

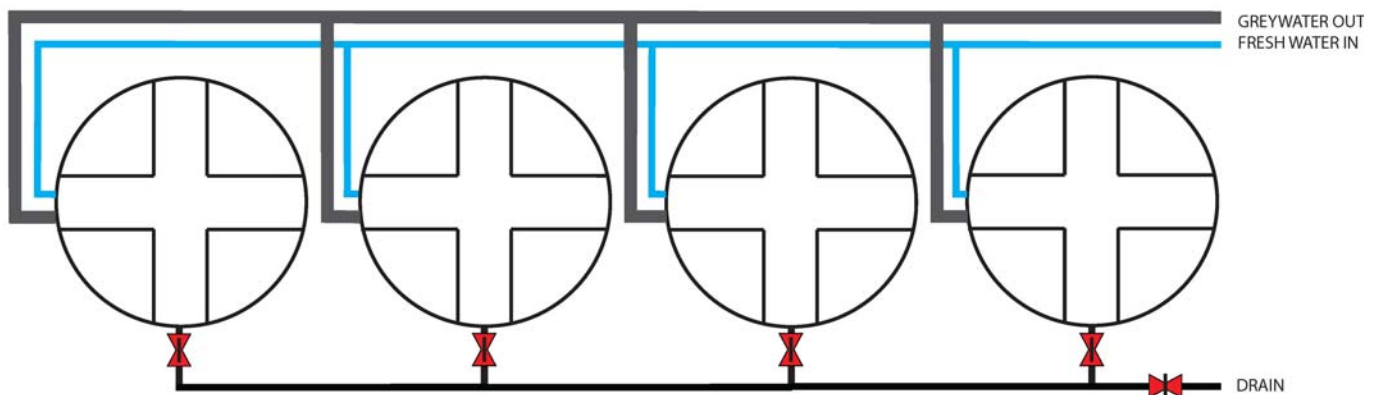


Using the Residential RGW Greywater Recycling Systems in Commercial and Semi-Commercial Applications

The RGW models that are equipped with the 1 hp pump (RGW-350 and RGW-450) can be used for commercial and semi-commercial applications provided that certain design criteria are followed.

Drain lines from source to the Brac System

When an application calls for more than one residential unit to be installed, the drain lines from the source should be plumbed to code and divided evenly to each tank based on expected daily volumes. To ensure proper distribution of the greywater to each tank, it is recommended that the unit's cleanout valves, at the base of the tanks, be connected together using 1" PVC pipe as illustrated below. Be sure to provide a means to drain the system if needed.



Connecting Multiple Systems in Series

Use a 1½" supply pipe for same floor installations up to 10 flush valves, and a 2" supply pipe for two or more stories. See pipe sizing chart below for more detailed information. You can increase the number of flush valves served with the addition of a pressure tank.

RGW 305/450	Same floor	One floor	Two floors	# Flush valves
1	1"	1"	1"	2
2	1"	1"	1"	4
3	1"	1"	1½"	7
4	1½"	1½"	2"	10

With 8 gallon pressure tank				
RGW 350/450	Same floor	One floor	Two floors	# Flush valves
1	1"	1"	1"	6
2	1"	1"	1"	8
3	1"	1"	1½"	11
4	1 ½"	1½"	2"	14

With 15 gallon pressure tank				
RGW 350/450	Same floor	One floor	Two floors	# Flush valves
1	1"	1"	1"	11
2	1"	1"	1"	13
3	1"	1"	1½"	16
4	1½"	1½"	1½"	19

When supplying a bank of flush valves, always pipe the supply starting from the center of the bank of flush valves or incorporate a pressure loop. As shown below.

Pressure Loop

