



Cooling system maintenance

Baldwin's BTE and BTA PLUS additives are designed for use with conventional coolants and are not compatible with extended life coolants. The following charts will help you choose the proper level of protection for your cooling system.

Systems Using BTE

Size of Cooling System (U.S. Gallons)	System Pre-Charge*	Maintenance Filter 12,000-15,000 Miles (20,000-25,000 kilometers) or 300-350 Hours (Units of BTE)
1-10	10 Units of BTE*	BW5136 (2)**
11-20	20 Units of BTE*	BW5137 (4)**
21-30	30 Units of BTE*	BW5138 (6)**
31-40	40 Units of BTE*	BW5139, BW5182 (8)**
41-50	44 Units of BTE*	BW5143 (11)**
51-60	64 Units of BTE*	BW5140 (16)**

+ Any combination of coolant filters and liquid BTE may be used to achieve the proper number of units to treat your system.

* Add 1 pint (4 Units) of BTE for every 4 gallons of cooling system capacity to pre-charge the system.

** Add 1 pint (4 Units) of BTE for every 20 gallons of cooling system capacity for 12,000-15,000 miles (20,000-25,000 kilometers) or 300-350 hours of maintenance.

Systems Using BTA PLUS

Size of Cooling System (U.S. Gallons)	System Pre-Charge*	Maintenance Filter 12,000-15,000 Miles (20,000-25,000 kilometers) or 300-350 Hours (Units of BTA PLUS)
1-6	10 Units of BTA PLUS*	BW5070 (2)**
7-16	18-24 Units of BTA PLUS*	BW5071, BW5082 (4)**
17-21	34 Units of BTA PLUS*	BW5072 (6)**
22-32	52 Units of BTA PLUS*	BW5073 (8)**
33-43	72 Units of BTA PLUS*	BW5074 (12)**
44-51	87 Units of BTA PLUS*	BW5075 (15)**
52-70	103 Units of BTA PLUS*	BW5076**

+ Any combination of coolant filters and liquid BTA PLUS may be used to achieve the proper number of units to treat your system.

* Add 1.25+ Units of BTA PLUS for every gallon of cooling system capacity to pre-charge the system.

** Add 1.25 Units of BTA PLUS for every 4 gallons of cooling system capacity for 12,000-15,000 miles (20,000-25,000 kilometers) or 300-350 hours of maintenance.

Depend on Baldwin Filters

Protect your equipment with heavy-duty Baldwin filters. When it comes to coverage, Baldwin Filters provides the widest range of heavy-duty lube, air, fuel, coolant, hydraulic and transmission filters in the industry.

Baldwin consistently manufactures filters designed to meet or exceed the quality, performance and supply requirements of original equipment and aftermarket customers.

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Cooling System protection



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Heavy-duty protection

Poor cooling system maintenance causes an estimated 40% of all premature engine failures. Coolant filters protect your engine by trapping contaminants and distributing Supplemental Coolant Additives (SCAs) into your cooling system. Baldwin offers coolant filters with two SCA formulations to meet specific engine needs.

- **Balanced Treatment for Ethylene Glycol (BTE™)** is a direct replacement for DCA2 and is designed for systems operating with 30 to 60% ethylene/propylene glycol solutions.
- **Balanced Treatment Additive (BTA PLUS™)** is a direct replacement for DCA4 and can be used in systems with antifreeze levels ranging from 0 to 60% ethylene/propylene glycol solutions.

Coolant filters are available without SCAs if the use of liquid BTE or BTA PLUS additives is preferred.

If your equipment does not currently have a coolant filter, Baldwin offers a remote-mount coolant filter base (CFB5000), which can be added to your system.

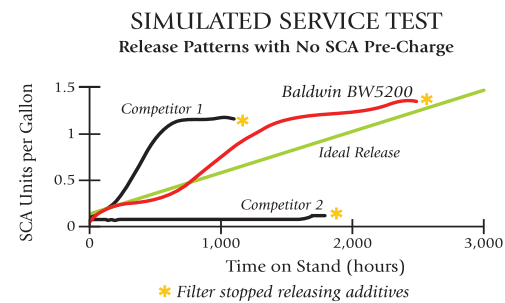
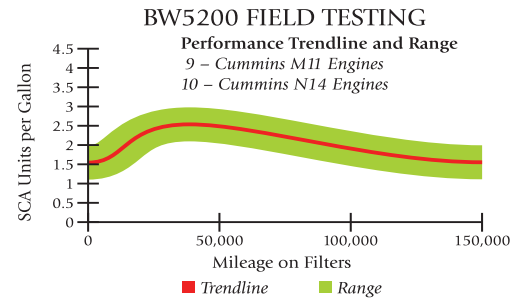
Baldwin's FleetStrip™ Coolant Test Kit (CTK5029) measures freeze point, nitrite and molybdate in conventional antifreeze to help you maintain proper SCA levels.

Use Baldwin's full line of cooling system maintenance products — cooling system cleaner, liquid additives, coolant test kits and filters — to keep your engine running at peak performance.

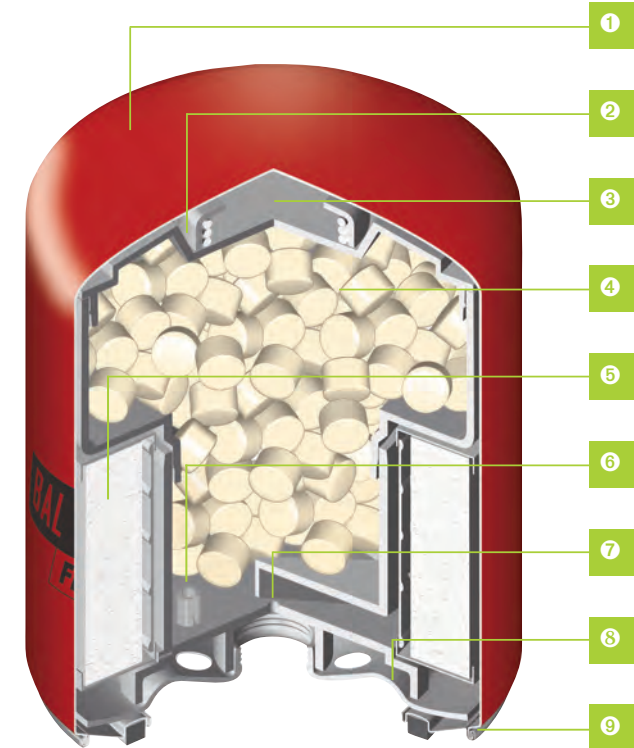
Maximum performance

Baldwin Filters uses the latest technology in cooling system care. Patented coolant filters containing Controlled Release Supplemental Coolant Additives protect diesel engine cooling systems for one year, 150,000 miles (240,000 Kilometers) or 4,000 hours of service.

The following tests illustrate Baldwin's superior performance.



Controlled Release Coolant



- 1 **Epoxy Coated Housing** reduces the possibility of corrosion during extended service intervals.
- 2 **Spring Protector** isolates dissimilar metals to prevent corrosion.
- 3 **Injection Molded Plastic Chamber** contains Controlled Release Coolant Pellets, which are located upstream of the filter media.
- 4 **Controlled Release Coated Pellets** diffuse SCAs into the system when exposed to heat and coolant flow.
- 5 **Synthetic Media** is designed to withstand heat and degradation from long-term exposure to coolant flow.
- 6 **SCA Diffusion Control Orifice** meters diffusion of SCA chemical into the coolant flow – maintaining proper system balance.
- 7 **Flow Control Orifice** meters flow of the coolant through the filter.
- 8 **Heavy-Duty Baseplate** made from stamped steel, is designed to withstand extended service intervals.
- 9 **Double-Rolled Tuck Lock Seam** prevents coolant leaks.

