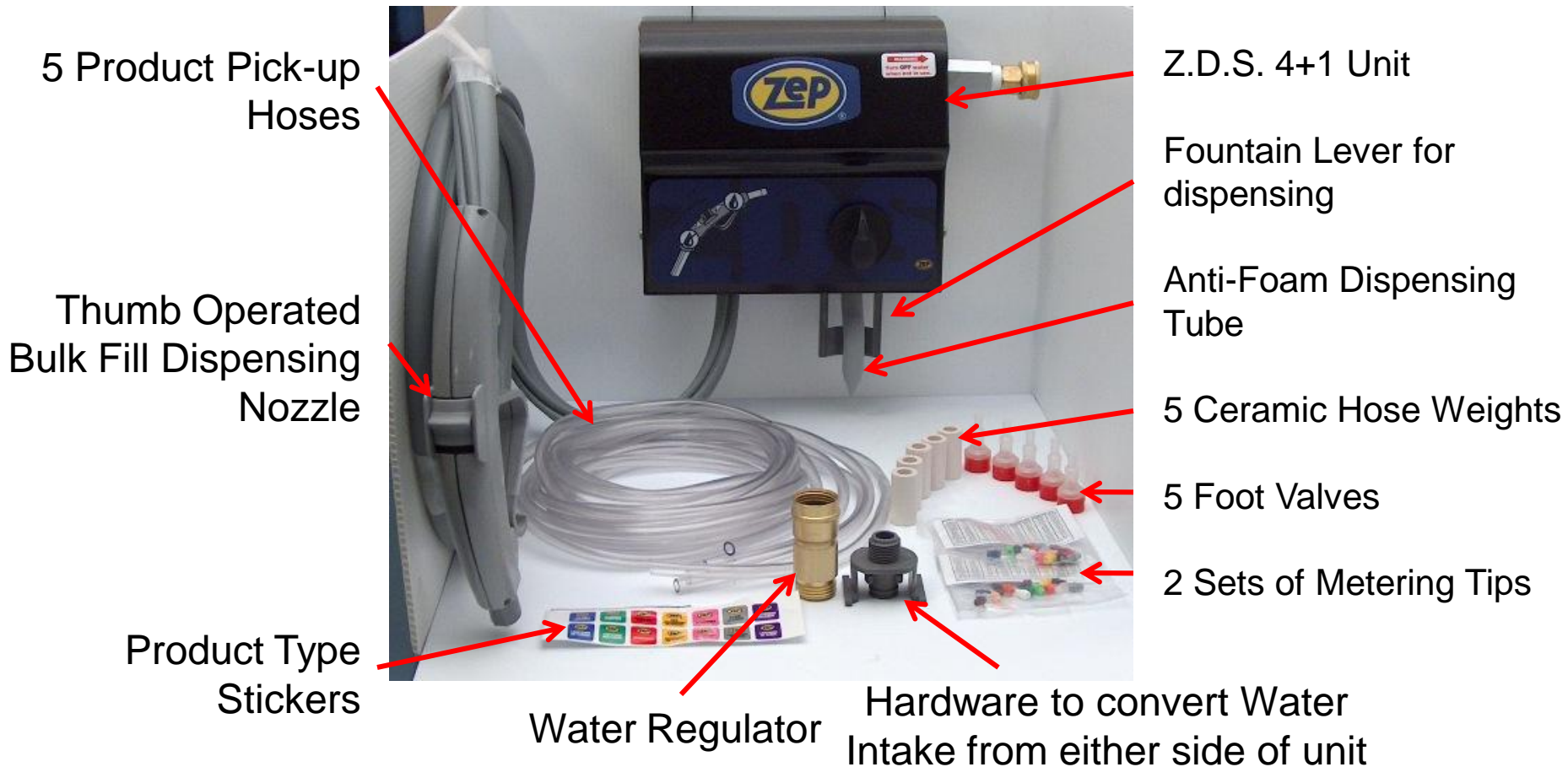


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Everything needed for operation is included with each unit





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# Mounting and Set-Up Instructions



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## 4+1 SS Dispenser

1) Loosen Cover Lock Screws



Side view



Side view

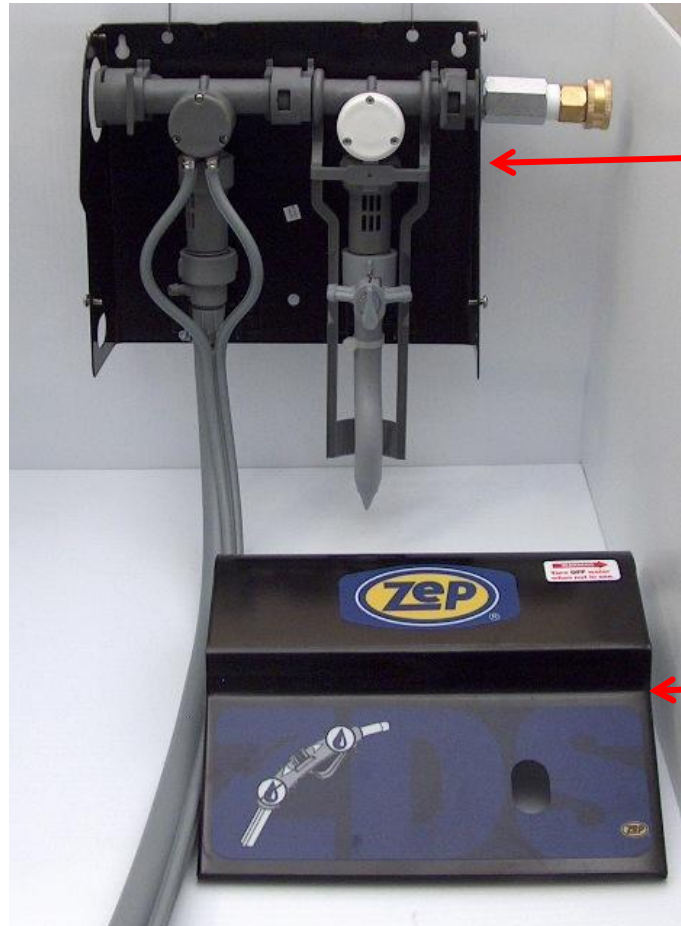




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## 4+1 SS Dispenser



Unit

2) Remove Cover  
from Unit

Cover



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## 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)

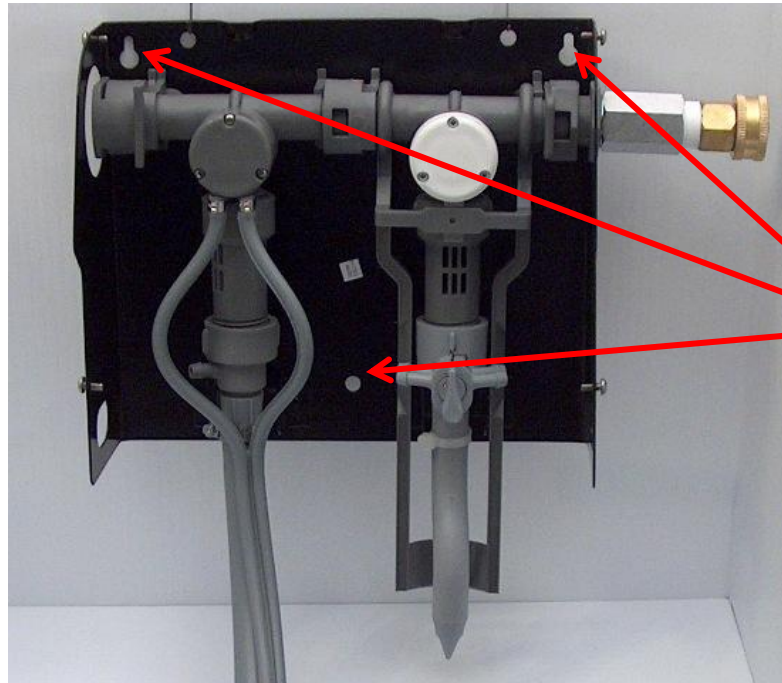
to learn how to properly mount your  
Z.D.S. 4+1 SS Dispenser to the surface you are working with



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# Z.D.S. 4+1 SS Dispenser

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



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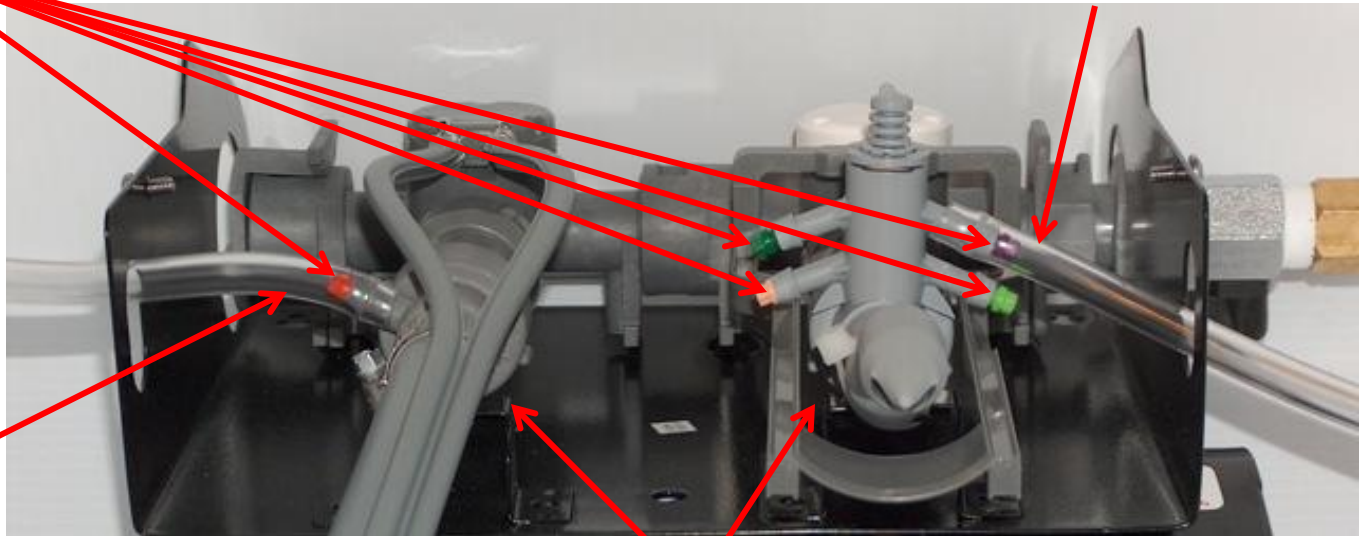
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4) Select Metering Tip and screw it into Hose Barb\*

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

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



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7) Replace Cover on Unit and  
Tighten all 4 Cover Lock Screws



Side view



Side view

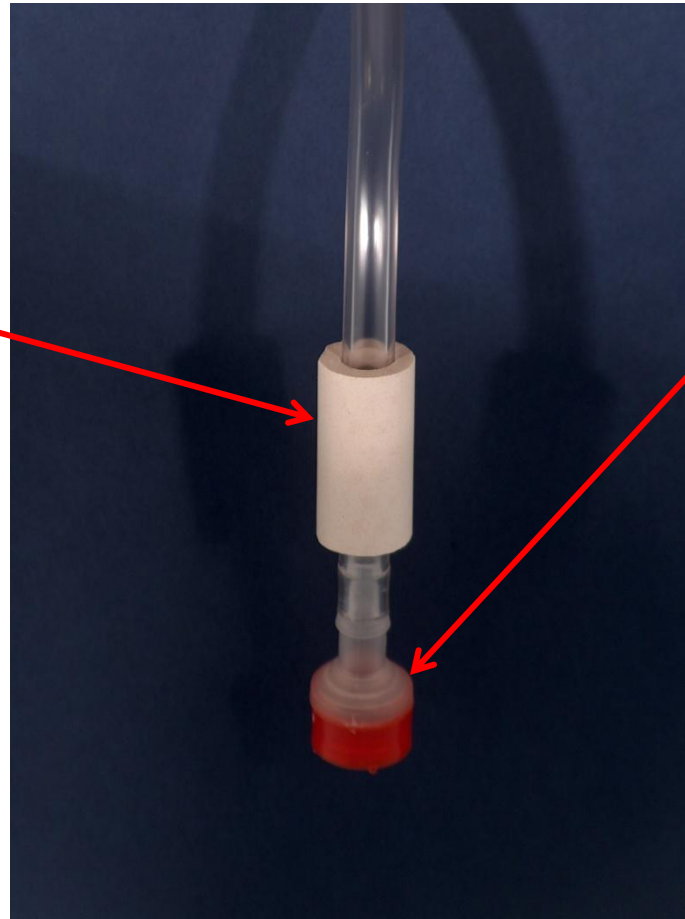


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8) Slip Ceramic Weight onto the end of the Chemical Pick-Up Hose which goes into the bottle of chemical\*



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



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10) Place Product Type Stickers onto Units



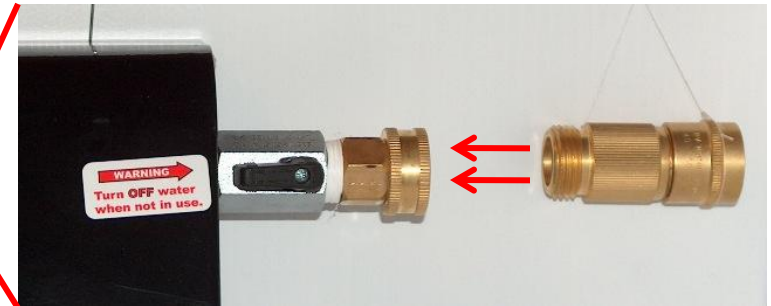


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14) When Unit is completely installed, attach Water Regulator to Water Intake



Water Regulator maintains correct water pressure and flow to unit for optimum functionality





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- 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



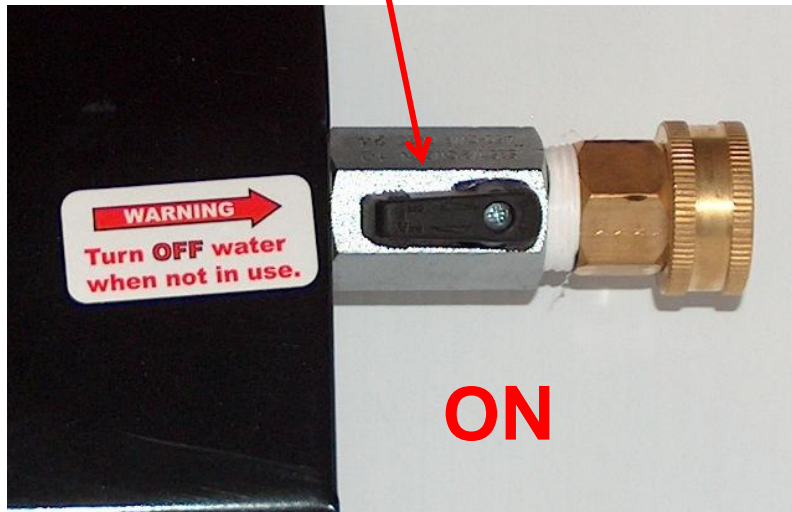
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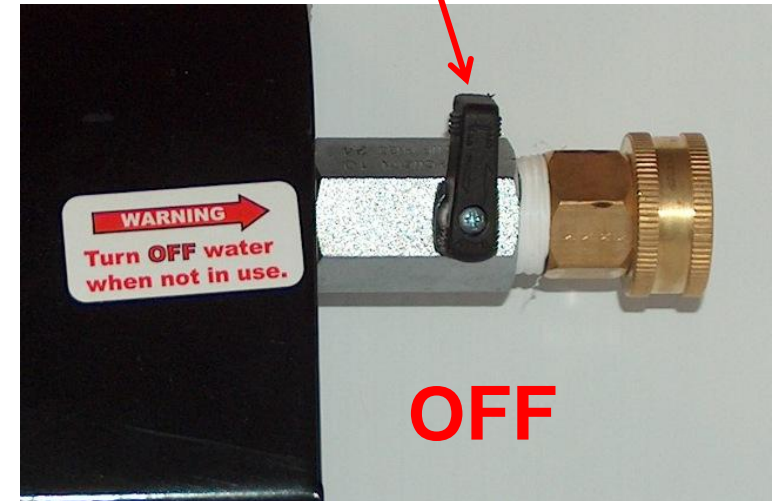
## 4+1 SS Dispenser

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**










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## 4+1 SS Dispenser

### 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



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## 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



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# 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



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Complete 4 Product Locking  
Wire Rack System

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





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## 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



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# Complete 4 Product Locking Wire Rack System

## 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. Complete 4 Product Locking Wire Rack System to the  
surface you are working with



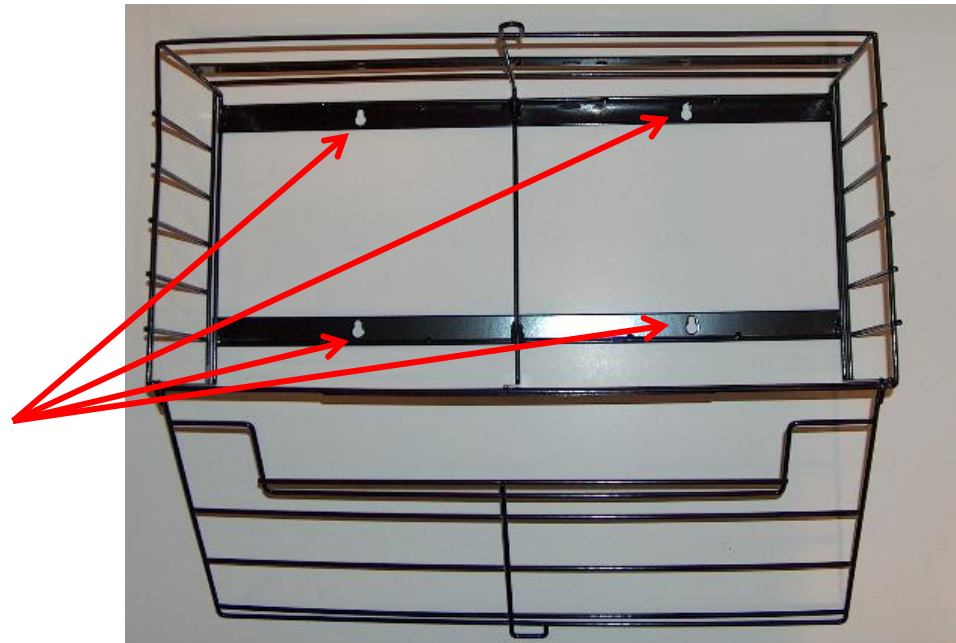


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## Complete 4 Product Locking Wire Rack System

- 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\*



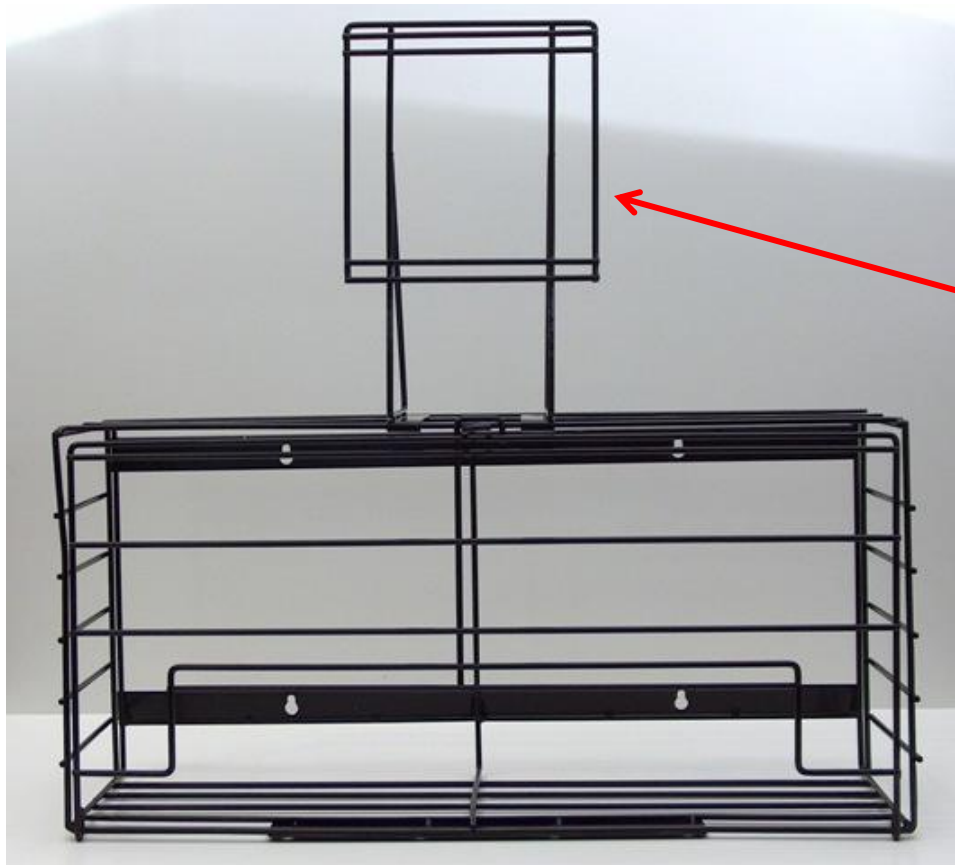
**\*Wire Rack holds 4 to 5 gallons of concentrated product. The weight can exceed 50 pounds. Make sure to attach securely to surface using HEAVY DUTY FASTENERS!**



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## Complete 4 Product Locking Wire Rack System



Top rack is used to mount  
ZDS 4+1 Dispenser to the  
Wire Rack.

The Dispenser can also  
be mounted on the wall.



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# Complete 4 Product Locking Wire Rack System

## 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



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# Complete 4 Product Locking Wire Rack System

## 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