



Sizing and Selection Chart 25P, 25PE, 25PA, and all Combinations

Capacities

Inlet Steam Pressure psig	Outlet Steam Pressure psig	C.V. Factors \bar{I}	NOMINAL VALVE SIZE								
			1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
		3.48	6.5	10.5	14	20	35	56	74	115	280
15	10	95	175	285	380	540	950	1,500	2,000	3,100	7,140
	5	135	250	405	545	780	1,365	2,185	2,890	4,480	10,373
	3	155	285	465	620	880	1,550	2,470	3,260	5,080	11,669
20	12	120	230	365	490	700	1,225	1,960	2,590	4,025	9,282
	8	155	290	470	630	900	1,575	2,520	3,330	5,175	11,934
	0-5	180	335	540	720	1,025	1,795	2,870	3,790	5,895	13,592
25	15	145	270	435	580	830	1,450	2,325	3,070	4,770	11,006
	10	195	360	580	775	1,110	1,950	3,110	4,110	6,385	14,719
	0-7	205	385	620	825	1,180	2,065	3,305	4,360	6,785	15,647
30	20	155	290	470	630	900	1,575	2,520	3,330	5,175	11,934
	15	220	410	665	890	1,270	2,220	3,555	4,700	7,300	16,840
	0-12	230	430	695	925	1,320	2,310	3,695	4,885	7,590	17,503
40	30	155	290	470	630	900	1,575	2,520	3,330	5,175	11,934
	25	250	470	755	1,010	1,440	2,520	4,030	5,330	8,280	19,094
	0-18	280	525	850	1,135	1,620	2,835	4,535	5,995	9,315	21,481
50	40	190	355	575	770	1,100	1,925	3,080	4,070	6,325	14,586
	30	315	585	955	1,275	1,820	3,185	5,095	6,735	10,465	24,133
	0-21	350	650	1,050	1,400	2,000	3,500	5,600	7,400	11,500	26,520
60	45	280	520	840	1,120	1,600	2,800	4,480	5,920	9,200	21,216
	35	360	670	1,080	1,440	2,060	3,605	5,770	7,620	11,845	27,316
	0-27	385	720	1,165	1,555	2,220	3,885	6,215	8,215	12,765	29,437
75	60	280	525	850	1,135	1,620	2,835	4,535	5,995	9,315	21,481
	50	415	775	1,250	1,665	2,380	4,165	6,665	8,800	13,685	31,559
	0-35	470	875	1,415	1,890	2,700	4,725	7,560	9,990	15,525	35,802
85	70	290	540	870	1,160	1,660	2,905	4,650	6,140	9,545	22,012
	50	490	915	1,480	1,965	2,820	4,935	7,895	10,435	16,215	37,393
	0-43	515	960	1,555	2,070	2,960	5,180	8,290	10,950	17,020	39,250
100	80	370	690	1,115	1,485	2,120	3,710	5,935	7,845	12,190	28,111
	60	580	1,080	1,740	2,325	3,320	5,810	9,295	12,285	19,090	44,023
	0-48	600	1,120	1,815	2,420	3,460	6,055	9,690	12,800	19,895	45,900
125	100	440	825	1,335	1,780	2,540	4,445	7,110	9,400	14,600	33,660
	80	680	1,275	2,060	2,745	3,920	6,860	10,975	14,500	22,540	51,979
	0-62	730	1,365	2,200	2,940	4,200	7,350	11,760	15,540	24,150	55,692
150	125	490	910	1,470	1,960	2,800	4,900	7,840	10,360	16,100	37,128
	100	800	1,490	2,400	3,205	4,580	8,015	12,825	16,945	26,335	60,731
	0-76	860	1,600	2,590	3,460	4,940	8,645	13,830	18,280	28,400	65,504
175	150	490	915	1,480	1,975	2,820	4,935	7,895	10,435	16,125	37,393
	125	870	1,630	2,635	3,515	5,020	8,785	14,055	18,570	28,865	66,565
	0-87	985	1,840	2,970	3,960	5,660	9,900	15,850	20,950	32,545	75,052
200	150	840	1,600	2,540	3,390	4,840	8,470	13,550	17,900	27,830	67,238
	125	1,075	2,000	3,240	4,330	6,180	10,815	17,300	22,870	35,530	81,947
	0-103	1,125	2,100	3,390	4,520	6,460	11,300	18,000	23,900	37,145	85,660
225	175	840	1,650	2,670	3,560	5,080	8,890	14,225	18,800	29,210	67,320
	150	1,160	2,180	3,500	4,660	6,660	11,655	18,650	24,640	38,300	88,332
	0-117	1,250	2,340	3,780	5,000	7,200	12,600	20,160	26,640	41,400	95,472
250	200	925	1,730	2,790	3,720	5,320	9,300	14,900	19,680	30,600	70,584
	150	1,340	2,500	4,050	5,400	7,720	13,500	21,600	28,600	44,400	102,367
	0-131	1,385	2,590	4,180	5,570	7,960	13,930	22,300	29,450	45,800	105,570
*273	225	880	1,640	2,650	3,530	5,050	8,830	14,130	18,670	29,000	
	200	1,240	2,320	3,750	4,990	7,130	12,480	19,960	26,400	41,000	
	0-145	1,510	2,830	4,570	6,090	8,700	15,230	24,360	32,200	50,000	
*300	250	920	1,720	2,780	3,700	5,290	9,250	14,800	19,600	30,400	
	225	1,250	2,330	3,770	5,020	7,170	12,550	20,100	26,500	41,300	
	0-160	1,640	3,070	4,960	6,600	9,440	16,520	26,400	34,900	54,300	

Capacities are based on an accuracy regulation of 1 PSI and with pipe sizes to insure reasonable velocities. Refer to pipe sizing chart. * Cast steel construction required for service above 250 psig

Local regulation may restrict the use of this product below the conditions quoted. Limiting conditions refer to standard connections only.

In the interests of development and improvement of the product, we reserve the right to change the specification.

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Sizing and Selection Chart

25P, 25PE, 25PA, and all Combinations

Capacities pounds of saturated steam per hour for reduced port valve sizes for lower steam velocities

Inlet Steam Pressure psig	Outlet Steam Pressure psig	NOMINAL VALVE SIZE									
		1/2"S	3/4"S	1"S	1-1/4"S	1-1/2"S	2"S	2-1/2"S	3"S	4"S	6"S
	C.V. Factors \bar{I}	1.16	2.4	4.6	6.5	11.6	18.5	26	37	64	156
15	10	30	65	125	175	315	505	695	1,000	1,730	4,048
	5	45	95	175	250	450	720	1,015	1,440	2,500	6,311
	3	50	110	205	285	510	820	1,150	1,630	2,795	6,917
20	12	40	85	160	230	405	650	920	1,300	2,225	6,070
	8	50	110	210	290	520	825	1,170	1,655	2,825	7,585
	0-5	60	125	235	335	600	955	1,330	1,915	3,265	8,427
25	15	50	100	190	270	485	770	1,085	1,540	2,630	7,438
	10	65	135	255	360	640	1,025	1,435	2,040	3,550	9,144
	0-7	70	145	270	385	685	1,090	1,555	2,210	3,775	9,912
30	20	50	110	210	290	520	825	1,170	1,655	2,825	7,942
	15	75	150	290	410	735	1,175	1,660	2,350	4,000	9,808
	0-12	80	160	305	430	760	1,220	1,715	2,435	4,225	10,665
40	30	50	110	210	290	520	825	1,170	1,655	2,825	8,864
	25	85	175	335	470	835	1,360	1,870	2,665	4,640	11,017
	0-18	95	200	370	525	935	1,500	2,100	2,985	5,185	13,160
50	40	65	130	250	355	640	1,105	1,430	2,085	3,565	9,699
	30	105	220	420	585	1,045	1,670	2,350	3,330	5,825	13,936
	0-21	115	240	460	650	1,130	1,850	2,600	3,700	6,400	16,364
60	45	95	200	370	520	940	1,500	2,110	3,000	5,125	13,105
	35	125	250	475	670	1,195	1,900	2,760	3,810	6,590	16,781
	0-27	130	270	510	720	1,290	2,065	2,885	4,125	7,105	18,855
75	60	95	200	370	525	935	1,500	2,100	2,985	5,185	14,475
	50	140	290	545	775	1,380	2,210	3,155	4,475	7,655	18,666
	0-35	155	330	620	875	1,565	2,500	3,495	4,950	8,640	22,813
85	70	100	210	395	540	960	1,590	2,160	3,070	5,415	15,320
	50	165	350	655	915	1,660	2,650	3,735	5,295	9,045	23,062
	0-43	170	360	680	960	1,710	2,735	3,850	5,460	9,475	24,851
100	80	120	255	490	690	1,230	1,960	2,735	3,880	6,780	19,198
	60	190	400	755	1,080	1,900	3,050	4,315	6,140	10,600	26,542
	0-48	200	420	800	1,120	2,000	3,200	4,480	6,350	11,000	29,476
125	100	145	300	585	825	1,470	2,350	3,365	4,765	8,140	23,900
	80	230	480	905	1,275	2,280	3,645	5,115	7,250	12,500	31,378
	0-62	245	510	965	1,365	2,435	3,900	5,535	7,850	13,420	35,922
150	125	160	335	645	910	1,625	2,590	3,640	5,270	9,000	26,126
	100	265	555	1,050	1,490	2,645	4,230	5,930	8,415	14,650	36,170
	0-76	285	580	1,140	1,600	2,870	4,590	6,420	9,140	15,800	42,368
175	150	165	350	655	915	1,660	2,650	3,775	5,295	9,045	28,177
	125	290	600	1,160	1,630	2,915	4,665	6,550	9,285	15,900	39,252
	0-87	330	680	1,310	1,840	3,300	5,270	7,410	10,500	18,000	49,436
200	150	285	580	1,125	1,600	2,850	4,480	6,290	9,060	15,450	42,109
	125	360	740	1,420	2,000	3,570	5,725	8,015	11,350	19,700	50,199
	0-103	375	780	1,485	2,100	3,740	5,990	8,390	11,875	20,670	55,471
225	175	290	605	1,170	1,625	2,945	4,700	6,600	9,400	16,200	44,785
	150	390	810	1,540	2,180	3,885	6,200	8,715	12,350	21,300	53,605
	0-117	420	875	1,655	2,340	4,175	6,680	9,375	13,300	23,000	61,917
250	200	310	640	1,250	1,730	3,100	4,920	6,920	9,840	17,000	47,309
	150	450	935	1,775	2,500	4,465	7,155	10,000	14,200	24,700	63,991
	0-131	460	970	1,830	2,590	4,615	7,395	10,300	14,725	25,450	68,363
*275	225	290	610	1,160	1,640	2,930	4,670	6,560	9,335	16,150	
	200	415	855	1,640	2,320	4,140	6,600	9,275	13,200	22,830	
	0-145	505	1,040	2,000	2,830	5,050	8,050	11,310	16,100	27,840	
*300	250	310	635	1,220	1,720	3,070	4,890	6,870	9,780	18,900	
	225	415	860	1,650	2,330	4,160	6,640	9,330	13,270	22,900	
	0-160	550	1,130	2,170	3,070	5,475	8,730	12,270	17,460	30,200	

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 * Cast steel construction required for service above 250 psig