



NOTE: ALL MATERIALS 304SS

BILL of MATERIALS			
ITEM	QTY	MANF. MODEL #	DESCRIPTION
1	1	THERMAFLO JSA	TYPE JSA JET EDUCTOR BLOWDOWN AFTERCOOLER
2	1	THERMAFLO 56T	1/2" SELF-ACTING COOLING CONTROL VALVE, 100°F-175°F RANGE
3	1	MILIOCO	3" DIAL THERMOMETER (0°F-250°F) WITH SS WELL
NOZZLES and CONNECTIONS			
ITEM	SIZE (in)	TYPE & RATING	SERVICE
A	2"	NPT	BLOWDOWN INLET
B	1/2" / 3/4"	NPT	COOLING WATER INLET
C	2"	NPT	COOLED WATER OUTLET

Installation Notes:

1. Pipe clean water supply to the cooling control valve minimum water pressure 40 psig. 60°F Max
2. Install a strainer before cooling valve.
3. Connection B should be piped to gravity free flowing drain. Never downsize the drain or lift the water to an overhead drain line.
4. See cooling control valve IOM for setting and spare parts.
5. Max blowdown flow rate hot side: 20 GPM @ 390°F

Cooling Valve Sizing

Minimum Water Pressure: 40 PSIG Maximum

Water Temperature: 390°F

Blowdown Valve Size	Boiler Pressure	BDV Flow	Cooling Valve Size
1"	50	12.7 GPM	3/4"
1"	100	22 GPM	1.5"

NOTE: Flow rates based on full pressure drop from the boiler with full port blowdown valve open for 3 to 4 seconds max as blowdown should be done intermediate waiting 45 seconds minimum between cycles.

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#	DATE	REVISION

THERMAFLO

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Since 1986

DESCRIPTION:					
JSA JET BLOWDOWN COOLER					
CUSTOMER:			JOB #	QTY.	DATE:
-			-	-	11-06-13
SCALE:	DRAWN:	PO #	PLAN #	FILE:	PAGE:
NTS	RSP	-	-	-	-