

MT-SERIES Rectifiers

Thyristor Technology



MTW MODELS Water Cooled

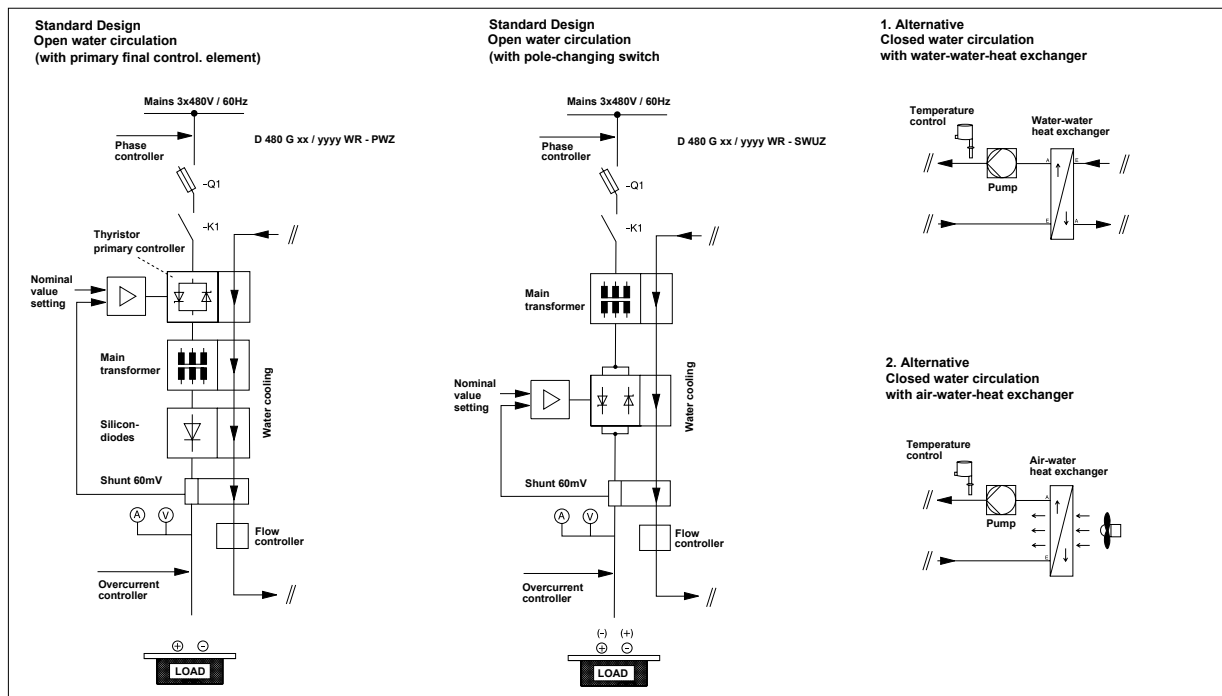
If sufficient "clean cooling air" is not available, water cooling is a useful alternative. Water cooled MTW Series power supplies combine the compact design and easy access advantages of the cabinet construction with the almost completely sealed enclosure of a tank design. Due to the higher cooling efficiency of water in comparison to air, MTW power supplies are even more compact than air cooled systems.

Product Advantages

- Compact design with high protection grade (up to Nema 12 / IP 54)
- Wear-free, electronical power adjustment
- Constant current and/or voltage control
- Integration into existing cooling systems
- Service friendly design
- Dynamic control

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Technical Data (standard)

Mains voltage	3 x 208 - 600V / 60 Hz+PE
Output current	> 1000 A up to 100 kA
Output voltage	> 6 V up to approx. 600 V
Ripple	approx. 5-7% at full load
Option: Smoothing	(\leq 5%) in a defined range
Duty factor	100% Continuous
Efficiency	> 80% up to 90% (depending on design)
Ambient temperature	95 °F
Optional:	> 95 °F
Water entry temperature	60 °F up to + 85°F
Protection grade	Nema 2 / IP 21 upto Nema 12 / IP 54

Custom designs on request

Options

- Wear-free polarity switch
- Field bus interface
- Pulse operation
- Temperature depending water quantity control
- Smoothing choke to reduce the ripple



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