



maXsysTM
TRIO/DUO
BOILER SYSTEM

Key Features

- Boiler controller, local user interface, ignition device, gas valve and mixing unit
- Flap control with fallback logic
- Hot water anti-scaling logic
- Developed & tested together with Giannoni France
- Pre-tested and pre-validated
- Cascading functionality integrated in local user interface
- Self-configuration of cascading system
- Flame detection independent from earth & power supply
- Versions for 230V & 115V (US CSA approved) available
- Supports modulating pumps

Key Benefits

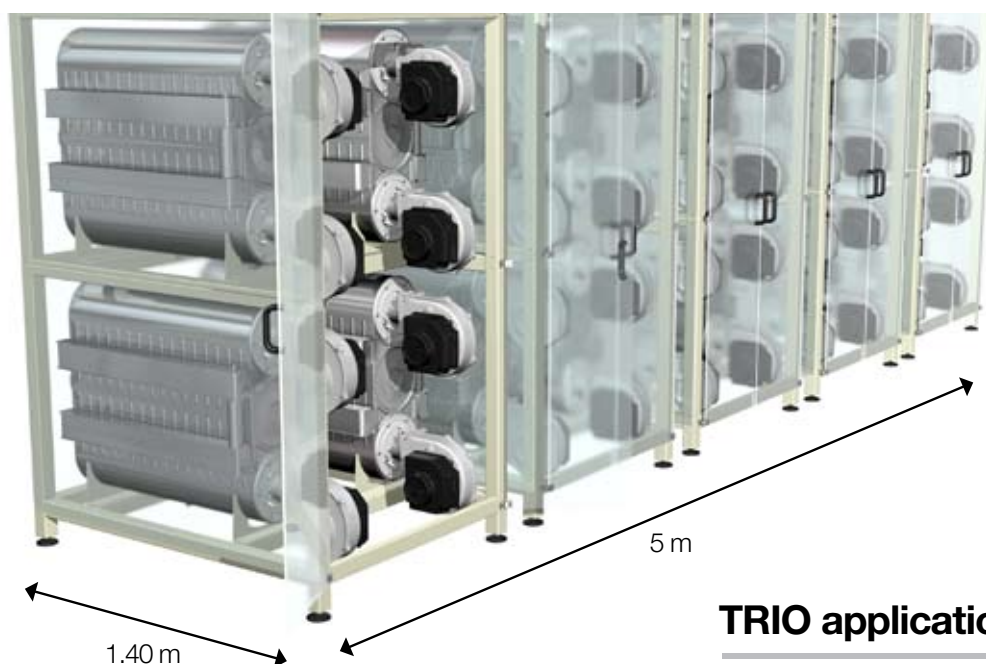
Honeywell Control Set

- > ■ Complete system from one source
- > ■ Ensuring max. cascading availability
- > ■ Prevents scaling, increased reliability
- > ■ Perfect fit to TRIO and DUO application
- > ■ Easy and fast market introduction
- > ■ No need for complex external cascade manager
- > ■ Fast and easy commissioning
- > ■ Runs even in poorly grounded grids
- > ■ Ready for a global market
- > ■ Saves electrical energy

Giannoni Heat Exchangers

- Compact heat generation
- No double components like pump, siphon, etc. with TRIO
- Modular system
- Long standing Giannoni coil technology in TRIO/DUO
- Precise gas/air ratio control and optimal mixing
- Can work up to 600 Pa flue gas resistance

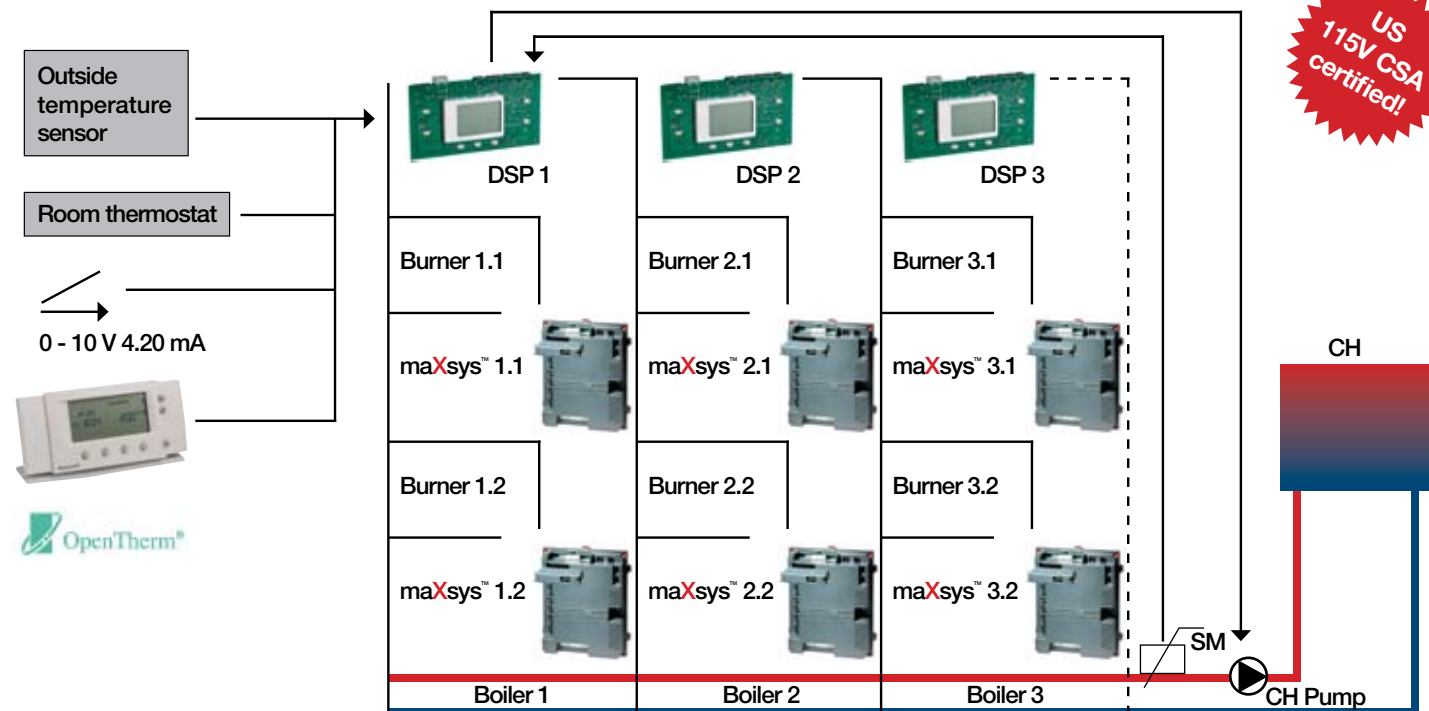
- > ■ Using little space (e.g. 10MW on 7m2 with TRIO)
- > ■ Saving money, space and electrical energy
- > ■ Flexible appliance planning
- > ■ Known maintenance and reliability
- > ■ Wide modulation band (1:10 for TRIO)
- > ■ Reliable operation in all installations



TRIO application example

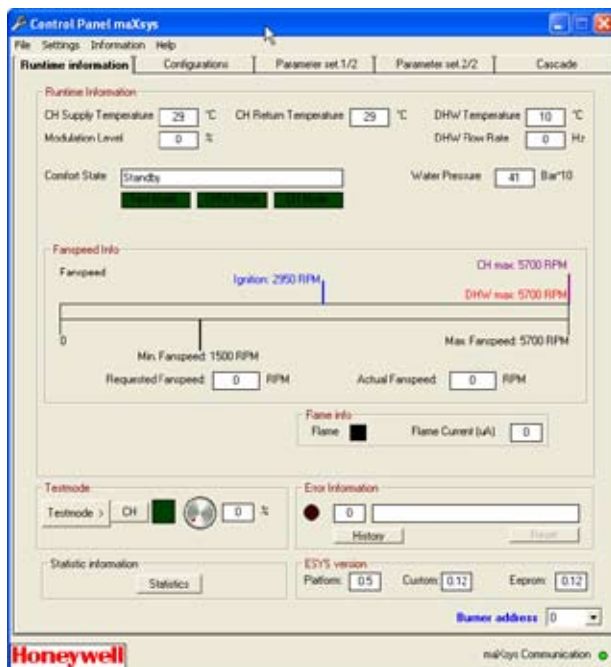
Cascading Functionality

- Cascading functionality embedded into local user interface (DSP)
- 6 DSPs / boilers can be connected together
- One DSP can drive two **maXsys™** controllers/burners
- Wear balancing of burners
- First DSP (master) handling heat request
- Automatic set-up procedure identifying each module's position

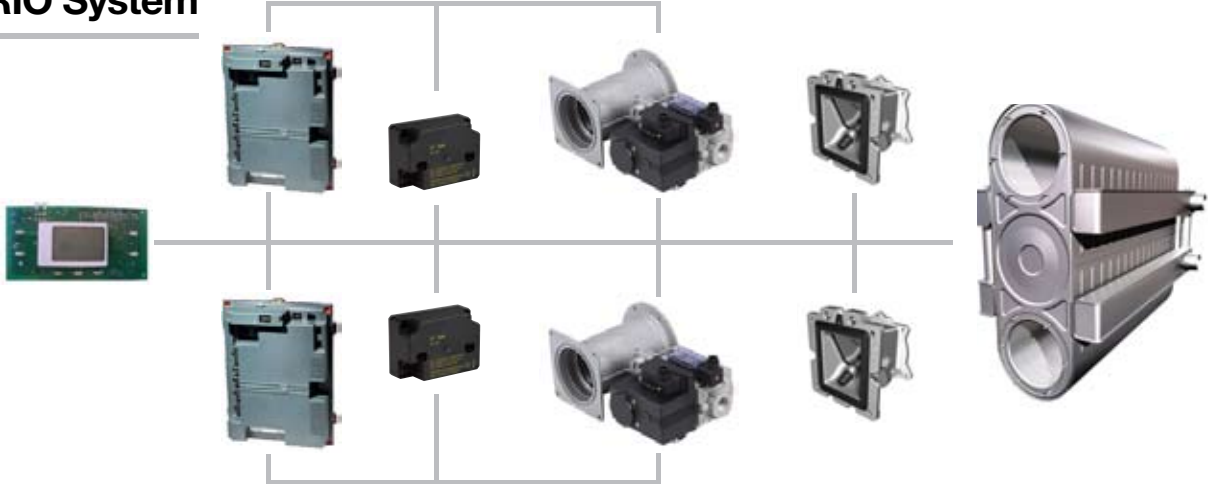


PC Software - Control Panel for maXsys™

- Online-monitoring of current system status
- Configuration of parameters
- Test-mode
- Direct feedback
- Easy to read
- Self-explanatory and intuitive



TRIO System



DUO System



DSP	maXsys™	Ignition Device	Gas Valve + Venturi	Flap + Stabilor	TRIO Heat Exchanger	DSP	maXsys™	Ignition Device	Gas Valve + Venturi	Flap + Stabilor	DUO Heat Exchanger
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System Components & Ordering Numbers

Heat Exchanger (Capacity Up to)	Gas Valve *	Venturi Mixing Unit *	maXsys™ Controller *	DSP Local User Interface	Ignition Device *	Capacity (Up to)
TRIO 250 kW (2x125 kW) DUO 120 kW	 VR4615V1006B (230V) or VR4615B1048Bxxx (115V)	 45900450-020B	S4966V2029B (230V) or S4966V2045B (115V)	 DSP49G2037B	13134 (230V) or 	TRIO 250 kW (2x125 kW) DUO 120 kW
TRIO 300 kW (2x150 kW) DUO 150 kW	 VR420VA5021-0000 (230V) or V4730C1014-0000 (115V)	 VMU185A1009			 Q652B1006/U (115V)	TRIO 300 kW (2x150 kW) DUO 150 kW
Up to TRIO 500 kW (2x250 kW) DUO 250 kW	 VR425VA5042-0000 (230V) or V4730C1022-0000 (115V)	 VMU300A1004				Up to TRIO 500 kW (2x250 kW) DUO 250 kW

* For TRIO 2x

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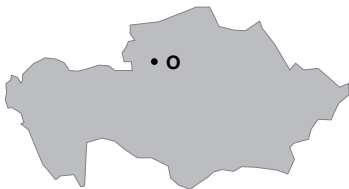
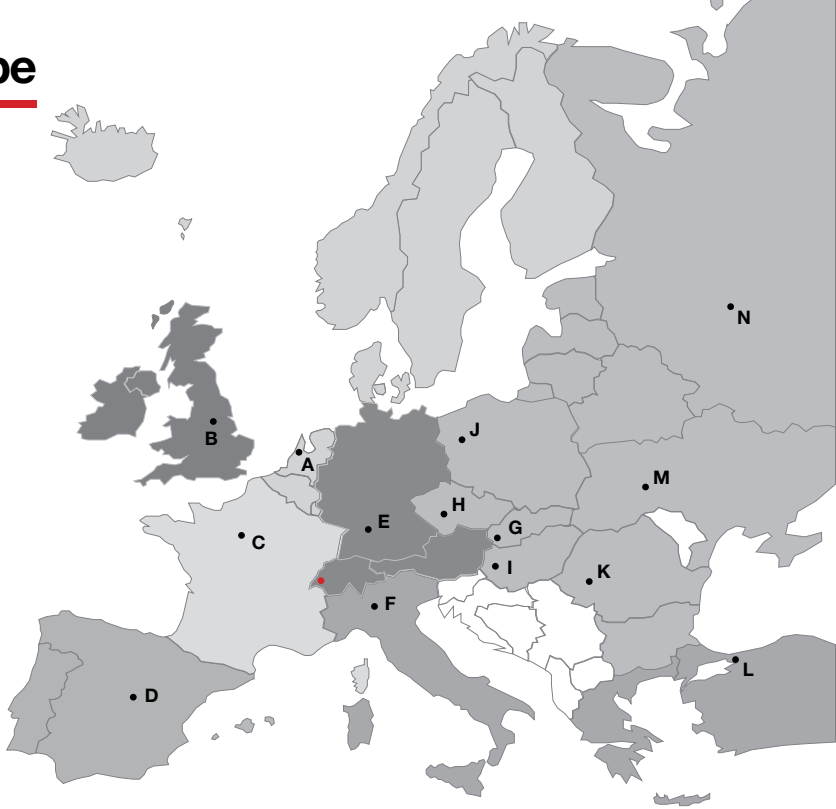
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