



ERNST FLOW INDUSTRIES
A CLARK-RELIANCE COMPANY



Models 500 / 501



Models 600 / 601

NOTE: Always wear Safety Glasses when working with Gauge Glass.

EFI HIGH PRESSURE CLEAR – Model #500

TEMPERATURE & PRESSURE RATINGS

Maximum Recommended Working Pressure, PSI

SIZE	LENGTH	TEMPERATURES UP TO 150°F NO CORROSION	STEAM BOILER SERVICE UP TO 425°F	
1/2" O.D. +0, -1/32"	8"	460	340	
	10"	445	335	
	12"	435	325	
	14"	415	315	
	16"	400	300	
	18"	385	295	
	20"	375	285	
	24"	340	270	
	30"	295	***	
5/64" Wall ± 1/64"	36"	260	***	
	48"	205	***	
	60"	155	***	
	72"	110	***	
	5/8" O.D. +0, -1/32"	8"	435	320
		10"	420	315
		12"	410	305
		14"	390	295
		16"	375	285
18"		360	280	
20"		350	270	
24"		320	255	
30"		280	***	
3/32" Wall ± 1/64"	36"	245	***	
	48"	195	***	
	60"	150	***	
	72"	100	***	
	3/4" O.D. +0, -1/32"	8"	425	315
		10"	410	310
		12"	400	300
		14"	385	290
		16"	370	280
18"		355	275	
20"		345	265	
24"		315	250	
30"		275	***	
7/64" Wall ± 1/64"	36"	240	***	
	48"	190	***	
	60"	145	***	
	72"	100	***	

*** Maximum recommended length in this service is 24".

TUBULAR GAUGE GLASS (TEMPERATURE & PRESSURE RATINGS)

EFI HIGH PRESSURE CLEAR – Model #500 (cont.)

TEMPERATURE & PRESSURE RATINGS

Maximum Recommended Working Pressure, PSI

SIZE	LENGTH	TEMPERATURES UP TO 150°F NO CORROSION	STEAM BOILER SERVICE UP TO 425°F
	8"	380	
	10"	370	
	12"	360	
7/8" O.D. +0, -1/32"	14"	350	
	16"	340	This size Not Recommended in this Service
	18"	335	
	20"	330	
1/8" Wall ± 1/32"	24"	315	
	30"	285	
	36"	265	
	48"	210	
	60"	160	
	72"	110	
	8"	345	
	10"	335	
	12"	325	
1" O.D. +0, -1/32"	14"	320	
	16"	310	This size Not Recommended in this Service
	18"	305	
	20"	300	
1/8" Wall ± 1/32"	24"	285	
	30"	260	
	36"	240	
	48"	190	
	60"	145	
	72"	100	
	8"	270	
	10"	265	
	12"	260	
1-1/8" O.D. +0, -3/64"	14"	250	
	16"	245	This size Not Recommended in this Service
	18"	240	
	20"	240	
1/8" Wall ± 1/32"	24"	235	
	30"	225	
	36"	200	
	48"	180	
	60"	150	
	72"	130	
	8"	240	
	10"	235	
	12"	230	
1-1/4" O.D. +0, -3/64"	14"	225	
	16"	220	This size Not Recommended in this Service
	18"	215	
	20"	215	
1/8" Wall ± 1/32"	24"	210	
	30"	200	
	36"	180	
	48"	160	
	60"	135	
	72"	115	
	8"	210	
	10"	205	
	12"	200	
1-1/2" O.D. +0, -3/64"	14"	200	
	16"	195	This size Not Recommended in this Service
	18"	190	
	20"	190	
1/8" Wall ± 1/32"	24"	185	
	30"	175	
	36"	160	
	48"	140	
	60"	120	
	72"	100	

*** Maximum recommended length in this service is 24".

EFI HIGH PRESSURE RED LINE – Model #501

TEMPERATURE & PRESSURE RATINGS

Maximum Recommended Working Pressure, PSI

SIZE	LENGTH	TEMPERATURES UP TO 150°F NO CORROSION	STEAM BOILER SERVICE UP TO 425°F	
1/2" O.D. +0,-1/32"	8"	390	300	
	10"	370	295	
	12"	360	295	
	14"	345	290	
	16"	335	285	
	18"	325	280	
	20"	310	280	
	24"	280	270	
	30"	250	***	
	36"	215	***	
5/64" Wall ± 1/64"	48"	175	***	
	60"	135	***	
	72"	100	***	
	8"	370	285	
	10"	345	280	
	12"	335	280	
	14"	325	275	
	16"	315	270	
	18"	305	265	
	20"	290	265	
5/8" O.D. +0,-1/32"	24"	265	255	
	30"	235	***	
	36"	205	***	
	48"	165	***	
	60"	125	***	
	72"	90	***	
	3/4" O.D. +0,-1/32"	22"	270	250
		24"	260	250
		30"	230	***
		36"	200	***
48"		160	***	
60"		125	***	
72"		90	***	
7/64" Wall ± 1/64"		8"	360	280
		10"	340	275
		12"	330	275
	14"	320	270	
	16"	310	265	
	18"	300	260	
	20"	285	260	
	22"	270	250	
	24"	260	250	
	30"	230	***	
1-1/4" O.D. +0,-3/64"	36"	200	***	
	48"	160	***	
	60"	125	***	
	72"	90	***	
	8"	315		
	10"	310		
	12"	305		
	14"	300		
	16"	285	This size Not Recommended in this Service	
	18"	280		
1/8" Wall ± 1/32"	20"	275		
	24"	265		
	30"	240		
	36"	225		
	48"	185		
	60"	145		
	72"	100		
	1-1/2" O.D. +0,-3/64"	8"	275	
		10"	270	
		12"	265	
14"		260		
16"		250	This size Not Recommended in this Service	
18"		245		
20"		240		
24"		230		
30"		210		
36"		195		
1/8" Wall ± 1/32"	48"	160		
	60"	125		
	72"	90		

*** Maximum recommended length in this service is 24".

EFI HIGH PRESSURE HEAVY WALL CLEAR & RED LINE Model #600 & 601

TEMPERATURE & PRESSURE RATINGS

Maximum Recommended Working Pressure, PSI

SIZE	LENGTH	TEMPERATURES UP TO 150°F NO CORROSION	STEAM BOILER SERVICE UP TO 425°F
5/8" O.D. +1/64 , -3/64"	8"	600	350
	10"	600	345
	12"	600	340
	14"	600	335
	16"	600	325
	18"	600	320
3/16" Wall +3/64" , -0	20"	600	315
	24"	580	300
	30"	550	***
	36"	500	***
	48" (Max.)	340	***
3/4" O.D. +1/64 , -3/64"	8"	600	350
	10"	600	345
	12"	600	340
	14"	600	335
	16"	600	325
	18"	600	320
7/32" Wall +1/16" , -0	20"	600	315
	24"	580	300
	30"	550	***
	36"	500	***
	48" (Max.)	340	***
7/8" O.D. +1/64 , -3/64"	8"	600	350
	10"	600	345
	12"	600	340
	14"	600	335
	16"	600	325
	18"	600	320
1/4" Wall +1/16" , -0	20"	600	315
	24"	580	300
	30"	550	***
	36"	500	***
	48" (Max.)	340	***
1" O.D. +1/64 , -3/64"	8"	600	350
	10"	600	345
	12"	600	340
	14"	600	335
	16"	600	325
	18"	600	320
5/16" Wall +1/16" , -0	20"	600	315
	24"	580	300
	30"	550	***
	36"	500	***
	48" (Max.)	340	***

*** Maximum recommended length in this service is 24".



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