

STEAM HUMIDIFIER											
HUMID NO	SYSTEM	CFM	NUMBER OF MANIFOLDS	ENT AIR °F		LVG AIR °F		STEAM PSIG		VALVE LBS/HR	T-VAL LBS/HR
				DB	WB	DB	WB	ENTERING IN OF VALVE	ENTERING CONTROL VALVE		
500-HUM-1	500-ACT1	7930	1	60.1	45.1	60.1	45.2	15	10	71	100
500-HUM-2	500-ACT1	7930	1	60.1	45.1	60.1	45.2	15	10	71	100
500-HUM-3	500-ACT2	6155	1	60.1	44.9	60.1	45.2	15	10	55	100
500-HUM-4	500-ACT2	6155	1	60.1	44.9	60.1	45.2	15	10	55	100
500-HUM-5	500-ACT3	10592	1	60.0	39.5	60.0	45.2	15	10	72	100
500-HUM-6	500-ACT3	10592	1	60.0	39.5	60.0	45.2	15	10	72	100
500-HUM-7	500-ACT4	8065	1	60.1	45.1	60.1	45.2	15	10	75	100
500-HUM-8	500-ACT4	8065	1	60.1	45.1	60.1	45.2	15	10	75	100
500-HUM-9	500-ACT5	6444	1	60.1	45.1	60.1	45.2	15	10	57	100
500-HUM-10	500-ACT5	6444	1	60.1	45.1	60.1	45.2	15	10	57	100
500-HUM-11	500-ACT6	4885	1	60.1	45.1	60.1	45.2	15	10	52	100
500-HUM-12	500-ACT6	4885	1	60.1	45.1	60.1	45.2	15	10	52	100
500-HUM-13	500-ACT7	8980	1	60.1	45.1	60.1	45.2	15	10	82	100
500-HUM-14	500-ACT7	8980	1	60.1	45.1	60.1	45.2	15	10	82	100
500-HUM-15	500-ACT8	9680	1	60.1	45.1	60.1	45.2	15	10	87	100
500-HUM-16	500-ACT8	9680	1	60.1	45.1	60.1	45.2	15	10	87	100
500-HUM-17	500-ACT9	11640	2	60.1	44.7	60.1	45.2	15	10	117	100
500-HUM-18	500-ACT9	11640	2	60.1	44.7	60.1	45.2	15	10	117	100
500-HUM-19	500-ACT10	13375	1	55.6	40.1	55.6	45.0	15	10	127	100
500-HUM-20	500-ACT10	13375	1	55.6	40.1	55.6	45.0	15	10	127	100
500-HUM-21	500-ACT11	10220	2	60.1	45.1	60.1	45.2	15	10	107	100
500-HUM-22	500-ACT11	10220	2	60.1	45.1	60.1	45.2	15	10	107	100
500-HUM-23	500-ACT12	11780	2	60.0	44.2	60.0	45.2	15	10	117	100
500-HUM-24	500-ACT12	11780	2	60.0	44.2	60.0	45.2	15	10	117	100
500-HUM-25	500-ACT13	4780	1	47.8	32.8	47.8	43.6	15	10	90	100
500-HUM-26	500-ACT13	4780	1	47.8	32.8	47.8	43.6	15	10	90	100
500-HUM-27	500-ACT14	9555	1	60.1	45.1	60.1	45.2	15	10	87	100
500-HUM-28	500-ACT14	9555	1	60.1	45.1	60.1	45.2	15	10	87	100
500-HUM-29	500-ACT15	9117	1	60.1	45.2	60.1	45.2	15	10	83	100
500-HUM-30	500-ACT15	9117	1	60.1	45.2	60.1	45.2	15	10	83	100
500-HUM-31	500-ACT16	11095	2	60.1	45.2	60.1	45.2	15	10	110	100
500-HUM-32	500-ACT16	11095	2	60.1	45.2	60.1	45.2	15	10	110	100
500-HUM-33	500-ACT17	8980	1	60.1	45.1	60.1	45.2	15	10	82	100
500-HUM-34	500-ACT17	8980	1	60.1	45.1	60.1	45.2	15	10	82	100
500-HUM-35	500-ACT18	7650	1	60.1	45.2	60.1	45.2	15	10	65	100
500-HUM-36	500-ACT18	7650	1	60.1	45.2	60.1	45.2	15	10	65	100
500-HUM-37	500-ACT19	14270	2	60.1	45.1	60.1	45.2	15	10	142	100
500-HUM-38	500-ACT19	14270	2	60.1	45.1	60.1	45.2	15	10	142	100
500-HUM-39	500-ACT20	14270	2	60.1	45.1	60.1	45.2	15	10	142	100
500-HUM-40	500-ACT20	14270	2	60.1	45.1	60.1	45.2	15	10	142	100
500-HUM-41	500-ACT21	10220	2	60.1	45.1	60.1	45.2	15	10	107	100
500-HUM-42	500-ACT21	10220	2	60.1	45.1	60.1	45.2	15	10	107	100
500-HUM-43	500-ACT22	10220	2	60.1	45.1	60.1	45.2	15	10	107	100
500-HUM-44	500-ACT22	10220	2	60.1	45.1	60.1	45.2	15	10	107	100
500-HUM-45	500-ACT23	8980	1	60.1	45.1	60.1	45.2	15	10	82	100
500-HUM-46	500-ACT23	8980	1	60.1	45.1	60.1	45.2	15	10	82	100
500-HUM-47	500-ACT24	14270	2	60.1	45.1	60.1	45.2	15	10	142	100
500-HUM-48	500-ACT24	14270	2	60.1	45.1	60.1	45.2	15	10	142	100
500-HUM-49	500-ACT25	8435	1	60.1	45.1	60.1	45.2	15	10	80	100
500-HUM-50	500-ACT25	8435	1	60.1	45.1	60.1	45.2	15	10	80	100
500-HUM-51	500-ACT26	10650	2	60.1	45.1	60.1	45.2	15	10	106	100
500-HUM-52	500-ACT26	10650	2	60.1	45.1	60.1	45.2	15	10	106	100
500-HUM-53	500-ACT27	13200	2	60.1	45.1	60.1	45.2	15	10	132	100
500-HUM-54	500-ACT27	13200	2	60.1	45.1	60.1	45.2	15	10	132	100
500-HUM-55	500-ACT28	11095	2	60.1	45.1	60.1	45.2	15	10	110	100
500-HUM-56	500-ACT28	11095	2	60.1	45.1	60.1	45.2	15	10	110	100
500-HUM-57	500-ACT29	11095	2	60.1	45.1	60.1	45.2	15	10	110	100
500-HUM-58	500-ACT29	11095	2	60.1	45.1	60.1	45.2	15	10	110	100
500-HUM-59	500-ACT30	10650	2	60.1	45.1	60.1	45.2	15	10	106	100
500-HUM-60	500-ACT30	10650	2	60.1	45.1	60.1	45.2	15	10	106	100

PRESSURE REDUCING VALVES									
PRV NO.	LOCATION	STEAM PRESSURE PSIG		CAPACITY LBS/HR		BYPASS SIZE	MINIMUM DIMENSIONS AS SHOWN ON STANDARD DETAIL		
		INLET	OUTLET	REQUIRED	MAXIMUM		L ₁	L ₂	L ₃
500-PRV-1A	NOT USED	---	---	---	---	---	---	---	---
500-PRV-1B	NOT USED	---	---	---	---	---	---	---	---
500-PRV-2A	SERV. TUNNEL EXIT TO BLDG.	125	60	11,725	12,890	5"	5'-0"	10'-0"	2'-0"
500-PRV-2B	SERV. TUNNEL EXIT TO BLDG.	125	60	27,350	28,710	---	5'-0"	10'-0"	2'-0"
500-PRV-3A	SERVICE BAY 1-H-R	60	15	150	---	3/4"	1'-8"	4'-0"	1'-0"
500-PRV-3B	SERVICE BAY 1-H-R	60	15	565	620	---	1'-8"	4'-0"	1'-0"
500-PRV-4A	SERVICE BAY 0-H-R	60	15	110	150	3/4"	1'-8"	4'-0"	1'-0"
500-PRV-4B	SERVICE BAY 0-H-R	60	15	405	445	---	1'-8"	4'-0"	1'-0"
500-PRV-5A	SERVICE BAY 1-H-S	60	15	255	225	3/4"	2'-8"	4'-0"	1'-0"
500-PRV-5B	SERVICE BAY 1-H-S	60	15	585	640	---	1'-8"	4'-0"	1'-0"
500-PRV-6A	SERVICE BAY 0-Q-Q	60	15	720	795	1-1/2"	2'-6"	6'-8"	1'-4"
500-PRV-6B	SERVICE BAY 0-Q-Q	60	15	1,730	1,910	---	2'-6"	6'-8"	1'-4"
500-PRV-7A	SERVICE BAY 1-H-H	60	15	220	250	1"	2'-0"	5'-0"	1'-0"
500-PRV-7B	SERVICE BAY 1-H-H	60	15	835	920	---	2'-0"	5'-0"	1'-0"
500-PRV-8A	SERVICE BAY 0-H-M	60	15	202	225	1"	2'-0"	5'-0"	1'-0"
500-PRV-8B	SERVICE BAY 0-H-M	60	15	755	830	---	2'-0"	5'-0"	1'-0"
500-PRV-9A	SERVICE BAY 0-K-L	60	15	550	605	1-1/4"	2'-6"	6'-8"	1'-4"
500-PRV-9B	SERVICE BAY 0-K-L	60	15	1,545	1,645	---	2'-6"	6'-8"	1'-4"
500-PRV-10A	SERVICE BAY 1-J-L	60	15	1,580	1,660	2"	3'-4"	8'-4"	1'-8"
500-PRV-10B	SERVICE BAY 1-J-L	60	15	4,975	5,100	---	3'-4"	8'-4"	1'-8"
500-PRV-11A	SERVICE BAY 0-J-L	60	15	350	165	3/4"	1'-8"	4'-0"	1'-0"
500-PRV-11B	SERVICE BAY 0-J-L	60	15	565	620	---	1'-8"	4'-0"	1'-0"
500-PRV-12A	SERVICE BAY 1-H-K	60	15	882	925	1-1/2"	3'-4"	6'-8"	1'-4"
500-PRV-12B	SERVICE BAY 1-H-K	60	15	2,385	2,445	---	3'-4"	6'-8"	1'-4"
500-PRV-13A	SERVICE BAY 0-Y-K	60	15	620	680	4-1/2"	3'-4"	6'-8"	1'-4"
500-PRV-13B	SERVICE BAY 0-Y-K	60	15	2,320	2,380	---	3'-4"	6'-8"	1'-4"
500-PRV-14A	SERVICE BAY 0-G-J	60	15	180	200	3/4"	2'-0"	5'-0"	1'-0"
500-PRV-14B	SERVICE BAY 0-G-J	60	15	710	760	---	2'-0"	5'-0"	1'-0"
500-PRV-15A	SERVICE BAY 1-G-J	60	15	756	800	2"	3'-4"	6'-8"	1'-8"
500-PRV-15B	SERVICE BAY 1-G-J	60	15	2,470	2,555	---	3'-4"	6'-8"	1'-8"
500-PRV-16A	SERVICE BAY 1-F-F	60	15	310	340	1"	2'-0"	5'-0"	1'-0"
500-PRV-16B	SERVICE BAY 1-F-F	60	15	1,135	1,190	---	2'-0"	5'-0"	1'-0"
500-PRV-17A	SERVICE BAY 1-A-I	60	15	745	820	1-1/4"	2'-6"	6'-8"	1'-4"
500-PRV-17B	SERVICE BAY 1-A-I	60	15	2,055	2,160	---	2'-6"	6'-8"	1'-4"
500-PRV-18A	SERVICE BAY 1-B-E	60	15	260	290	1"	2'-0"	5'-0"	1'-0"
500-PRV-18B	SERVICE BAY 1-B-E	60	15	990	1,090	---	2'-0"	5'-0"	1'-0"
500-PRV-19A	SERVICE BAY 1-E-D	60	15	165	185	3/4"	1'-8"	4'-0"	1'-0"
500-PRV-19B	SERVICE BAY 1-E-D	60	15	475	525	---	1'-8"	4'-0"	1'-0"
500-PRV-20A	SERVICE BAY 1-C-D	60	15	90	110	3/4"	1'-8"	3'-4"	1'-0"
500-PRV-20B	SERVICE BAY 1-C-D	60	15	335	370	---	1'-8"	3'-4"	1'-0"
500-PRV-21A	SERVICE BAY 1-D-B	60	15	165	185	3/4"	1'-8"	3'-4"	1'-0"
500-PRV-21B	SERVICE BAY 1-D-B	60	15	615	690	---	1'-8"	3'-4"	1'-0"
500-PRV-22A	SERVICE BAY 1-M-R	60	15	250	275	1"	2'-0"	5'-0"	1'-0"
500-PRV-22B	SERVICE BAY 1-M-R	60	15	930	1,030	---	2'-0"	5'-0"	1'-0"

PRESSURE REDUCING VALVES									
PRV NO.	LOCATION	STEAM PRESSURE PSIG		CAPACITY LBS/HR		BYPASS SIZE	MINIMUM DIMENSIONS AS SHOWN ON STANDARD DETAIL		
		INLET	OUTLET	REQUIRED	MAXIMUM		L ₁	L ₂	L ₃
500-PRV-23A	SERVICE BAY 4-Y-D	60	15	500	550	1-1/4"	2'-6"	5'-0"	1'-0"
500-PRV-23B	SERVICE BAY 4-Y-D	60	15	1,115	1,215	---	2'-6"	5'-0"	1'-0"
500-PRV-24A	SERVICE BAY 0-H-N	60	15	335	370	1"	2'-6"	5'-0"	1'-0"
500-PRV-24B	SERVICE BAY 0-H-N	60	15	1,095	1,205	---	2'-6"	5'-0"	1'-0"
500-PRV-25A	SERVICE BAY 1-H-M	60	15	294	325	1"	2'-6"	5'-0"	1'-0"
500-PRV-25B	SERVICE BAY 1-H-M	60	15	1,100	1,210	---	2'-6"	5'-0"	1'-0"
500-PRV-26A	SERVICE BAY 0-P-D	60	15	665	730	1-1/4"	2'-6"	6'-8"	1'-4"
500-PRV-26B	SERVICE BAY 0-P-D	60	15	1,560	1,640	---	2'-6"	6'-8"	1'-4"
500-PRV-27A	SERVICE BAY 1-P-D	60	15	1,110	1,210	1-1/2"	3'-4"	6'-8"	1'-4"
500-PRV-27B	SERVICE BAY 1-P-D	60	15	2,090	2,195	---	3'-4"	6'-8"	1'-4"
500-PRV-28A	SERVICE BAY 1-Q-U	60	15	325	355	1"	2'-6"	5'-0"	1'-0"
500-PRV-28B	SERVICE BAY 1-Q-U	60	15	1,070	1,170	---	2'-6"	5'-0"	1'-0"
500-PRV-29A	SERVICE BAY 1-T-T	60	15	260	290	1"	2'-0"	5'-0"	1'-0"
500-PRV-29B	SERVICE BAY 1-T-T	60	15	970	1,075	---	2'-0"	5'-0"	1'-0"
500-PRV-30A	SERVICE BAY 1-S-W	60	15	150	165	3/4"	1'-8"	4'-0"	1'-0"
500-PRV-30B	SERVICE BAY 1-S-W	60	15	560	620	---	2'-8"	4'-0"	1'-0"
500-PRV-31A	SERVICE BAY 1-R-V	60	15	140	155	3/4"	1'-8"	4'-0"	1'-0"
500-PRV-31B	SERVICE BAY 1-R-V	60	15	530	600	---	1'-8"	4'-0"	1'-0"