

START-UP N2 COOLER		
	SHELL	TUBE
DES./OPER.TEMP	°C	275/230; 43
DES./OPER.PRESS	kg/cm <sup>2</sup> G	8/3.55
INSULATION/THICK.	mm	PP/70
MATERIAL	CS	CS
DIMENSION (ID SHELLxL)	mm	750x2500
SURFACE AREA	m <sup>2</sup>	196

173-JD		
START-UP N2 SEPARATOR		
DES./OPER.TEMP	°C	80/43
DES./OPER.PRESS	kg/cm2G	8/3.5
INSULATION/THICK	mm	NA
MATERIAL	CS	
DIMENSION (ID SHELLxL)	mm	1900x2450
VOLUME	m3	8.7

175-C LTS START-UP HEATER		
	SHELL	TUBE
DES./OPER.TEMP	°C	275/88;215
DES./OPER.PRESS	kg/cm <sup>2</sup> G	8/4.77
INSULATION/THICK	mm	HOT/95
MATERIAL		CS
DIMENSION (ID SHELLxL)	mm	750x3700
SURFACE AREA	m <sup>2</sup>	80.5

NOTES

1. FOR GENERAL NOTES AND SYMBOLS SEE DRAWING 4A, 4B.
2. REFER TO WRITE-UP BY CONTROL SYSTEMS ENGINEERING FOR INTERLOCK DESCRIPTION.
3. DELETED.
4. DELETED.
5. FOR DETAIL OF LTS START-UP BLOWER, PLEASE SEE K5-E3-173J-PD-001.

