



# V-MAX VR-202 REGULATOR KIT

Note: Regulator Kit VR-202 comes with 3/4" drop hose and 1/2" male NPT ceiling inlet connection and will supply VAL-CO floor watering system maximum 400 feet. Recommended for incoming pressure of 25-100 PSI. Also available – low pressure intake regulator (VR-202L) incoming pressure 3-10 PSI.

Triple the life of your V-Max regulator diaphragm by adjusting your regulator back to about 2-4 inches of water level immediately after birds are taken out of the house. This is very practical because the regulator must be readjusted to the 1-2 inch water level anyway when chicks are brought into the house for start-up.

## ASSEMBLY INSTRUCTIONS

1. If installing rigid standpipe, place blue ball (VRP03) in standpipe and push cap and seal (VSC751/VSC752) on.
2. If installing flex standpipe, place blue ball (VRP03F) in standpipe and push cap and seal (VSC251/VSC252) on.
3. Screw standpipe assembly into the OUTLET side of the regulator (if installing slope regulator [VR204], screw the intake standpipe [the one that isn't flat on the bottom] into the INLET side).
4. Screw the intake (RFV160) into the inlet opening with the little green wafer inside.
5. Screw VRP66 hose barb 1/2" NPT pipe fitting in the ceiling (do not overtighten). **NOTE:** Wrap with 3-4 turns of teflon tape first.
6. Push hose onto hose barb in the ceiling. **NOTE:** Don't forget to add the hose clamp (PMHC3/4) first.
7. Screw VRP67S hose barb onto REG side of RFV Intake. **NOTE:** Wrap thread of RFV Intake with 3-4 turns of teflon tape first.
8. Push hose onto barb on RFV Intake. (Don't forget to add PMHC3/4 clamp first.) Tie hose to support with two PMTT6 ties.
9. Make sure pipe ends are beveled before twisting and pushing pipe into regulator OUTLET.
10. Job is complete except for putting both pieces of nipple pipe into regulator outlets.

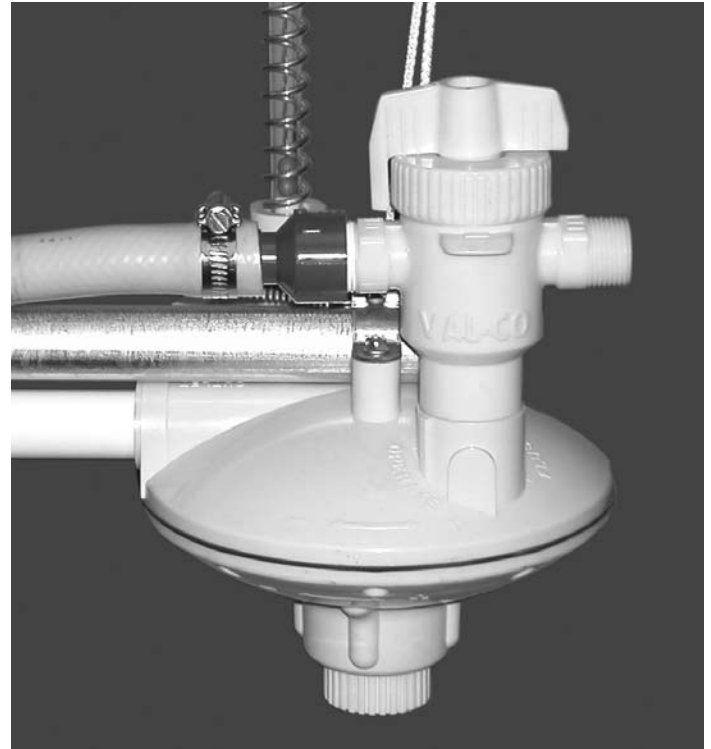
**Important: Make sure pipe ends are beveled**, then twist and push both pieces of pipe into O-ring sealed regulator outlets.

## JOB WELL DONE

**NOTE:** Screw in regulator caps (VRP38) should be used when standpipes are removed from the regulators.

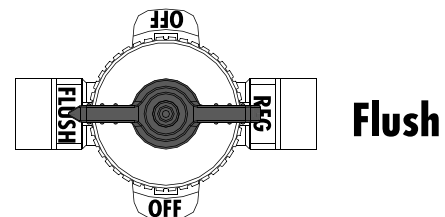
## OPERATING INSTRUCTIONS

1. Water can be shut off and on by turning the knob on top of the intake.
2. Water pressure can be adjusted to desired level by adjustment knob (VRP24). Clockwise increases pressure, counterclockwise decreases pressure as indicated by the + and - signs of the top and bottom housing. The VR202 regulator operates between 0-30 inches of water column height. **NOTE:** 28" equals 1 PSI.
3. When starting up with empty nipple lines, close regulator standpipe valve (VRP43/44) to avoid air being drawn into standpipe while lines are being charged. This is a great help to avoid any air lock in nipple system.

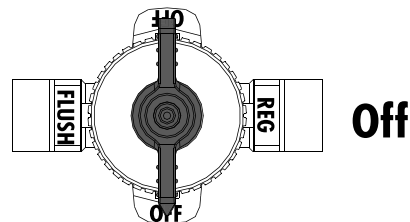


## FLUSHING PROCEDURE

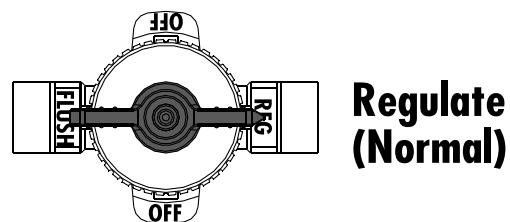
It's as simple as turning the knob to the "FLUSH" position. When finished, just turn it back to "REG" to regulate.



**Flush**



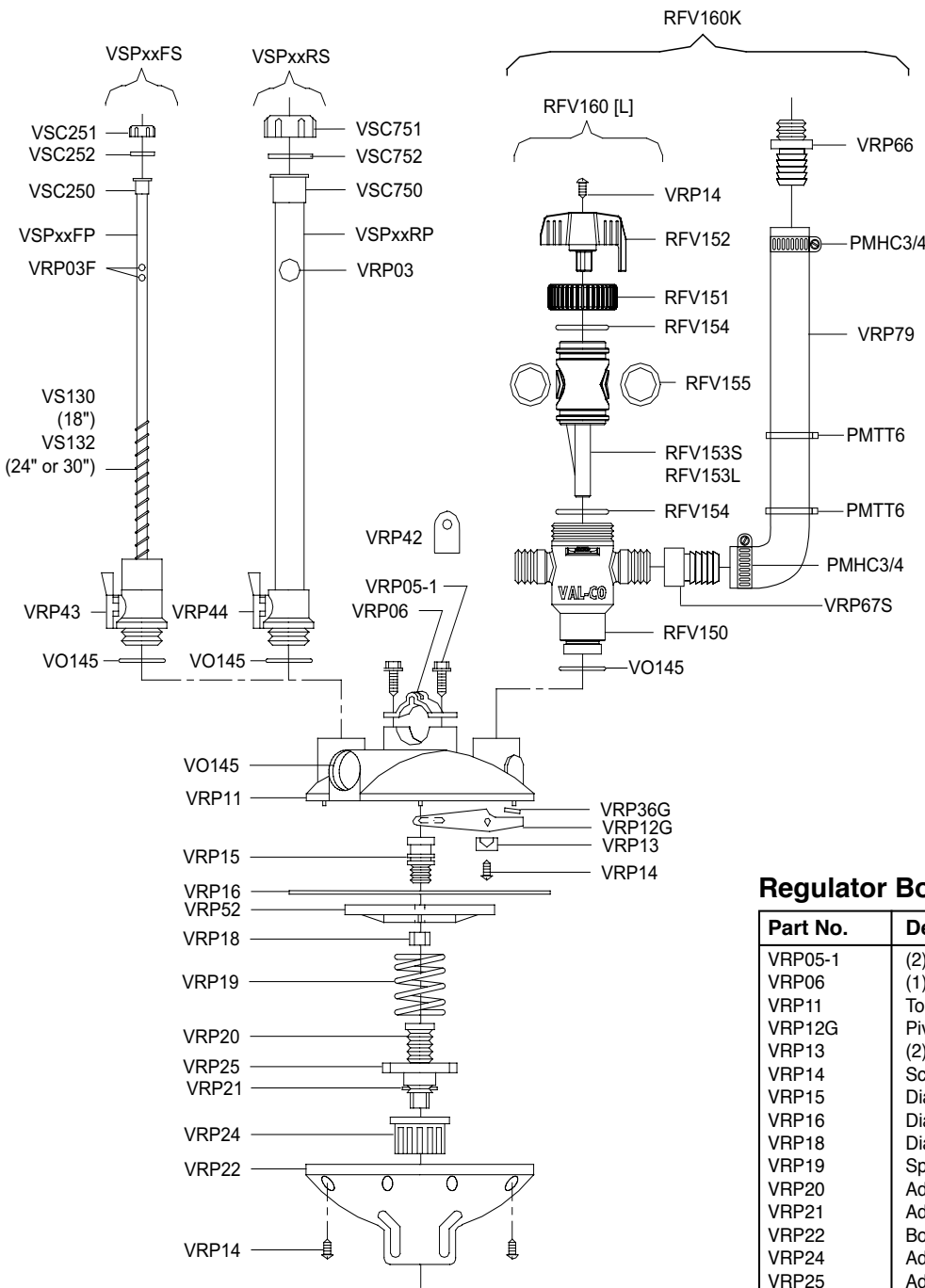
**Off**



**Regulate  
(Normal)**

**Do not leave regulator in flush position for more than an hour and remember to return the standpipe pressure to about 3" after growout to reduce wear on the diaphragm.**

# V-MAX VR-202 Regulator Kit



Part No.	Description
<b>RFV160K</b>	<b>Regulator Flushing Intake Kit</b>
RFV160	Regulator Flushing Intake Only
RFV150	Flushing Intake Housing
RFV151	Flushing Intake Cap
RFV152	Flushing Intake Handle
RFV153S	Flushing Intake Shaft High Pressure
RFV153L	Flushing Intake Shaft Low Pressure
RFV154	(2) Large O-Ring for RFV153
RFV155	(2) Small O-Ring for RFV153
VRP14	Screws [(2) Pivot Bracket & (9) Bottom Housing & (1) Intake]
VRP79	(10) 3/4" ID Yellow Hose
VRP66	3/4" Barb x 1/2" Male NPT Straight Fitting
VRP67S	3/4" Barb x 3/4" Female NPT
PMHC3/4	(2) 3/4" Hose Clamp
VO145	O-Ring for 3/4" Couplings
PMTT6	(2) Wire Ties
<b>VSPxxRS</b>	<b>xx" Rigid SP w/Shutoff Ball &amp; Cap</b>
VRP03	Blue Rigid Standpipe Ball
VRP44	Shutoff for Rigid Standpipe
VSPxxRP	xx" Rigid SP Tube Only
VSC750	Body for Rigid Standpipe Cap
VSC751	Cap for Rigid Standpipe
VSC752	Seal for Rigid Standpipe
VO145	O-Ring for 3/4" Couplings
<b>VSPxxFS</b>	<b>xx" Flex SP w/Shutoff Ball &amp; Cap</b>
VRP03F	(2) Blue Flex Standpipe Ball
VRP43	Shutoff for Flex Standpipe
VS130	Spring for 18" Flex Standpipe
VS132	Spring for 24" or 30" Flex Standpipe
VSPxxFP	xx" Flex SP Tube Only
VSC250	Body for Flex Standpipe Cap
VSC251	Cap for Flex Standpipe
VSC252	Seal for Flex Standpipe
VO145	O-Ring for 3/4" Couplings

## Regulator Body 12002

Part No.	Description
VRP05-1	(2) Screws for Pipe Clamp/Filter Bracket
VRP06	(1) Pipe Clamp
VRP11	Top Housing, VR202 Regulator
VRP12G	Pivot - New Style
VRP13	(2) Pivot Brackets - <i>must purchase in multiples of 2</i>
VRP14	Screws [(2) Pivot Bracket & (9) Bottom Housing & (1) Intake]
VRP15	Diaphragm Bolt
VRP16	Diaphragm
VRP18	Diaphragm Nut
VRP19	Spring
VRP20	Adjustment Bolt
VRP21	Adjustment Bolt Pin
VRP22	Bottom Housing, VR202 Regulator
VRP24	Adjustment Knob
VRP25	Adjustment Collar
VRP36G	Seal (Green - New Style)
VRP42	(2) Mounting Bracket for Aluminum Extrusion
VRP52	Diaphragm Plate

## WARRANTY

VAL-CO DISCLAIMS ALL LIABILITY FOR CONSEQUENTIAL DAMAGES OF ANY KIND. THERE IS NO WARRANTY OF MERCHANTABILITY, EXPRESS OR IMPLIED, AND THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION OF THE FACE HEREOF.

This guarantee covers VAL-CO Regulators only. VAL-CO Regulators which prove to be defective in workmanship or material within 1 year of the date of purchase (as recorded above), will be replaced or repaired free of charge, excluding labor, F.O.B. Lancaster, PA, U.S.A.

All defective regulators must be returned to us for review, study, and determination as to the reason for being defective. The guarantee or warranty does not cover malfunction or breakage caused by alteration, misuse, neglect, accident, or chemicals added or found in water, or poor quality water, or failure to install and operate correctly.

VAL-CO reserves the right to make changes, alter specifications or change models at any time without obligation or notice. No representative of VAL-CO or any agent, distributor, representative or dealer, may make any warranty or guarantee other than contained herein.

## WARNING

1. Do not overtighten any screws or nuts
2. Do not use pipe compound on threads.
3. Avoid all regulator contact with oil base materials.



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