

# COOLANT DAM<sup>®</sup> VACUUM & PRESSURE TESTER

**Zero**start<sup>®</sup>

Simple tool that holds coolant inside the engine when other components are removed for repair or replacement.

## BENEFITS

- No need to drain the block for simple repairs
- Pressure testing without hand pumping or running the engine

## WHEN TO USE

- Changing Heater Hoses
- Changing Fan Sensors
- Changing Temperature Sensors
- Installing Shut-off Valves for Fuel Warmers & Separators
- Replacing Cab Heater Cores
- Replacing Heater Control Valves

## T-1000 KIT INCLUDES

- T-1025 Adapter
- A-462-2 Extension Hose
- A-536 Discharge Hose
- A-483 Hanger
- Storage Case

## MODEL T-1000

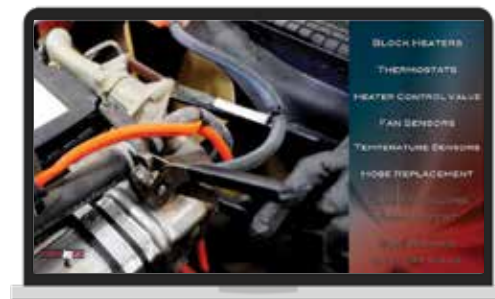


Video Demonstration  
<https://youtu.be/cZdGNalwSnc>

## HERE'S HOW IT WORKS

Using shop air, this ingenious, simple, new time-saving tool holds engine coolant inside the engine, with little or no coolant loss, even when pipe plugs, sensors, valves and other components are removed for replacement or repair.

- The Coolant Dam creates a vacuum, holding coolant inside the engine.



- The unit quickly converts from vacuum to a pressure tester, up to the maximum pressure limit of the included pressure cap.


















**Air Requirements for Continuous Operation: 30 CFM at 120-150 PSI  
(.85 Cubic Meters at 8-10 Bar)**


**PHILLIPS & TEMRO**  
*industries<sup>®</sup>*

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# COOLANT DAM® PRESSURE TESTER

## COOLANT DAM® ADAPTERS & PLUGS

 <p><b>T-1025</b> Standard Automotive Size. Reversible seal fits 1" or 3/4" deep filler necks. Also fits late model Mercedes 1319.</p>	 <p><b>T-1020</b> Volvo. Fits vehicles using Volvo part number 1542591 radiator cap. (46x33mm Thread).</p>	 <p><b>T-1024</b> Truck "B" Size</p>
 <p><b>T-12027</b> To be used with T-1025 to test 32mm I.D. 16mm deep cooling system filler necks.</p>	 <p><b>T-1029</b> GMC – Freightliner – Western Star Threaded, Non-Vented, Western Star cap part number 20009-0002.</p>	 <p><b>T-1030</b> Transit Bus Adapter. Fits many Flexible, Crown, MCI, New Flyer, GM, MAN, SAAB filler necks.</p>
 <p><b>T-1034</b> Pop Off Pressure Adapter. Mounts to top of Coolant Dam® to test pop off pressure of truck "B" size cap.</p>	 <p><b>T-1040</b> Volvo. Fits vehicles using Volvo part number 6794968 radiator cap. (63 x 3mm Thread).</p>	 <p><b>T-1223</b> Volvo VN Series. Fits vehicles using Volvo part number 1674922.</p>
 <p><b>T-1228</b> Ford E-350. International 7.3L. Fits vehicles using Cap # RS-103, F6DZ-8100A, 12R-16#, or 31406.</p>	 <p><b>T-1229</b> Kenworth Vehicles using cap #N5349001.</p>	 <p><b>T-1230</b> Volvo VN Series. 2006 and newer Fits vehicles using Volvo part number 20519046.</p>
 <p><b>T-1233</b> Freightliner Columbia/Cascadia. 2008 &amp; newer Vehicles using cap # N9685001 or BHTN9685001 or BHTW3678001*.</p>	 <p><b>T-3000</b> Navistar (1996 &amp; Newer). Fits vehicles using Navistar part number 2039390C1 radiator cap.</p>	 <p><b>T-3064</b> Freightliner Columbia Fits vehicles using Freightliner part number 05-20763-000 radiator cap.</p>
 <p><b>T-3030X</b> Caterpillar Adapter. Call for information – Cat. #s 7N918, 7N5565, 6N1981, 1N3599.</p>	 <p><b>T-1721</b> Carrier Vector Series 3 threads at .45" depth <b>Surge Tank Cap</b> 58-01432-005V</p>	<p><b>GAUGE PROTECTIVE COVER</b> <b>Part No. RGB-200</b> Fits snugly over the Coolant Dam pressure/vacuum gauge to provide additional protection. Fits part # A-460 pressure/vacuum gauge.</p>

 <p>Rubber Expansion Plugs – Used to temporarily plug coolant lines during component replacement</p>	A-440 – 3/8"	A-444 – 5/8"	A-448 – 7/8"	A-449 Kit (1) ea 3/8" to 7/8"
	A-441 – 7/16"	A-445 – 11/16"	A-451 – 1"	
	A-442 – 1/2"	A-446 – 3/4"	A-452 – 1-1/8"	A-467 – Case
	A-443 – 9/16"	A-447 – 13/16"	A-453 – 1-1/4"	A-466 – Foam Insert

## FOR SERVICING CUMMINS ISX AFTER-TREATMENT INJECTOR (ATI) UNITS

### KT-T1000-CUMMINS-ISX-ATI

Kit includes:

- 3089567 Coolant Block Plug
- 4918690 Coolant Line Plugs
- A-6622 36" Extension Hose
- B-702 Work Instruction Sheet

Using the Coolant Dam® in servicing the ATI is a labor and shop time saving tool. The coolant will not have to be drained and refilled as is happening now when the Coolant Dam® is not used. Arctic Fox recommends that after complete service of the ATI, that you follow the Cummins ISX engine procedures for purging air from the

coolant system before putting the engine under load.

