

LBT - TELESCOPE COOLING SYSTEM Document number: 562s006b  
100% PARTS LIST

PART	QUANTITY	MANUFACTURER	PART/MODEL #	SIZE/CAPACITY	MATERIAL	PRESSURE RATING (PSI)	TEMPERATURE RATING (*F)	ELECTRICAL REQUIREMENTS	ALTERNATIVE MANUFACTURER	ALTERNATIVE PART/MODEL #	COMMENTS
PUMP	2	ROPER	SERIES A16	22 gpm/80 psi	CAST IRON	50/150	212	2 HP/1300 RPM/ 460 V/3 PH/60 HZ	GOULDS	LCC	2 HP MOTOR IS EXISTING
HEAT EXCHANGER	2	BELL & GOSSETT	BP415-60	Various	STEEL	365	N/A	NONE	-	-	BRAZED PLATE HEAT EXCHANGER
AHU	4	TRANE	BCHC090G2	7.5 Ton/3500 cfm	-	-	-	1.5HP/1150rpm/208 V/3 PH/60 HZ	-	-	
2-WAY BALL VALVE	48	APOLLO/CONBRACO	96-103-27	1/2"	304 S.S.	2000	NA	NONE	NIBCO	F-150	
2-WAY BALL VALVE	12	APOLLO/CONBRACO	96-105-27	1"	304 S.S.	2000	NA	NONE	NIBCO	F-150	
2-WAY BALL VALVE	8	APOLLO/CONBRACO	96-107-27	1 1/2"	304 S.S.	1500	NA	NONE	NIBCO	F-150	
3-WAY BALL VALVE	2	WARREN	L10RSRTT	1 1/2"	304 S.S.	1000	NA	NONE	-	-	FNPT x FNPT
CHECK VALVE	4	APOLLO/CONBRACO	62-505-01	1"	304 S.S.	1000	NA	NONE	-	-	FNPT x FNPT
2-WAY CONTROL VALVE	10	APOLLO/CONBRACO	76-AR5-64	1"	304 S.S.	2000	NA	-	-	-	
CIRCUIT SETTER	6	FLOW DESIGN INC.	MODEL AS	1/2"	BRONZE	400	250	NONE	BELL & GOSSETT	N/A	MODEL AS UTILIZES VENTURI PRINCIPLE
PRESSURE RELIEF VALVE	4	APOLLO/CONBRACO	544EDBJV0X0085	3/4"-1-1/4"	304 S.S.	900	800	NONE	-	-	BACKPRESSURE TIGHT- MINIMIZES FUGITIVE EMISSIONS. W/LEVEL RELEASE HANDLE
STRAINER	24	HAYWARD	85Y	1/2"	316 S.S.	-	NA	NONE	-	-	Viton Seals
STRAINER	2	HAYWARD	53BTX	1-1/2"	316 S.S.	-	NA	NONE	-	-	Viton Seals
QUICK CONNECT	48	SWAGELOK	SS-QTM8-D-8PM	1/2"	316 S.S.	1000	0 TO 120	NONE	-	-	STEM W/ VALVE (MALE NPT)
QUICK CONNECT	48	SWAGELOK	SS-QTM8A-B-8PM	1/2"	316 S.S.	1000	0 TO 120	NONE	-	-	BODY (MALE NPT)
PIPE SIGHT GLASS	2	PLAST-O-MATIC	GYW-150V-PP	1-1/2"	POLYPROPYLENE						VITON SEALS AND FLANGE CONNECTION
PRESSURE RELEASE TANK	2	RYAN HERCO	TK0500 / 7353165	165 GAL	HDPE	-	-	NONE	-	-	PROVIDE NOZZLES AS INDICATED ON P&ID. INSTALL BUOYANCY LEVEL SWITCH AT 6" HEIGHT.
THERMOMETER	48	TRERICE	B836-06-01	1/2"	316 S.S.			SEE COMMENTS	-	-	UNIT: DEGREES C
PRESSURE GAUGE	32	TRERICE	500XSS-45-SML-250-KPA	1/2"	316 S.S.			SEE COMMENTS	-	-	UNIT: BAR
LEVEL SWITCH	2	FLOWLINE/RYAN HERCO	BYNCY SNSR PP HOR/6907.101	3/4"	POLYPROPYLENE	-	-40 TO 194	120 VAC	-	-	(2) 115V LDRY CONTACT, SPDT. CABLE - 3- WIRE, 22 GAUGE WITH GROUND, PFA JACKET
FLOW METER	48	KING	7710-716	1" / 5 GPM	316 S.S.	-	-	-	-	-	
FLOW METER	8	SIERRA	240-VTP-FS-E4-PV1-V6- ST-MP2	1 1/2"/25 GPM	316 S.S.	-	-	-	-	-	INTELLEGENT DEVICE WITH TEMPERATURE, PRESSURE AND FLOW OUTPUT SIGNAL