

PIPE THICKNESSES -MATL WISE - SYSTEM WISE

SYSTEM	NPS	0.75	1	1.5	2	2.5	3	4	5	6	8	10	12	14	16	18	20	24	28	30	32	36	40	44
	NB	20	25	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	750	800	900	1000	1100
	OD	26.7	33.4	48.3	60.3	73	88.9	114.3	141.3	168.3	219.1	273	323.8	355.6	406.4	457	508	610	711	762	813	914	1016	1118
AS (P91)																								
MAIN STEAM	IBR				5.54			11.13			18.26		25.4		30.96		38.1							
BOILER STARTUP STEAM	IBR							11.13				21.44												
AUXILIARY STEAM	IBR				5.54			11.13																
DEAERATOR PEGGING STEAM	IBR						7.62	11.13																
EXTRACTION STEAM	IBR																							
BOILER FLASH TANK VENT TO DEAERATOR	IBR																							
BFP-SUCTION	IBR																							
FEED WATER	IBR																							
SPRAY TO AUX DEAERATOR PEGG PRDS	IBR																							
SPRAY TO BSS PRDS	NIBR																							
CONDENSATE - CS	NIBR																							
CONDENSATE - SS	NIBR																							
LP HEATER 1, 2, 3 & DEAERATOR DRAIN	NIBR																							
HP HEATE 5 & 6 DRAIN	NIBR																							
COOLING WATER	NIBR																							
AUX COOLING WATER	NIBR																							
CLOSED CIRCUIT COOLING WATER	NIBR																							
MISC - DRAINS	NIBR																							
MISC - VENTS	NIBR																							
INSTRUMENT AIR & PLANT AIR	NIBR																							
AS (P22)																								
MAIN STEAM	IBR		6.35	10.15	11.07					7.11														
BOILER STARTUP STEAM	IBR		6.35	10.15							8.18													
AUXILIARY STEAM	IBR		4.55				5.49	6.02													22.23			
DEAERATOR PEGGING STEAM	IBR		4.55					6.02		7.11		9.27												
EXTRACTION STEAM	IBR																							
BOILER FLASH TANK VENT TO DEAERATOR	IBR																							
BFP-SUCTION	IBR																							
FEED WATER	IBR																							
SPRAY TO AUX DEAERATOR PEGG PRDS	IBR																							
SPRAY TO BSS PRDS	NIBR																							
CONDENSATE - CS	NIBR																							
CONDENSATE - SS	NIBR																							
LP HEATER 1, 2, 3 & DEAERATOR DRAIN	NIBR																							
HP HEATE 5 & 6 DRAIN	NIBR																							
COOLING WATER	NIBR																							
AUX COOLING WATER	NIBR																							
CLOSED CIRCUIT COOLING WATER	NIBR																							
MISC - DRAINS	NIBR																							
MISC - VENTS	NIBR																							
INSTRUMENT AIR & PLANT AIR	NIBR																							
CS																								
MAIN STEAM	IBR																							
BOILER STARTUP STEAM	IBR		4.55								6.35	6.35	9.53			9.53		9.53	9.53					
AUXILIARY STEAM	IBR		4.55	5.08		5.16	5.49				6.35	6.35	9.53											
DEAERATOR PEGGING STEAM	IBR	3.91	4.55		3.91		5.49	6.02			6.35	9.27	9.53											
EXTRACTION STEAM	IBR	3.91	4.55							7.11	8.18	9.27	9.53	7.92	9.53	9.53	9.53	9.53		9.53				12.7
BOILER FLASH TANK VENT TO DEAERATOR	IBR		4.55					6.02		7.11														
BFP-SUCTION	IBR	3.91	4.55		3.91						8.18	9.27	9.53	7.92	9.53									

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	NB	20	25	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	750	800	900	1000	1100
	OD	26.7	33.4	48.3	60.3	73	88.9	114.3	141.3	168.3	219.1	273	323.8	355.6	406.4	457	508	610	711	762	813	914	1016	1118
FEED WATER	IBR	3.91	4.55					13.49				28		38		50								
SPRAY TO AUX DEAERATOR PEGG PRDS	IBR		4.55		8.74																			
SPRAY TO BSS PRDS	NIBR																							
CONDENSATE - CS	NIBR				3.91			6.02		7.11	6.35	6.35	6.35	11.13	6.35		6.35							
CONDENSATE - SS	NIBR																							
LP HEATER 1, 2, 3 & DEAERATOR DRAIN	NIBR							6.02		7.11	6.35	6.35												
HP HEATE 5 & 6 DRAIN	NIBR							6.02		7.11	8.18	9.27										12.7		
COOLING WATER	NIBR						4.8	5.4		5.4												10		
AUX COOLING WATER	NIBR												6	6	6		6							
CLOSED CIRCUIT COOLING WATER	NIBR				4.5		4.8	5.4		5.4	8.18	6		6		6	6	8	8	8			10	
MISC - DRAINS	NIBR				3.91					7.11		6.35	6.35											
MISC - VENTS	NIBR							6.02		7.11		6.35												
INSTRUMENT AIR & PLANT AIR	NIBR				4.5		4.8	5.4	5.4	5.4	6													
SS																								
MAIN STEAM	IBR																							
BOILER STARTUP STEAM	IBR																							
AUXILIARY STEAM	IBR																							
DEAERATOR PEGGING STEAM	IBR																							
EXTRACTION STEAM	IBR																							
BOILER FLASH TANK VENT TO DEAERATOR	IBR																							
BFP-SUCTION	IBR																							
FEED WATER	IBR																							
SPRAY TO AUX DEAERATOR PEGG PRDS	IBR																							
SPRAY TO BSS PRDS	NIBR			3.68	3.91		3.05	3.05																
CONDENSATE - CS	NIBR																							
CONDENSATE - SS	NIBR				3.91					3.4		4.19	4.57	4.78			5.54							
LP HEATER 1, 2, 3 & DEAERATOR DRAIN	NIBR																							
HP HEATE 5 & 6 DRAIN	NIBR																							
COOLING WATER	NIBR																							
AUX COOLING WATER	NIBR																							
CLOSED CIRCUIT COOLING WATER	NIBR																							
MISC - DRAINS	NIBR																							
MISC - VENTS	NIBR																							
INSTRUMENT AIR & PLANT AIR	NIBR																							