

Compressor Gas Cooler

CCA 992C



Select Required Code:

انتخاب کد مورد نظر:

CCA 992C	0	بدون مبدل	0 (None) G (Duran Glass) S (SS316) P (PTFE / PVDF)	جنس مبدل	1 2 3 4	تعداد مبدل	1=150 2=250	فلوی گاز NI/hr	0 (None) 1 (SR25 Pump) 2 (Auto Trap)	به ازای هر مبدل Auto Trap / SR25 حرارتی
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Highlights:

- Gas outlet temperature from gas cooler adjusting from +2 °C to +7 °C
- Gas outlet temperature stability ± 0.1 °C
- 2 relays for Status Alarm Ready to work signal
- With PID electronic controller with digital display
- Working Ambient Temperature: 0...+50 °C
- Start-up time < 15 min and stable 2 hours in constant process condition
- Wall mount Enclosure and Standard 19" Rack mount
- Special Version for -40°C gas outlet dew point temperature

ویژگیها:

- تنظیم دمای نقطه شبنم خروجی از +2 °C تا +7 °C
- پایداری دمای تنظیم شده خروجی گاز ± 0.1 °C
- دو خروجی رله آلارم اعلام وضعیت آماده بکار
- PID کنترلر الکترونیکی با نمایشگر دیجیتالی دما
- دمای محیط کار 0...+50 °C
- زمان راه اندازی کمتر از ۱۵ دقیقه و پایداری ۲ ساعت
- بدنه دیواری و راک استاندارد ۱۹ اینچ
- مدل ویژه جهت دمای نقطه شبنم گاز خروجی -40°C

Product Information:

Sample outlet dew point	Range of adjustment: +2 °C..... +7 °C, factory setting: +5 °C
Dew point stability	at const. conditions: $< \pm 0.1$ °C
Sample inlet temperature	max. +180°C
Ambient temperature	0 to +50°C
Storage temperature	-20 to +70°C
Total cooling capacity	Min 40W at 10°C ... 50°C ambient temperature
Ready for working	< 15 min) stability time at constant process condition > 120 mins)
Power consumption	max. 200VA (startup current at 230V=2,5A; at 120V=4,5A)
Main power connection	240V/120V, 50Hz/60Hz (a): -15%/+10%
Electrical connections	terminals: 6-12mm, cable gland: 2xPG11
Status alarm	1 free configurable status alarm with 2 potential free change-over contacts, alarm point: < 2°C and > 8°C contact rating 250VAC, 2A; 500 VA; 50W
System of protection	IP20
Case color	white
Method of mounting	wall mounting / 19" Rackmount
Dimensions Weight	360 x 270 x 350 mm (WxHxD) 12kg (version: 230V/115V) 483 x 270 x 350 mm (WxHxD) 17,5kg (version: 230V/115V) 19" Rackmount
Signal Output	Modbus 485 to AIEQS HMI and customer HMI

کاربردها:

- نصب در سیستم های آنالایزر بر خط گاز
- در کلیه صنایع
- کلیه سیستمهای آنالایزر بر خط گاز
- خشک کن هوای ابزار دقیق در نقطه مصرف

Applications:

- Suitable to install in gas analyzer system of Cement, Steel plants
- For all gas analyzer system
- Instrument air drier at the using point



Technical Information for CCA

1 How to Order

CCA 992C

-□1

Note 1: Select with or without heat exchanger

0 (without heat exchanger)
1 (with heat exchanger)

-□2

Note 2: Choose Material of heat exchanger

0 (None)
G (Duran Glass)
S (SS316)
P (PTFE / PVDF)

-□3

Note 3: Select the number of heat exchanger

1/2 (Note 6)

-□4

Note 4: Choose Gas flow per each heat exchanger
1=150 NI/hr
2=250 NI/hr

-□5

Note 5: Select with or without pump SR25 or auto trap

0 (None)
1 (SR25 Pump)
2 (Auto Trap)

Examples:

992C1S211: CCA 992C gas cooler with 2×150 NI/hr SS heat exchanger with SR 25 per each +exchanger
992C00120: CCA 992C gas cooler without heat exchanger without drain option prepared for one 250 NI/hr heat exchanger

Note 6: max two heat exchangers of 150 NI/hr and only one heat exchangers of 250 NI/hr is install in this type gas cooler.

2 Condensate Removal Options



**Peristaltic pump SR25.2
1501P1300 (Optional)**

Peristaltic pump SR25.2, for panel mounting Wall thickness max. 1,5mm capacity of 0,30 l/hr, pressure range 200mbar up to 2,2bar abs. Material: Novopren, PVDF, connections for tube DN 4/6mm, power: 115/230V, 50/60Hz.



**Automatic condensate trap
1509K3000 (optional)**

Automatic condensate trap with float type AD-SS.
Condensate-IN: 1/2"NPTi, Condensate-OUT: 1/2"NPTi.
Material: stainl. steel.

**Other Technical Specification and other Enclosure
Dimensions acceptable on order.**

توجه : مشخصات فنی دستگاه با توجه به نیاز مشتری با هر ابعاد بدنه و توان برودتی و هر تعداد مبدل در زمان سفارش مورد قبول است.

3 CCA Part No Technical Information



GL

- Jet-stream heat exchanger for cooler
- Material: Duran glass
- Stagnant space approx 40-100ml
- Sample gas pressure abs. Max. 2bar
- Made in GERMANY

1593K0140 1 Stream 250NI/h
1597K0100 2 Stream 150NI/h



PV

- Jet-stream heat exchanger for cooler
- Material: PVDF
- Stagnant space approx 40-100ml
- Sample gas pressure abs. Max. 3bar
- Made in GERMANY

1593K0170 1 Stream 250NI/h
1597K0110 2 Stream 150NI/h



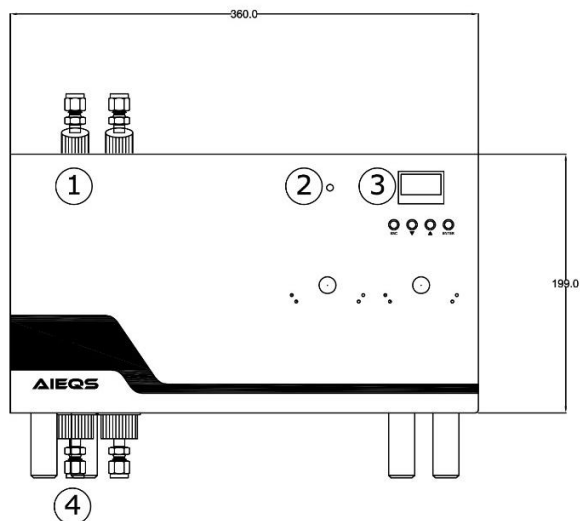
SS

- Jet-stream heat exchanger for cooler
- Material: ss316
- Stagnant space approx 40-100ml
- Sample gas pressure abs. Max. 6barg
- Made in IRAN

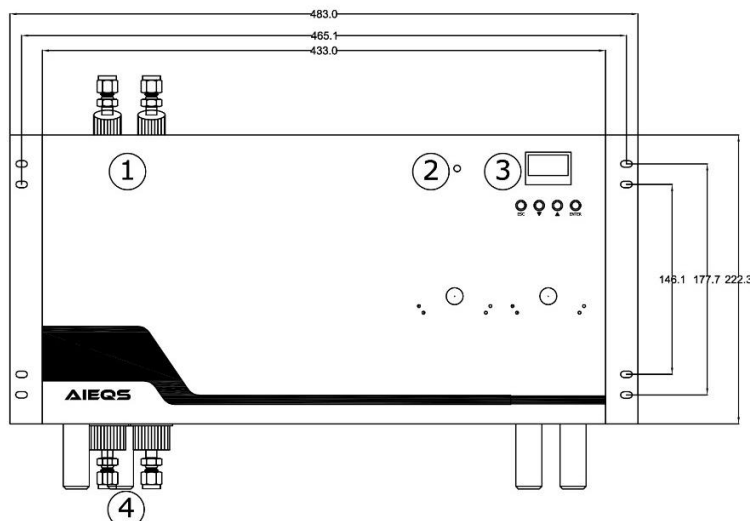
9910C1250 1 Stream 250NI/h
9910C2150 2 Stream 150NI/h



4 Dimensions

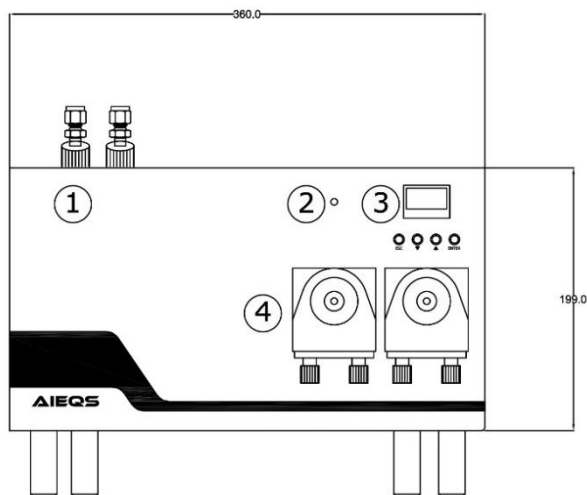


- (1) Sample Gas Inlet / Outlet
- (2) Status LED (compressor works OK)
- (3) PID Controller Digital Display
- (4) Condensate Outlet

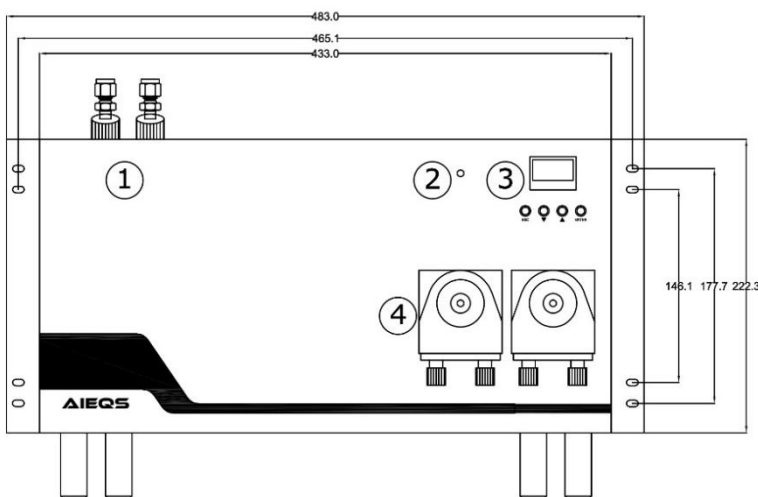


FRONT VIEW

- (1) ورودی و خروجی گاز نمونه
- (2) LED نشانگر کارکرد کمپرسور
- (3) PID کنترلر و نمایشگر دما
- (4) خروجی آب از مبدل



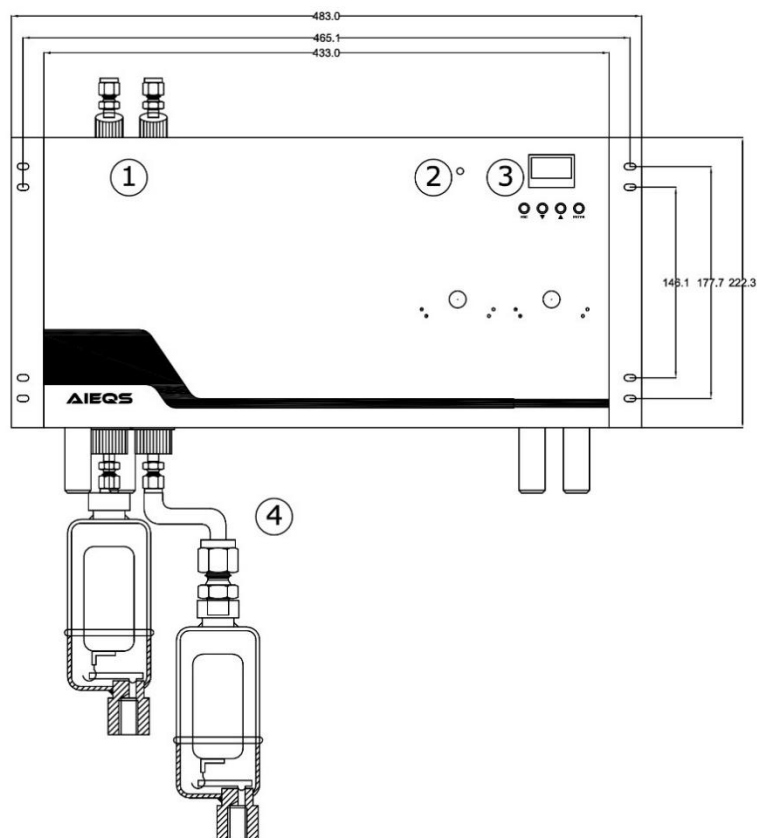
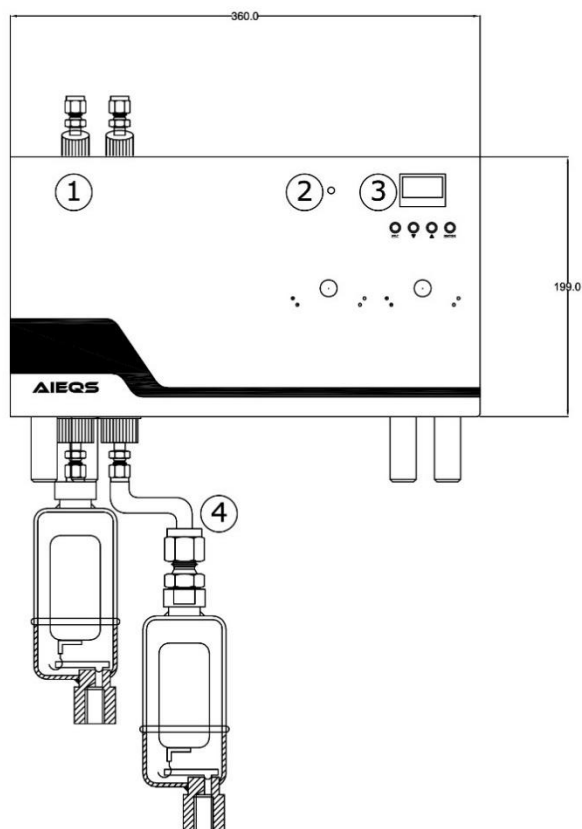
- (1) Sample Gas Inlet / Outlet
- (2) Status LED (compressor works OK)
- (3) PID Controller Digital Display
- (4) SR25.2 Peristaltic Pumps



FRONT VIEW

- (1) ورودی و خروجی گاز نمونه
- (2) LED نشانگر کارکرد کمپرسور
- (3) PID کنترلر و نمایشگر دما
- (4) پمپ های SR25.2 جهت مکش آب از خروجی مبدل

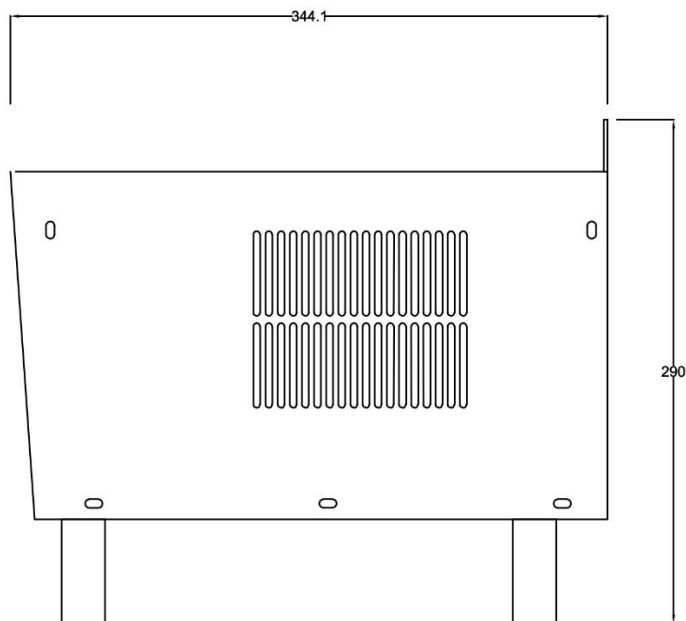




FRONT VIEW

- (1) Sample Gas Inlet / Outlet
- (2) Status LED (compressor works OK)
- (3) PID Controller Digital Display
- (4) Auto Condensate Trap Outlet

- (1) ورودی و خروجی گاز نمونه
- (2) LED نشانگر کارکرد کمپرسور
- (3) PID کنترلر و نمایشگر دما
- (4) اتو ترپ برای خروجی آب از مبدل



SIDE VIEW

