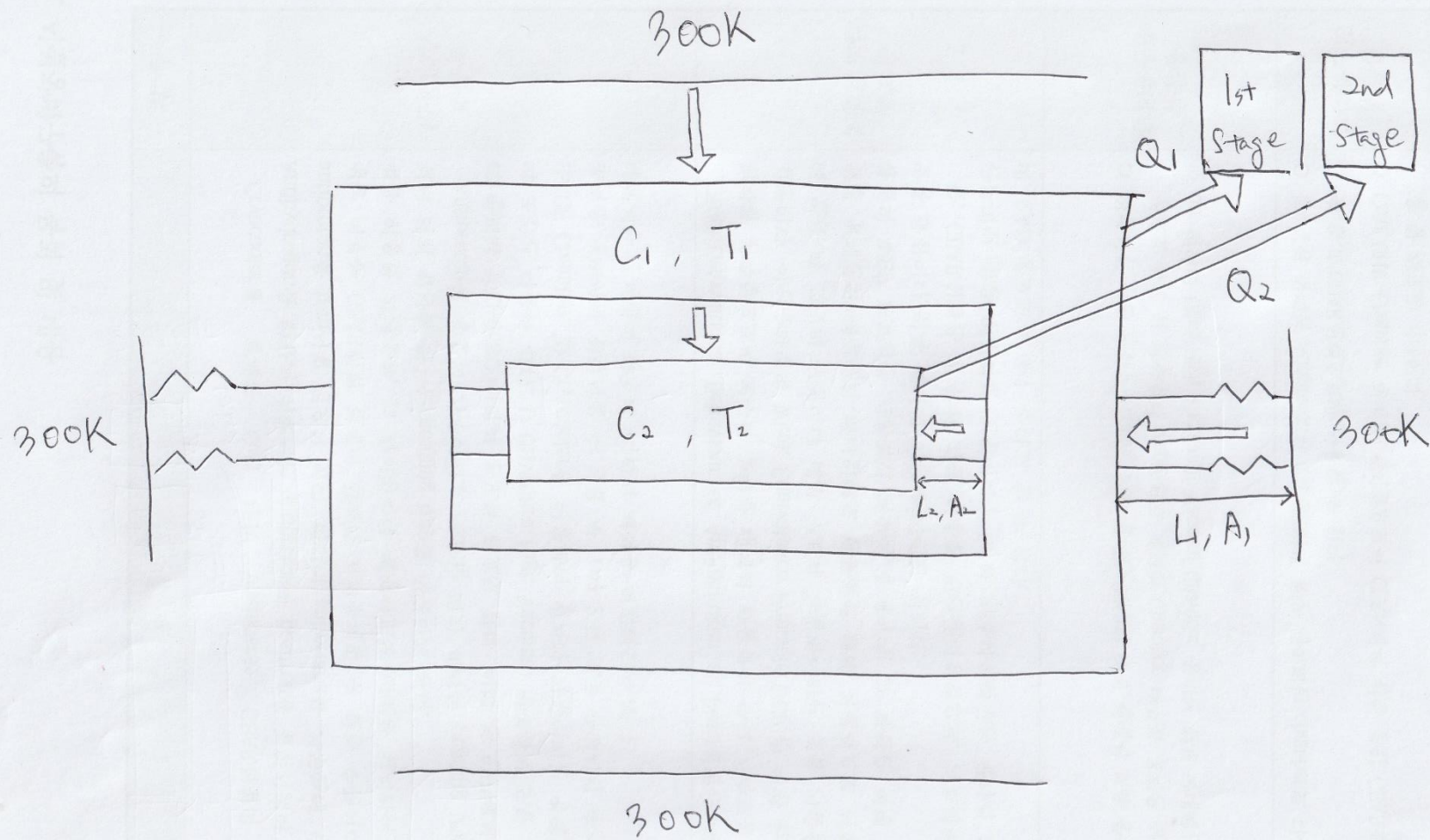


GBAR Trap Meeting

Seoul National University

29.Mar.2019



$$C_1 dT_1 = \left[\frac{k A_1 (300 - T_1)}{L_1} + 6 S_1 E_1 (300^4 - T_1^4) - Q_1(T_1, T_2) \right] dt$$

$$C_2 dT_2 = \left[\frac{k A_2 (T_1 - T_2)}{L_2} + 6 S_2 E_2 (T_1^4 - T_2^4) - Q_2(T_1, T_2) \right] dt.$$

		$= 0.50 \text{ J/g}\cdot\text{K}$		
베리얼도	비열	$0.12 \text{ cal/g}\cdot\text{K}$	알코	8.96 g/cm^3
구리	비열	$0.092 \text{ cal/g}\cdot\text{K}$	알코	11.93 g/cm^3
		$= 0.38$		

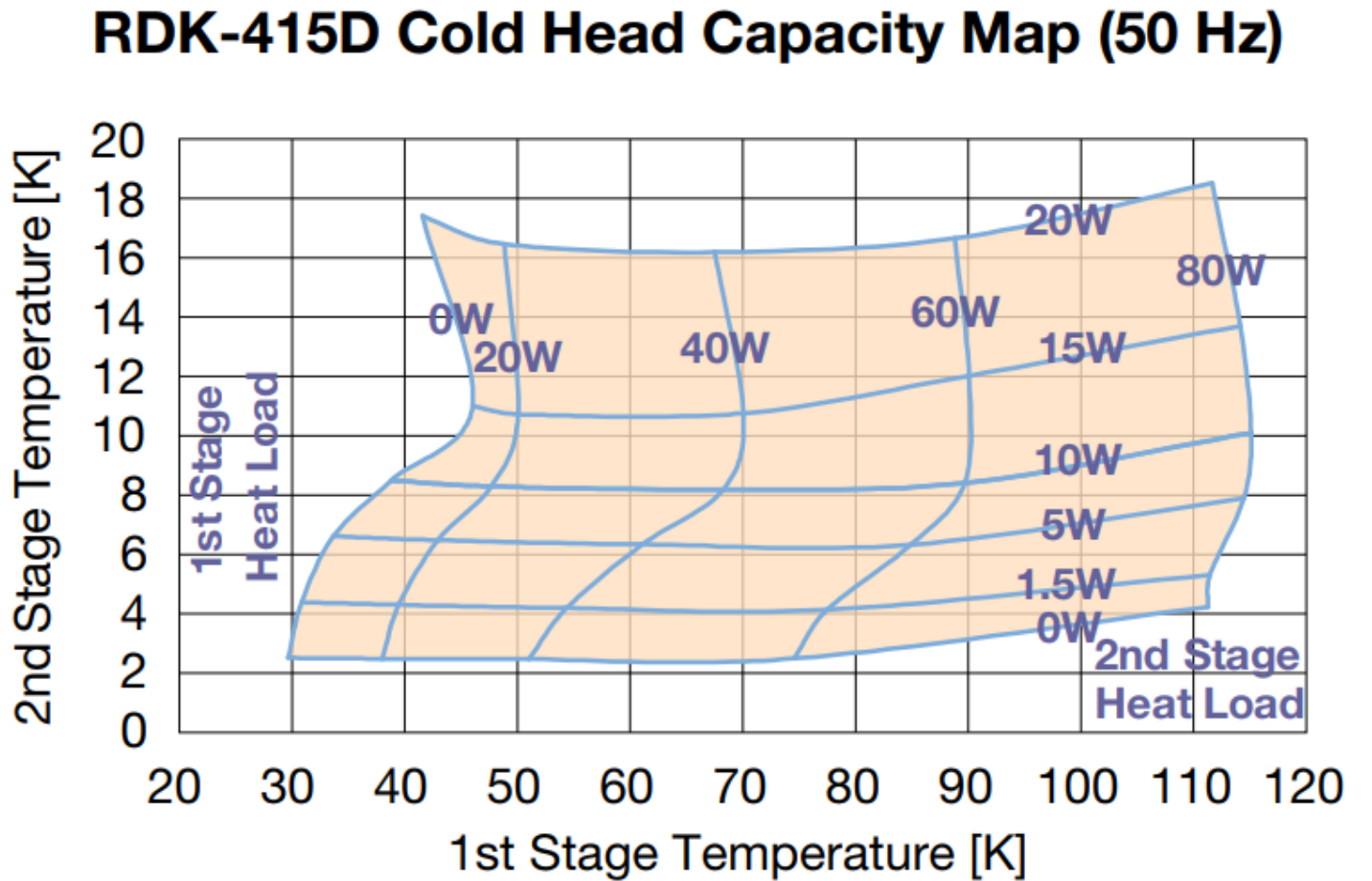
총 열용량: $c_p V = 0.50 \times 8.96 \times 1978.45 = 8869.45$

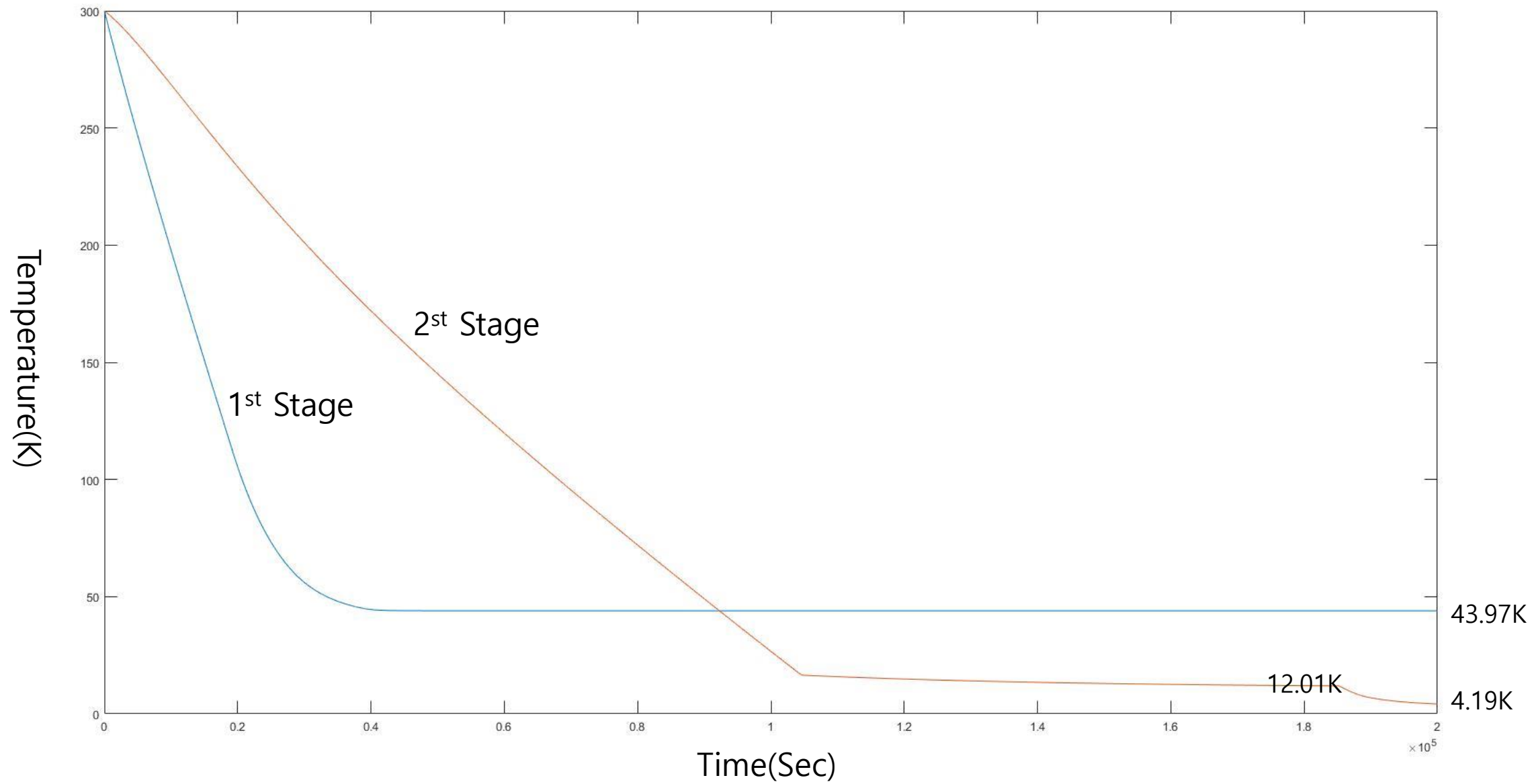
shield.

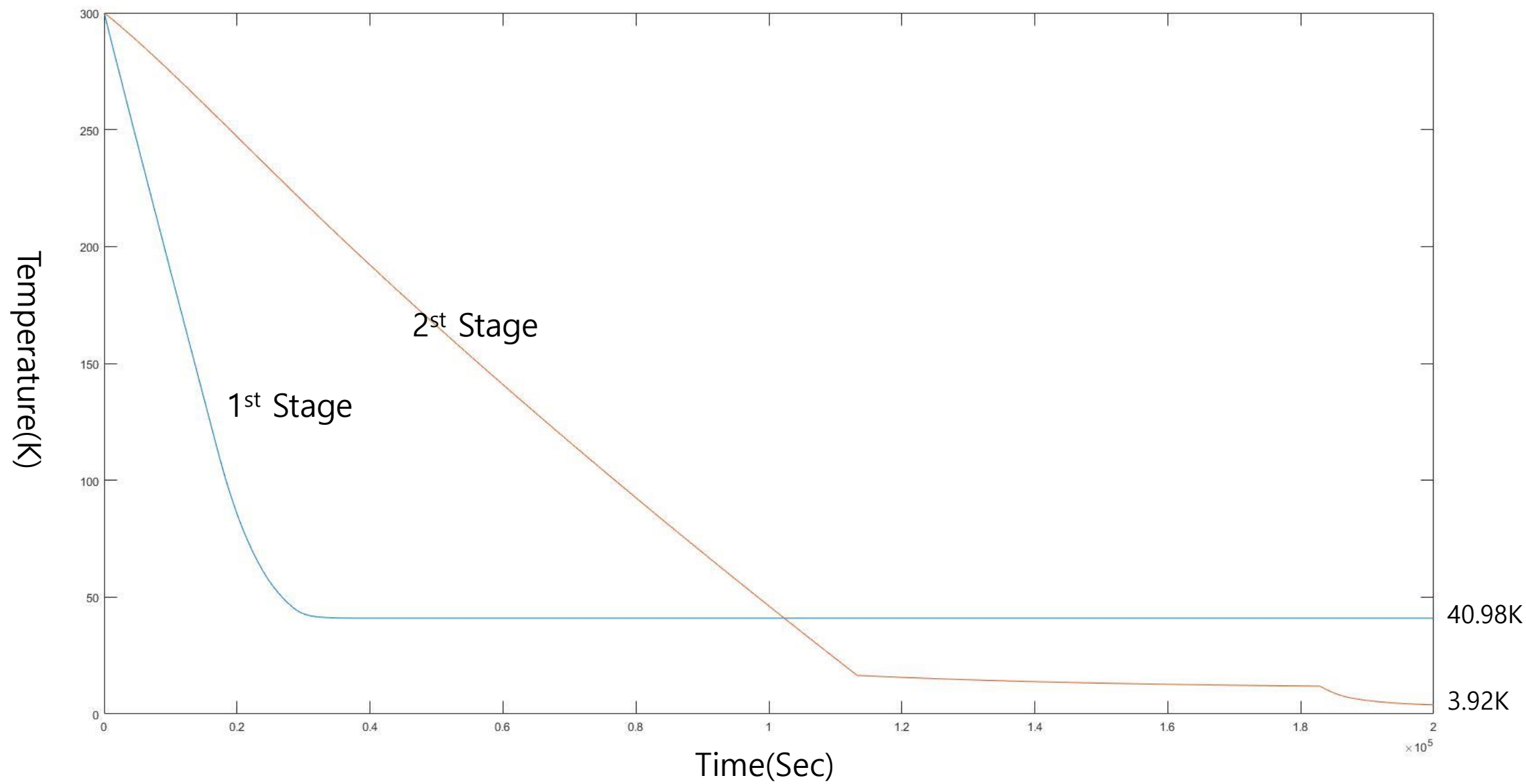
$$c_p V = 7079.71$$

Cu Cylinder Length

- Cooling Simulation







Pump

No.	Descriptions		Q'ty	Unit Price	Total
1.	HiPace 300 H with TC110 set(DN 100 CF)				
	Consist of ;				
	- HiPace 300 H with TC110(DN 100 CF)	PT 448 250-T	1 ea	₩10,450,000	₩10,450,000
	- DCU 180, Display control unit	PM C01 821	1 ea	₩1,485,000	₩1,485,000
	- Connection cable, 3m	PM 061 351-T	1 ea	₩220,000	₩220,000
	- Main power cable	P 4564 309 ZA	1 ea	₩0	₩0
	- Air cooling kit	PM Z01 301 A	1 ea	₩297,000	₩297,000
	- Protection screen	PM 016 336	1 ea	₩198,000	₩198,000
Amount :					₩12,650,000
					(V.A.T 포함)

Item No.	부 품 번 호 Part Number	품 명 Description	수 량 Q'ty	단 가 Unit	금 액 Amount	비 고 Remarks
1	SH01101UNIV	SH110 Dry Scroll pump - 110L/min pumping speed	1	5,450,000	5,450,000	
		소 계			5,450,000	
		부 가 세			545,000	
		총 계(VAT 포함)			5,995,000	

Thank You!