

solar valves

High Temperature Check Valve

HTCV

HTCV15F-15C AND HTCV15C-15F

AVG has developed a range of valves for solar applications and in collaboration with the solar hot water industry has developed a high temperature non return valve.

As solar hot water heaters are becoming more efficient and the stagnation temperatures within the solar collector panels is increasing, damage to pipework and other components is becoming an issue.

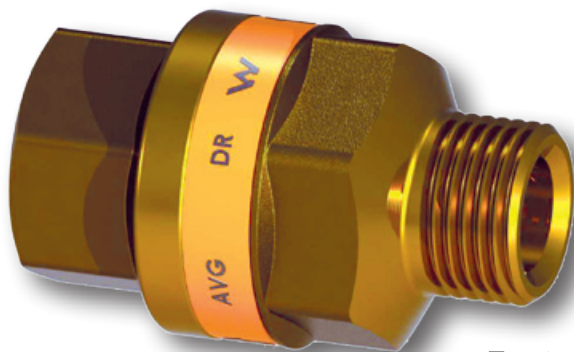
The HTCV is a high temperature non return valve designed to prevent the back flow of high temperature hot water.

APPLICATION

High temperature non return valves need to be installed to prevent high temperature hot water from the solar collector panels damaging plastic water pipes, pumps, valves and other components within the plumbing system.

This valve is suitable for pumped solar flow and return lines to prevent back flow.

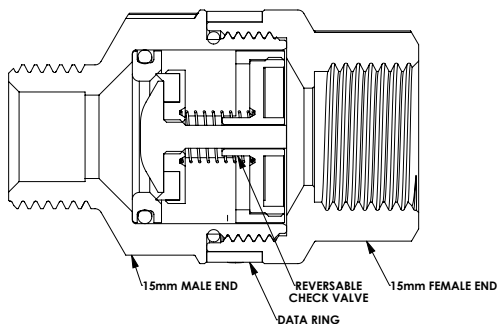
To prevent back flow and damage to the plastic cold water pipework the HTCV can be installed into the incoming mains supply line to a storage hot water heater.



FEATURES

- Robust DZR brass construction
- Designed for high temperature solar installations
- No plastic internal components
- High temperature internal components
- High temperature silicone seals
- Reversible check valve cartridge
- Two HTCV models are available with alternative flow directions.
- **IMPORTANT NOTE:** check the flow direction on the data ring before installing
- The HTCV is suitable for vertical or horizontal installations

MODEL NO.	DESCRIPTION	CONNECTIONS	
HTCV-15F-15C	High temp. non return valve	Inlet 1/2" female BSP	Outlet 1/2" male compression
HTCV-15C-15F	High temp. non return valve	Inlet 1/2" male compression	Outlet 1/2" female BSP



SPECIFICATIONS

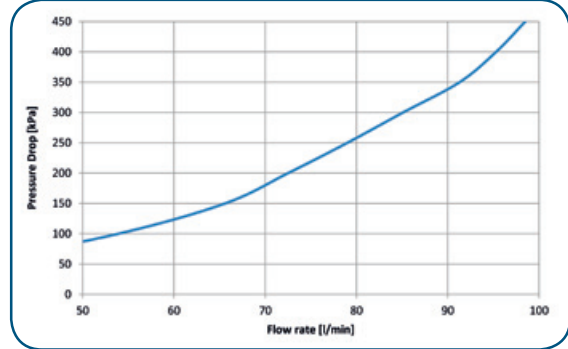
Max. temperature:	250°C
Max. supply pressure:	1400kPa
Flow rate max.:	90 l/min
End connections:	1/2" male X 1/2" female
Body:	DZR brass
Seals:	Silicone

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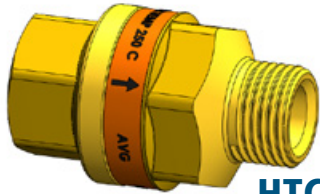
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PRESSURE COMPARISON



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HTCV-15F-15C

2



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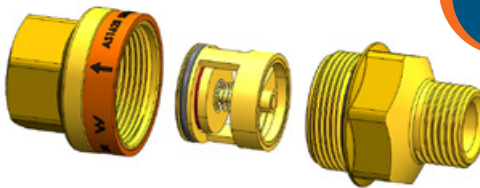
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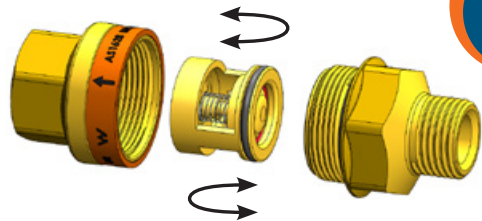
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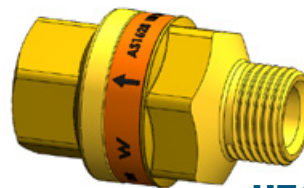
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HTCV-15C-15F

Conversion Instructions