



Dear clients,

For years, owners of isolated homes who require a water softener have been penalized by severe restrictions on the prohibition of discharging washing water from their water softener into their septic system. They could not do otherwise than either risk the warranty of their septic system or violate local laws and regulations.

The drinking water industry has undergone significant evolution in recent years. Modern appliances are more efficient and consume much less salt and water than older models.

Following extensive research on the impact of water softener discharge into septic systems, DBO Expert decided that septic systems based on **Advanced Enviro))Septic** technology would now accept water from backwashes of water softeners, under the conditions specified in the section **“Conditions for Accepting Water Softener Backwash in Advanced Enviro))Septic”** below. These conditions refer in particular to the type of equipment, the efficiency of the water softener, the volume of washing water required and the frequency of washing.

Share this information sheet with your water softener supplier to ensure that all necessary conditions are met to ensure the optimal operation of your septic system.

For further information, please contact the DBO Expert team. We are happy to be able to support you.

The DBO Expert team

www.dboexpert.com
866 440-4975
info@dboexpert.com

Conditions for acceptance of water softener backwash in **Advanced Enviro))Septic** pipes

- The device must comply with NSF/ANSI 44.
- The device must meet a minimum efficiency of 4,000 treated grains per 454 g (1 lb) of salt consumed.
- The device must have a minimum efficiency of 1,000 treated grains per 19 L (5 US gallons) of wash water generated.
- The device must be DIR type (demand-driven regeneration).
- The device must have been selected specifically for the residence following water analysis.
- The device must be calibrated by a professional to ensure optimal salt and wash water consumption.
- The backwash volume must not exceed a specific percentage of the design flow rate of the septic system based on Advanced Enviro)) Septic pipes, as described in the table below.

		Backwash volume with respect to the number of bedrooms (L)					
Days between backwash*	Percentage accepted	1	2	3	4	5	6
More than 4	25%	135	270	315	360	450	540
2-3	20%	108	216	252	288	360	432
Less than 4	10%	54	108	126	144	180	216

		Backwash volume with respect to the number of bedrooms (L)					
Days between backwash*	Percentage accepted	1	2	3	4	5	6
More than 4	25%	36	71	83	95	119	143
2-3	20%	29	57	67	76	95	114
Less than 4	10%	14	29	33	38	48	57

Table 1: maximum wash volume based on the number of bedrooms in a residence and the days between washings.

* The number of days between regeneration cycles must be estimated from 250 L (65 US gallons) per person per day.

Note: Installations where the volume of backwash was considered during the design of the system can ignore this last criterion.

