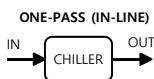
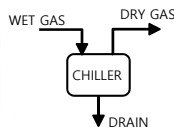
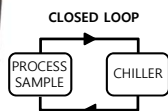


# Chiller (for Liquid/Gas) unit



## DESCRIPTIONS: CHILLER FOR LIQUID

The Chiller for liquid unit is divided by two type as in-line type and circulating type. The in-line type which is flow the sample to chiller in/out port has advantage as like due to compact size, able to integrate to the system directly.

The circulating type which is the coolant pumping circulation by heat exchange can be used indoor and outdoor and can be control the fluid temperature steadily and efficiently and also it can be applied to various analyzer depending on analyzers and capacity.

## DESCRIPTIONS: CHILLER FOR GAS

The Chiller for gas unit is used to lower the dew point of humid gas to avoid condensate entering into the gas analyzer. This compressor(down below the dew point) cooler has been designed with a powerful dew point stabilizer. The dew point is set at 5°C. A good and stable gas dew point avoids cross-interference if the analyzer is sensitive to H2O. The cooler incorporates a housing suitable for wall-mounting as standard. The exchangers can be connected in series or parallel following customer requirements. Condensate is removed either into condensate vessels or by automatic condensate drainers which can be attached to the heat exchangers within the cooler's outer contour. Also peristaltic pump can be used as needed.

## MODEL IDENTIFICATION

Characteristics	Units	CHILLER (For Gas)		CHILLER (For Liquid)			
		WC0.1	WC0.5	WC0.7	WC1.0	WC4.0	
Schematic	-						
Capacity @ outlet Temp. 32°C Ambient	W	150 @ 5°C	40 @ -25°C	150 @ -30°C	540 @ 5°C	1,220 @ -30°C	4,200 @ 10°C (**)
	Flow rate	2~4 NL/m	2~4 NL/m	0.3~0.6 L/m	0.3~0.6 L/m	0.3~0.6 L/m	1.2~2.4 L/m
Outlet temp. range	°C	+2 to +7	-30 to -20	-45 to -5	-25 to +15	-45 to +15	-15 to +20
Ambient temperature	°C	-10 to +55 (*)		-10 to +55		-30 to +55	
Application	-	Gases	Ultra low (SO3)	Ultra low (CFPP)	Liquid	Ultra low (CFPP)	Liquid
Power consumption	W	90	42	172	330	700	1,700
Power Input	V/P/F	100~240VAC / 1Ph / 50-60Hz * 12~24VDC available		100~240VAC / 1Ph / 50-60Hz * 12~24VDC available		220~460VAC / 1-3Ph / 50-60Hz	
No. of heat exchanger	-	1 (STD), Max. 4	1 (STD), Max. 3	1		1	common use the several equipment
Refrigerant	-	R134a		R404a	R134a	R404a	R134a, R404a
Dimensions (H x D x W)	Type (mm)	a1 (430 x 350 x 460)		a2 (430 x 350 x 460)		b (1,300 x 1,000 x 700)	
Method of mounting	-	Wall or 19" Rack		Wall		Free standing or Wall	

(\*) The ambient temperature should consider the dew freezing point of sample.

(\*\*) Rated at R134a (in case of R404a is 180%).

1. Actual capacity may different depending on running condition.
2. Specifications are subject to change without notice.

## ORDERING INFORMATION

WC	XX	XXX	X	X	X
Cooling Capacity		Volt-Ph-Hz	Classification	Mounting	Options
0.1 ~4 KW		2: 1(2)xxV, 4: 3(4)xxV	0: None	F: Free standing	
*see the table		1: 1Ph., 3: 3Ph.	H: Zone1, IIB+H2	W: Wall mount	
		6: 60Hz, 5: 50Hz	C: Zone1, IIC	19: 19" Rack	
		001: 12~24VDC			

\* Other specifications by request



TECHNOLOGY



DESIGN



SIMULATION



PRODUCTION & COMPLETION



SERVICE & PROCESS

## Ex APPROVAL



IECEX : IECEX DEK 17.0052X - Pending...  
II 2G Ex IIB / IIB+H2 / IIC T3 Gb



ATEX : DERKA 17ATEX0115X - Pending...  
II 2G Ex IIB / IIB+H2 / IIC T3 Gb

## Chiller (for Liquid/Gas) unit Well-VAC™ WC Series

### APPLICATIONS:

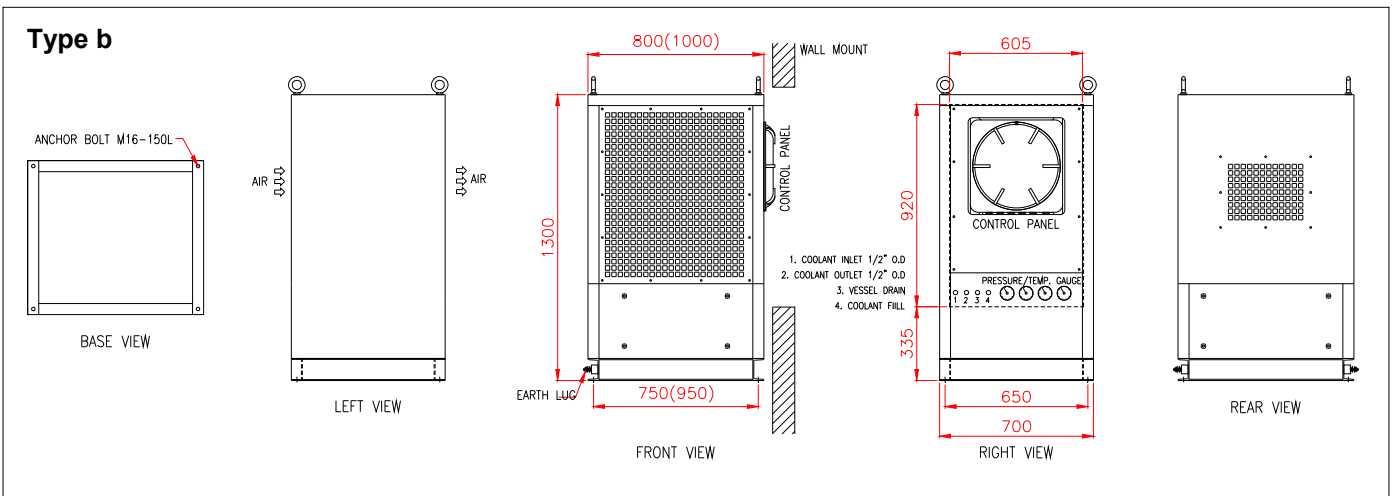
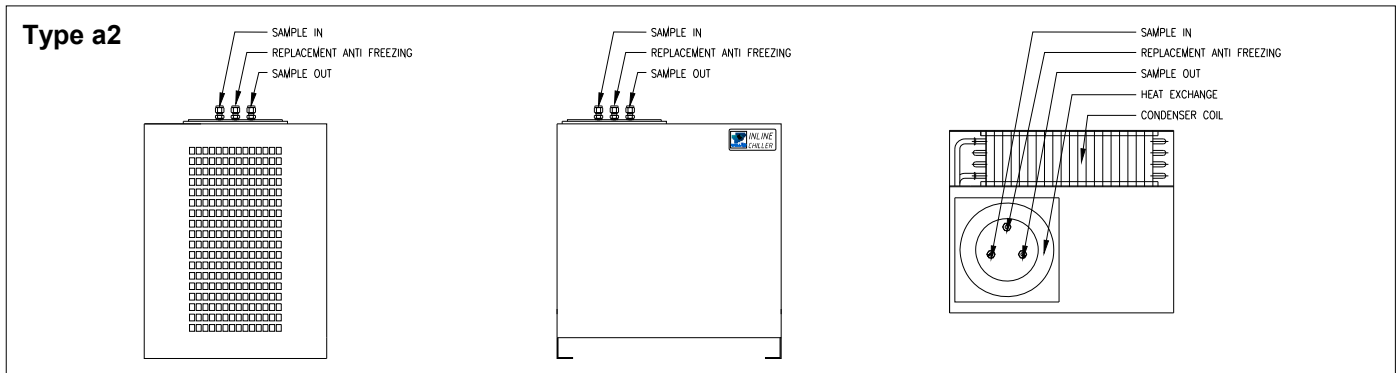
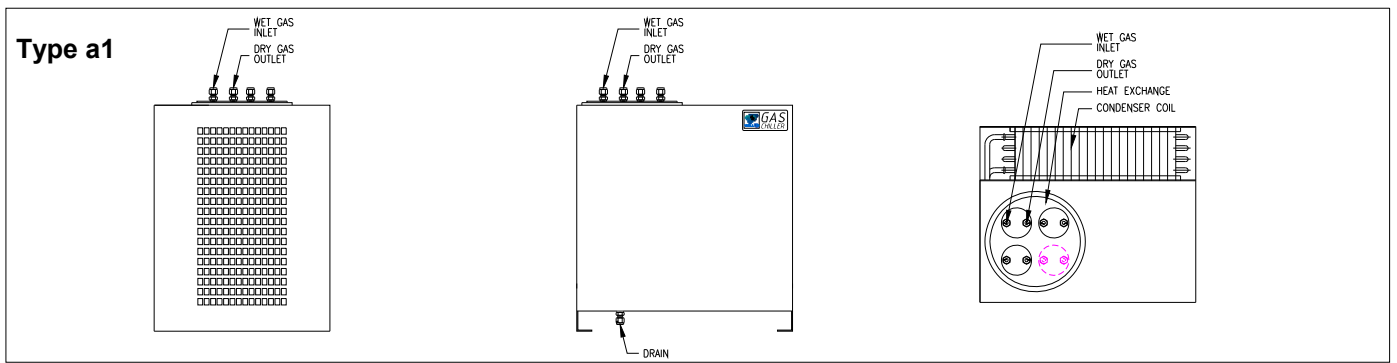
The WC series Chiller (for Liquid/Gas) unit is designed and constructed for use in explosive atmospheres (Zone 1, Zone 2) within the onshore, offshore, marine and petrochemical industries. This unit designed for liquid or gas, and detailed specification is specified in type characteristics.

All of our products are manufactured using an ISO 9001 accredited quality management system, high quality, industry leading components and cased in stainless steel to provide our clients with a high quality, corrosion resistant, safe and reliable product with a long service life.

This IECEX / ATEX compliant unit is primarily designed to provide cooling to a process gas/liquid with no specialist refrigerant piping required and pre-charged for immediate operation.

- Non-Ozone Depleting Refrigerant
- Wide range of voltage and frequencies available
- Free standing and Wall mount both available

## DIMENSIONS AND APPLICATION



### APPLICATION DATA SHEET

\* Other specifications by request

#### Application Data (Chiller for Gas)

Flow rate: \_\_\_\_\_ NI/min  
 Process temperature: \_\_\_\_\_ °C  
 Heat Exchanger Material:  
 Stainless steel    PVDF  
 Number of heat exchanger (Optional)  
 1    2    3    4  
 Condensate discharge (Optional):  
 Without    AK20 assembled  
 11LD assembled    Peristaltic pump

#### Application Data (Chiller for Liquid)

Flow rate: \_\_\_\_\_ l/min  
 Inlet temperature \_\_\_\_\_ °C  
 Required outlet temperature \_\_\_\_\_ °C