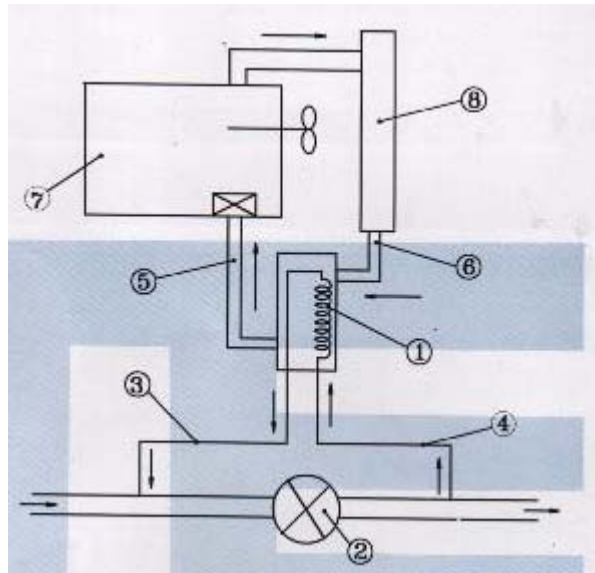


Fire Fighting Truck Heat Exchanger



1. Heat exchanger
2. Fire fighting pump
3. Water intake line to the pump
4. Water discharge line from pump
5. Inlet to heat exchanger (hot water)
6. Exit from heat exchanger (cold water)
7. Engine
8. Radiator

The radiator water is cooled using part of the pump water without mixing between the two. The temperature of the engine remains constant, that of the radiator remains low. Consequently using the pump lowers the temperature of the engine, no matter how high the ambient temperature is or the length of time in which the pump is used.