



ULVAC CRYOGENICS INC.

COMBINATION OF CRYOPUMP AND COMPRESSOR UNIT
(Number of cryopumps which can operate with one compressor.)

Cryopump	Compressor			
	C10	C15R	C30VR	C30MVR
U6H	1			3
U8H U8H-U	1			3
U10PU		1		2
U12H			1	
U16			1	
U16P			1	
U20P			1	
U22H			Use 2 Compressors	
TORR8	1			3
TORR10			1	

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ULVAC CRYOGENICS INC.

COMPRESSOR UNIT C10



SPECIFICATIONS

requirements

(ACV \times ϕ \times Hz)200x3x50

220x3x60Power

(Nomal)

(kW)1.5/1.7

(50/60Hz)Cooling water

requirement

(L/min)

(20degrees)2Weight

(kg)69*Replacement the

absorber: every 24,000 hours

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ULVAC CRYOGENICS INC.

COMPRESSOR UNIT C30VR



- SPECIFICATIONS
Electrical requirements
(ACV \times Φ \times Hz)200 \times 3 \times 50
220 \times 3 \times 60Power
(Nomal)
(kW)5.0/6.0Cooling water
requirement
(L/min)
(20degrees)5.5Weight
(kg)135*Replacement the
absorber: every 24,000 hours

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ULVAC CRYOGENICS INC.

COMPRESSOR UNIT C30MVR



- SPECIFICATIONS
Electrical requirements
(ACV \times ϕ \times Hz)200 \times 3 \times 50
220 \times 3 \times 60Power
(Nomal)
(kW)5.0/6.0Cooling water
requirement
(L/min)
(20degrees)5.5Weight
(kg)135*Replacement the
absorber: every 24,000 hours
*C30MVR Compressor
operate with 2 or 3 cryopumps.

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ACCESSORIES THE RBH BAND HEATER

The RBH can minimize warm up time, promote water evaporation
And shorten roughing time. By using the RBH band heater,
regeneration can be performed effectively and completely.
Installation in the cryopump is easily done, even in a narrow space.



Type	Cryopump	Outside Dimension (mm)	Current (Amp.)		Fuse (A)
			Max	Nomal	
RBH-6	U6H	170x490	1.3	0.2	5
RBH-8	U8H	170x650	1.5	0.4	5
	U8H-U				
	CT-8				
RBH10	U10PU	170x850	2.7	0.4	5
RBH12	U12H	190x930	2.9	0.6	5
	CT-10				
RBH16	U16	260x1,270	5.0	0.9	10
	U16P				
RBH20	U20P	260x1,655	7.5	1.5	10
RBH22	U22H	320x1,900	11.5	2.0	20
RBH30	U30H	320x2,500	14.6	2.7	30

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DS-1 DIODE SENSOR



Measurement range	10K~320K
Accuracy	$\pm 0.5K$ at 20K $\pm 0.025 \times T(K)$ at another temperature
Sensitivity	Larger than 20mV/K at 17K or below 2.7mV/K above 20K

DI-1 DIODE INDICATOR



Temperature range	10K~320K(analog indication)
Accuracy of indication	$\pm(2.5K + 2.5\%$ of meter reading)
Electrical requirements	AC100V, 0.1A, 50/60Hz
Temperature set points	High and low temperature set points, adjustable range from 10 to 320K

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