

Coolant recirculators

CR 1000 / CR 1250

For a "cool" welding process ...

In high amperage applications with long welding cycles air-cooled torch systems can reach their limits. This can lead to malfunctions and unnecessary downtime.

The mobile cooling units CR 1000 and CR 1250 are the ideal complement system to equip a power source designed for air-cooled welding with a liquid cooled welding torch. For a permanently "cool" welding process. The devices are characterized by their high cooling performance in a compact design and easy handling.

With a few steps the integrated flow switch¹⁾ for the permanent monitoring of the complete cooling system can be connected to the machine-side connection of the welding torch. Therefore, operation without coolant is not possible and the welding torch as well as the cooling unit are optimally protected.

- High cooling performance in a compact design is ideal for mobile use
- International quick connectors for easy, time-saving installation
- Integrated flow switch for the permanent monitoring of the complete cooling system for protection of the welding torch and the cooling unit – connection set included in delivery
- Exposed tank with coolant level indicator for convenient filling and draining of the coolant
- Overheat protection for pump and motor – for a long life
- Low-weight and sturdy carrying handles for easy transport to the job location
- Splash-proof fuse, main switch and louvers

¹⁾ Operation is also possible without flow switch.



Technical data

Technical data	CR 1000	CR 1250
Heat exchanger	2-row	3-row
Supply voltage	115/230/400 V AC / 50/60 Hz	115/230/400 V AC / 50/60 Hz
Pump 50/60 Hz	Flow rate Q_{max} 7 l/min Delivery height H_{max} 35 m	Flow rate Q_{max} 7 l/min Delivery height H_{max} 35 m
Pump pressure	3.5 bar	3.5 bar
Cooling capacity	1000 W with H ₂ O 750 W with BTC-15 ²⁾	1250 W with H ₂ O 1050 W with BTC-15 ²⁾
Noise level at 1 m distance	67 dB (A)	67 dB (A)
Weight	14.9 kg	16.7 kg
Dimensions L / W / H	490 / 250 / 410 mm	690 / 250 / 340 mm
Tank capacity	6.0 litres	6.0 litres
Water connection	NW 5 (quick connector)	NW 5 (quick connector)

²⁾ The coolant BTC and BTC NF of ABICOR BINZEL protects liquid cooled welding and cutting torches as well as cooling devices by their very low conductance of < 4 µS against electrolytic corrosion and premature wear.

Coolant recirculators cpl.

Description	Part.-No.
Coolant recirculator CR 1000 115 V	850.1002.1
Coolant recirculator CR 1000 230 V	850.1001.1
Coolant recirculator CR 1000 400 V	850.1034.1
Coolant recirculator CR 1250 115 V	850.1052.1
Coolant recirculator CR 1250 230 V	850.1051.1
Coolant recirculator CR 1250 400 V	850.1074.1

Spare parts

Description	for	Part.-No.
Housing	CR 1000 115 V / 230 V	850.1003.1
Housing	CR 1250 115 V / 230 V	850.1053.1
Cooler double-row	CR 1000	850.1004.1
Cooler three-row	CR 1250	850.1054.1
Bottom part	CR 1000 115 V / 230 V	850.1005.1
Bottom part	CR 1250 115 V / 230 V	850.1055.1
Power cable	CR 1000/1250 115 V / 230 V	850.1006.1
Power switch	CR 1000	850.1007.1
Power switch	CR 1250	850.1056.1
Power switch	CR 1000/1250 400 V	850.1037.1
Water tank	CR 1000/1250	850.1008.1
Handle	CR 1000	850.1009.1
Handle cpl.	CR 1250	850.1057.1
Quick coupling (male)	CR 1000/1250	850.1010.2
Quick coupling (female red)	CR 1000/1250	850.1011.1
Quick coupling (female blue)	CR 1000/1250	850.1012.1
Top tank cover	CR 1000/1250	850.1013.1
Bottom tank cover with washer	CR 1000/1250	850.1014.1
Motor holder	CR 1000	850.1015.1
Motor holder	CR 1250	850.1058.1
Motor cpl. with fan	CR 1000/1250 115 V	850.1017.1
Motor cpl. with fan	CR 1000/1250 230 V	850.1016.1
Motor cpl. with fan	CR 1000/1250 400 V	850.1035.1
Fuse holder	CR 1000/1250	850.1018.1
Rubber foot	CR 1000/1250	850.1019.4
Fan vane cpl.	CR 1000/1250	850.1020.1
Screw set for housing	CR 1000	850.1021.20
Screw set for housing	CR 1250	850.1067.20
Hose set 2 m with 10 clamps	CR 1000/1250	850.1022.1
Connection nipple G1/4"	CR 1000/1250	850.1023.2
Fine-wire fuse 5 A	CR 1000/1250 115 V	850.1025.10
Fine-wire fuse 3 A	CR 1000/1250 230 V	850.1024.10
Fine-wire fuse 1 A quick acting (6.3 x 32 mm)	CR 1000/1250 400 V	850.1036.10
Control lead cpl. (flow control)	CR 1000/1250	850.1026.1
Flow control	CR 1000/1250	850.1059.1
Y-Distributor cpl.	CR 1000/1250	850.1027.2
Control socket 2-pole	CR 1000/1250	850.1060.1
Control plug 2-pole	CR 1000/1250	850.1061.1
Sealing kit for pump	CR 1000/1250	850.1072.1