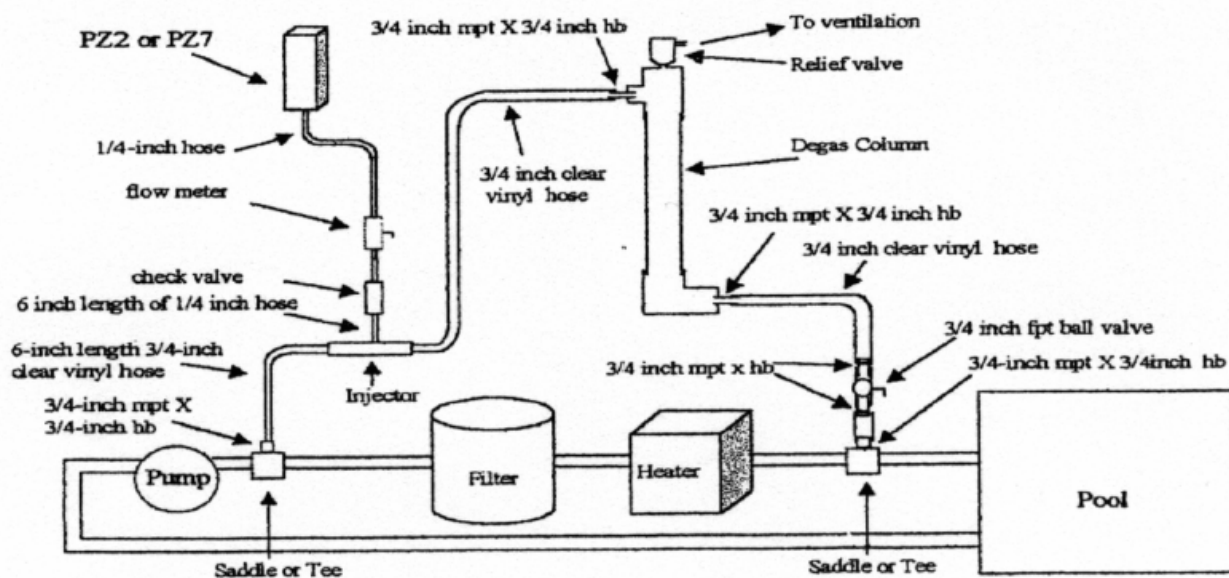


**GENERAL:** The degas column is designed to remove gas from the 3/4 inch bypass line of installations using PZ2-1, PZ2-2 or PZ7 Ozone Generators.

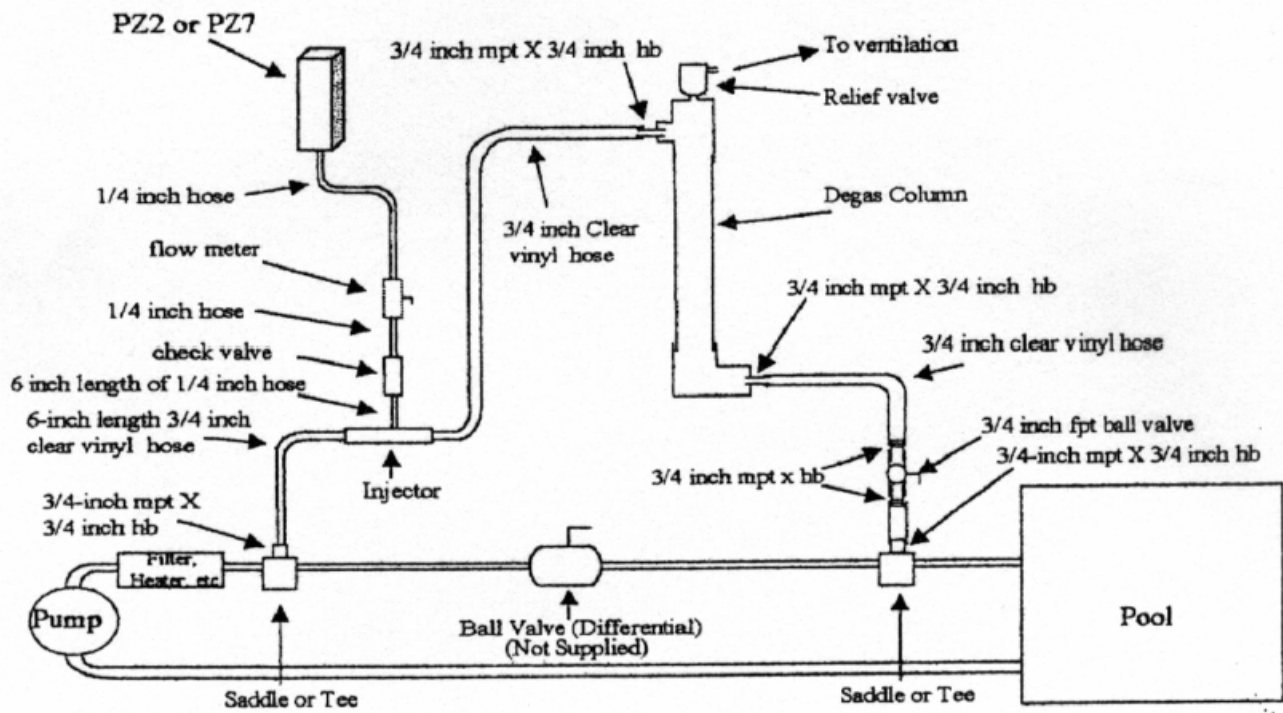
**INSTALLATION:** The Degas Column is to be installed in a bypass configuration as shown in the diagrams. Please review the diagrams thoroughly before beginning installation. Inventory and assure that all required parts are on hand. The column must be mounted vertically (vent on top) above the highest water level and properly secured in a location compatible with the location of the other components of the bypass system. Determine this location before beginning installation. The bypass system may be installed downstream of the filter, heater, (and other devices, if installed); however a valve must be installed in the main return line to create a differential pressure across the system.

Note: These instructions are to be used in conjunction with the instructions contained in the Ozone Generator Installation Guide which describes the installation of the basic bypass kit.

1. Apply teflon tape to the threads of the 1/2 inch mpt x 3/8 inch hose barb (HB) Kynar fitting and screw it snugly into the outlet (flow indicated with an arrow) of the pressure relief valve.
2. Apply teflon tape to the threads of the 3/4 inch closed nipple and screw it snugly into the Tee at the top of degas column.
3. Screw the relief valve snugly onto the 3/4 inch closed nipple. DO NOT OVERTIGHTEN.
4. Apply teflon tape to the threads of two 3/4 inch mpt x 3/4 inch HB nylon fittings and screw the fittings snugly into the Tee and Elbow of the Degas Column.
5. Attach a sufficient length (but not less than 10 feet) of 3/4 inch clear vinyl (CV) hose from the venturi injector to the 3/4 inch HB on the Degas Column Tee; secure with clamps.
6. Cut a length of 3/4 inch CV hose and install it on the HB fitting in the ELBOW (outlet) of the Degas Column; secure with a clamp.
7. Apply teflon tape to the threads of the two 3/4 inch mpt x HB fittings and screw them firmly into the 3/4 Ball Valve.
8. Install the 3/4 inch HB Ball Valve into the loose end of the hose just connected to the ELBOW; secure with a clamp.
9. Cut a short length of 3/4 inch CV hose and connect the Ball Valve to the HB fitting on the return line saddle clamp tee; secure with clamps.
10. Attach a sufficient length of 3/8 inch hose to the HB on the fitting installed in Step 1 and vent to exterior environment; secure with a clamp.



## INSTALLATION IN STANDARD BYPASS CONFIGURATION



### INSTALLATION AFTER FILTER, HEATER, ETC.

**OPERATION:** The inlet (TEE) and outlet (ELBOW) of the Degas Column must be oriented as shown in the diagram for best performance. This allows for the natural buoyancy of the gas to aid in the removal process.

1. Open the Ball Valve completely.
2. Turn the system on and allow it to stabilize.
3. The De-Gas Column will partially fill with water.
4. Water level will fluctuate as gas builds up and is released through the relief valve at the top of the column. The water level should be maintained approximately near the top of the clear PVC pipe.
5. If necessary, i.e., too much air introduced into the column; SLOWLY close the Ball Valve to obtain the proper water level and ozone flow through the column.
6. Gas from the Venturi Injector is continuously release through the relief vavle with minimal fluctuations in water level.
7. The relief valve may have some water in it and should be run to a drainage area as noted in INSTALLATION Step 10.
8. If the bypass is installed downstream of the filter and other deivces, the differential ball valve must be adjusted to develop sufficient pressure (6-10 psi) for proper system operation.

### INSTALLATION KIT INVENTORY

Description	Part Number	Quantity
De-Gas Column	---	1
Plastic Clamp $\frac{5}{8}$ "	20186	1
Metal Clamp $1\frac{1}{4}$ "	20067	4
Clear Vinyl Hose $\frac{3}{8}$ "	20901	240"
Clear Vinyl Hose $\frac{3}{4}$ "	20264	240"
Ball Valve $\frac{3}{4}$ "	20195	1
PVC Fitting $\frac{3}{4}$ " MPT x HB	20678	4
PVC Fitting $\frac{3}{4}$ " x Closed Nipple	20247	1
KY Fitting $\frac{1}{2}$ " MPT x $\frac{3}{8}$ " HB	20231	1
Pressure Relief Valve	20518	1
Manual, De-Gas 001	201172	1