

2-WAY BLOCK CSV



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The 2-Way Coolant Block (2W Block-CSV) made by Pierburg implements proven cartridge valve technology and can be fully integrated into a coolant module as a “plug-in valve”. All specific interfaces are implemented and integrated as required, which completely eliminates the need for additional hydraulic couplings or hoses.

The valve features a modular design that allows the flow rate range to be selected freely, ensuring precise adaptation according to specific application requirements. For high-flow scenarios, the 2-way modular principle offers freely selectable fail-safe open or fail-safe closed configurations.

Combining easy assembly and seamless system integration with highly adaptable flow characteristics, this block valve provides an efficient and durable thermal management solution not only for modern automotive architectures, but also for a wide variety of industrial and non-automotive application systems.

BENEFITS

- Easy assembly and seamless system integration
- “Snap-in” cartridge technology
- Eliminates the need for separate hydraulic couplings or hoses
- Freely selectable flow rate range for precise application matching
- Modular principle for “high flow” allows freely selectable fail-safe open or closed configurations
- Versatile deployment in automotive, industrial, and other non-automotive applications
- High thermal robustness across a wide temperature range from -40 °C to + 140 °C
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- Excellent sealing performance with internal leakage below 0.05 l/min
- Versatile electrical integration for standard 12 V and 24 V systems

TECHNICAL DATA

	Normally open	Normally closed
Operating voltage	12/24 V	12/24 V
Ambient temperatures	-40 °C to +140 °C	-40 °C to +140 °C
Media temperature	-40 °C to +140 °C	-40 °C to +140 °C
Flow rate	up to 60 l/min	up to 50 l/min
Max. differential pressure closed	up to 2.0 bar	up to 2.0 bar
Internal leakage	< 0.05 l/min at 1 bar rel.	< 0.05 l/min at 1.8 bar rel.

PIERBURG

Pierburg, as a heritage brand, is a system provider for high-quality and innovative solutions and control technologies for the automotive and energy industries, among others.

With its Business Sections, Pierburg stands for outstanding expertise in the following areas: air management, thermal management, e-mobility and hydrogen technology.

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