



## Compressor Gas Cooler CCA series

مدل یک و دو و چهار مبدله

۱۵۰ و ۲۵۰ لیتر بر ساعت

استیل، شیشه، تفلون

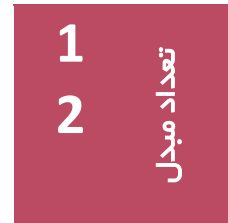
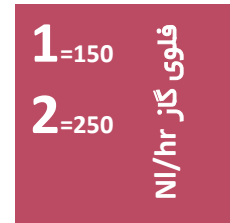
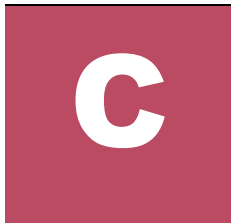
CCA-xxx1

CCA-xxx2

CCA-xxx4

دستگاه خنک کننده نمونه گاز

سیستم آنالایزر آنلاین گاز



مبدل استیل مناسب جهت فلوی ۲۵۰ لیتر بر ساعت  
کانکشن ورودی لوله ۱/۴ اینچ  
خروجی بوشن ۳/۸ اینچ

Jet Stream Heat Exchanger 250 NI/hr  
Gas In/OUT: 1/4" SS tube – Drain : 3/8: FNTF



PN:9910C1250

مثال : CCA-SS12 (کولر دو مبدله استیل هر مبدل ۱۵۰ لیتر بر ساعت)

PN: 9910C9100

PN: 9910C9200

PN: 9910C9400



PN:9910C2150

مبدل استیل مناسب جهت فلوی ۱۵۰ لیتر بر ساعت  
کانکشن ورودی لوله ۱/۴ اینچ  
خروجی بوشن ۳/۸ اینچ

Jet Stream Heat Exchanger 150 NI/hr  
Gas In/OUT: 1/4" SS tube – Drain : 3/8: FNTF

330x330x400 mm

17.5 Kg

Power : 220 VAC

- ✓ دمای محیط کار : 5-45 °C
- ✓ مدت زمان راه اندازی : کمتر از ۱۰ دقیقه
- ✓ ابعاد و اندازه : ۳۳۰x۳۳۰x۴۰۰ میلی متر
- ✓ وزن دستگاه : ۵.۱۷ کیلو گرم
- ✓ برق مصرفی : ۲۲۰ ولت شهری



یک عدد خمیر انتقال  
حرارت ۲۵ گرمی



سه عدد فیوز 4A



یک عدد کابل برق



شابلون نصب و  
سوراخکاری



CD فایل دفترچه راهنما



دفترچه راهنما



- ✓ مبدلهای حرارتی مطابق با نیاز
- ✓ دو عدد کانکتور جهت ورودی و خروجی 1/4" SS 316 Union-Union (در صورت سفارش مبدل استیل)
- ✓ یک عدد تبدیل 3/8" - 1/4" جهت خروجی مبدل های استیل (در صورت سفارش مبدل استیل)
- ✓ پمپ پری استالتیک مکش آب یا Auto Drain



## Technical Information For CCA

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### HOW TO ORDER

#### CCA-□<sup>1</sup>

**Note 1:** Heat Exchanger Materials Details in section 2

#### -□<sup>2</sup>

**Note 2:** gas flow rate of each Heat exchanger 1 = 150 NI/hr / 2= 250 NI/hr

#### □<sup>3</sup>

**Note 3:** last place is Number of Heat Exchangers 1/2/4

**Example1:** Gas cooler with 2 heat exchangers 150 NI/hr out of PVDF

#### CCA-PV12

gas flow: 1 = 150 NI/hr / 2= 250 NI/hr

No. of heat exchangers(1/2/4)

**Example2:** Gas cooler with 4 heat exchangers 250 NI/hr out of SS-316

#### CCA-SS24

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### Heat Exchanger Materials and Codes



GL: Duran Glass (imported) Borosilicate glass

## GL



PV: PVDF (manufactured by Arka Behbood Farayand) also similar Dimension of existing heat changer by order.

## PV



SS: SS 316 (manufactured by Arka Behbood Farayand) also similar Dimension of existing GL and PV heat changer by order

## SS

1593K0140 , #1 Stream 250NI/h  
1597K0100 , #2 Streams 150NI/h  
1502K9100 , #4 Streams 250NI/h

1593K0170 , #1 Stream 250NI/h  
1597K0110 , #2 Streams 150NI/h  
1502K9300 , #4 Streams 250NI/h

9910C1250 , #1 Stream 250NI/h  
9910C2150 , #2 Streams 150NI/h  
9910C4250 , #4 Streams 250NI/h

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### CCA Part No Technical Information

#### مشخصات فنی کولر تک میبدله

#### 9910C9100<sup>4</sup>

Compressor gas cooler type CCA-xxx1. In panel version. depth of housing: 400mm. Prepared for one Jet-stream heat exchanger with 250NI/h. electronical controlled at +5°C, high/low temperature alarm range and sample outlet dew point adjustable by incorporated electronic controller, temperature adjusted at +5°C, with 1 changeover contact, Thermometer with digital display: -10/+50°C. Power: 230V/50Hz.

Note 4: Part No 9910C9101 is similar to 9910C9100 with Power: 115V/50Hz.

#### مشخصات فنی کولر دو میبدله

#### 9910C9200<sup>5</sup>

Compressor gas cooler type CCA-xxx2. In panel version. depth of housing: 400mm. Prepared for two Jet-stream heat exchanger with 150NI/h. electronical controlled at +5°C, high/low temperature alarm range and sample outlet dew point adjustable by incorporated electronic controller, temperature adjusted at +5°C, with 1 changeover contact, Thermometer with digital display: -10/+50°C. Power: 230V/50Hz.

Note 5: Part No 9910C9201 is similar to 9910C9200 with Power: 115V/50Hz.

#### مشخصات فنی کولر چهار میبدله

#### 9910C9400<sup>6</sup>

Compressor gas cooler type CCA-xxx4. In panel version. depth of housing: 400mm. Prepared for four Jet-stream heat exchanger with 250NI/h. electronical controlled at +5°C, high/low temperature alarm range and sample outlet dew point adjustable 3temperature adjusted at +5°C, with 1 changeover contact, Thermometer with digital display: -10/+50°C. Power: 230V/50Hz.

Note 6: Part No 9910C9401 is similar to 9910C9400 with Power: 115V/50Hz.

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### Heat Exchanger Part No Technical Information

#### 9910C1250 , #1 stream

Jet stream heat exchanger for cooler type CCA-xxx1, material SS316, Connections: sample gas ¼" tube condensate 3/8"G. 250NI/h Manufacturer: Arka Behbood Farayand , Made in IRAN

Stagnant space approx. 100 ml

Sample gas pressure abs. max. 10 bar

#### 9910C2150 , #2 streams

Jet stream heat exchanger for cooler type CCA-xxx2, material SS316, Connections: sample gas ¼" tube condensate 3/8"G. 150NI/h Manufacturer: Arka Behbood Farayand , Made in IRAN

Stagnant space approx. 40 ml

Sample gas pressure abs. max. 10 bar

#### 9910C4250 , #4 streams

Jet stream heat exchanger for cooler type CCA-xxx4, material SS316, Connections: sample gas ¼" tube condensate 3/8"G. 250NI/h Manufacturer: Arka Behbood Farayand , Made in IRAN

Stagnant space approx. 70 ml

Sample gas pressure abs. max. 10 bar



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**Other Heat Exchanger Part No Technical Information**

**1593K0140 , #1 stream , GL**

Jet-stream heat exchanger for cooler type CCA-xxx1, Material: Duran glass. Connections: sample gas GL18-6mm, condensate GL25-12mm. 250NI/h. Manufacturer: M&C , Made in Germany Stagnant space approx. 100 ml Sample gas pressure abs. max. 2 bar

**1597K0100 , #2 stream , GL**

Jet stream heat exchanger, type CCA-xxx2, material Duran glass, connections: sample gas GL18-6/6mm, condensate GL25-12mm. 150NI/h Manufacturer: M&C , Made in Germany Stagnant space approx. 40 ml Sample gas pressure abs. max. 2 bar

**1502K9100 , #4 streams , GL**

Jet-stream heat exchanger type CCA-xxx4. Material: Duran-glass. Connections: Sample gas: 2x GL18-6mm, Condensate: 1x GL25-12mm 250NI/h Manufacturer: M&C , Made in Germany Stagnant space approx. 70 ml Sample gas pressure abs. max. 2 bar

**1593K0170 , #1 stream , PV**

Jet-stream heat exchanger for cooler type CCA-xxx1. Material: PVDF. Connections: sample gas G1/4"i, condensate G3/8"i.. 250NI/h Manufacturer: M&C , Made in Germany Stagnant space approx. 100 ml Sample gas pressure abs. max. 3 bar

**1597K0110 , #2 stream , PV**

Jet stream heat exchanger, type CCA-xxx2, material PVDF, connections: sample gas 6mm condensate G3/8"i. 250NI/h : M&C , Made in Germany Stagnant space approx. 40 ml Sample gas pressure abs. max. 3 bar

**1502K9300 , #4 streams , PV**

Jet-stream heat exchanger type CCA-xxx4. Material: PVDF. Connections: sample gas: 2x G1/4"i, condensate: 1x G3/8"i. 250NI/h Manufacturer: M&C , Made in Germany Stagnant space approx. 70 ml Sample gas pressure abs. max. 3 bar

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**CCA additional Technical Data**

- Sample outlet dew point Dew point stability**
- Sample inlet temperature**
- Ambient temperature**
- Storage temperature**
- Total cooling capacity**
- Ready for working**
- Power consumption**
- Main power connection**
- Electrical connections**
- Status alarm**
- System of protection**
- Case color**
- Method of mounting**
- Dimensions Weight**

Range of adjustment: +2 °C..... +7 °C, factory setting: +5 °C at const. conditions: < ±0,1°C  
 max. +180°C  
 0 to +50°C  
 -20 to +70°C  
 Min 40W at 10°C ... 50°C ambient temperature  
 < 15 min (stability time at constant process condition > 120 mins)  
 max. 200VA (start up current at 230V=2,5A; at 120V=4,5A)  
 240V/120V, 50Hz/60Hz (a):-15%/+10%  
 terminals: 6-12mm , cable gland: 2xPG11  
 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  
 IP20  
 white  
 wall mounting  
 310 x 270 x 450 mm (WxHxD) 12kg/17,5kg (version: 230V/115V)

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**Condensate Removal Options**



**Peristaltic pump SR25.2  
1501P1300**

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.

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



**Automatic condensate trap  
1509K3000**

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

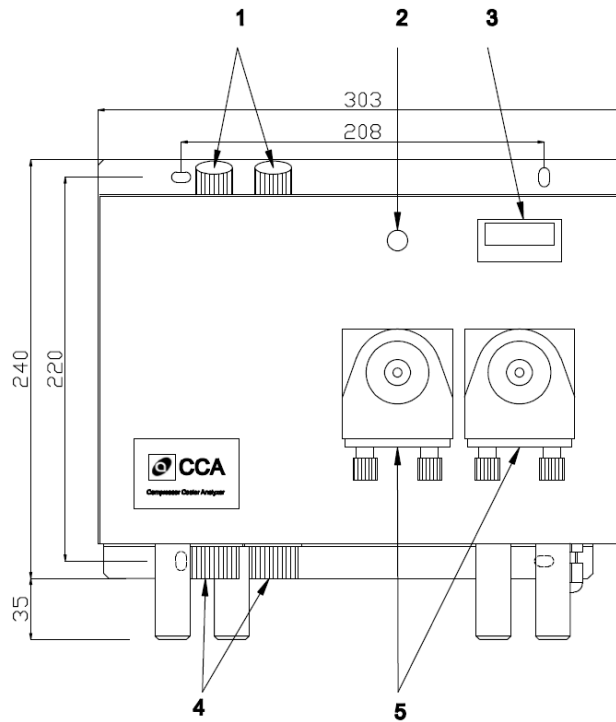
**توجه : مشخصات فنی دستگاه با توجه به نیاز مشتری با هر ابعاد بدنه و توان برودتی و هر تعداد مبدل در زمان سفارش مورد قبول است.**



## Dimensions

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### Front View



- (1) sample gas inlet / outlet
- (2) status LED ( compressor works OK)
- (3) PID controller
- (4) Condensate outlet
- (5) SR25.2 peristaltic pumps (if ordered)

- (۱) ورودی و خروجی گاز sample
- (۲) LED نشانگر کارکرد کمپرسور
- (۳) PID کنترلر
- (۴) خروجی آب از مبدل
- (۵) پمپ های SR25.2 جهت مکش آب از خروجی مبدل

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### Side View

