

# SIMPLE DRAINBACK SYSTEM™

## Simple Drainback Specifications Chart

Systems	Storage Size	Number of People in Household	Pump	Collector Height (ft)	Diameter (Inches)	Height (Inches)	Insulation R Value	HX area (ft <sup>2</sup> )
80 DB SYS1	80 gal	3-4	Star S 21F	0 -102	22.375	69*	20	23.5
120 DB SYS1	120 gal	5-6	Star S 21F	0 -102	27.375	64	20	23.5
80 DB SYS2	80 gal	3-4	Star 32F	20 - 30	22.375	69*	20	23.5
120 DB SYS2	120 gal	5-6	Star 32F	20 - 30	27.375	64	20	23.5
80 DB SYS3	80 gal	3-4	Star 32F/ Star S 21F	30 - 48	22.375	69*	20	23.5
120 DB SYS3	120 gal	5-6	Star 32F/ Star S 21F	30 - 48	27.375	64	20	23.5
80 DB SYS4	80 gal	3-4	2 Star 32F	48 - 58	22.375	69*	20	23.5
120 DB SYS4	120 gal	5-6	2 Star 32F	48 - 58	27.375	64	20	23.5

\* Height of tank, however, top of tank fittings should be considered

\*\* Vertical distance between pump and top of collectors

\*\* For collector heights over 58 feet see installation manual or contact us.

Maximum Tank Working Temperature 200°F

Maximum Tank Working Pressure 100psi

Maximum Tank Test Pressure 174psi

Note: Insulating Blanket adds R-5.1 to tank.

Over 30 years of solar  
hot water heating experience.



**Solar Heat Exchange Manufacturing**  
standard & custom engineered solar hot water systems

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