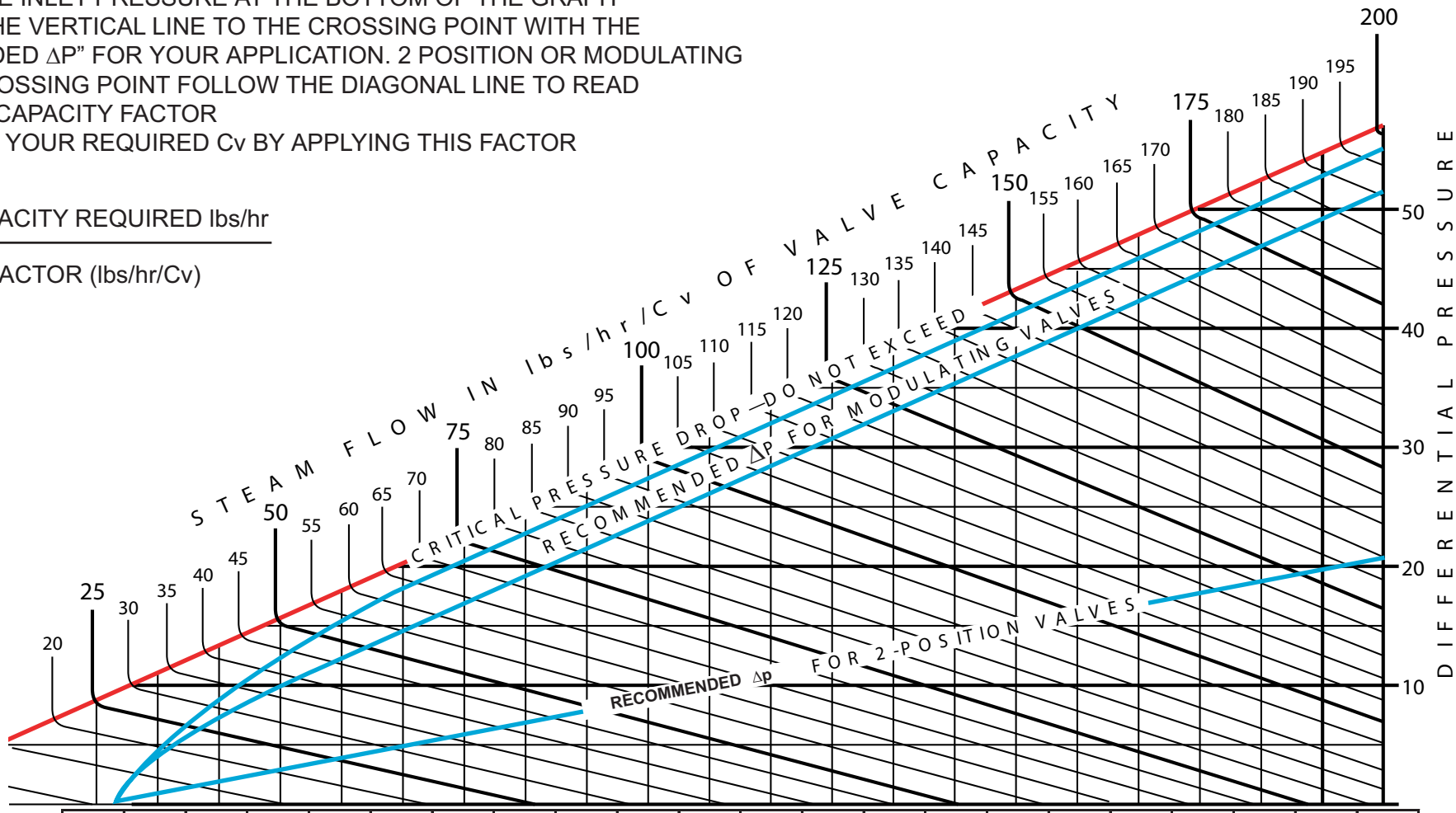
Cv STEAM CHART

TO USE THIS GRAPH
1- SELECT THE INLET PRESSURE AT THE BOTTOM OF THE GRAPH
2- FOLLOW THE VERTICAL LINE TO THE CROSSING POINT WITH THE "RECOMMENDED ΔP" FOR YOUR APPLICATION. 2 POSITION OR MODULATING
3-AT THAT CROSSING POINT FOLLOW THE DIAGONAL LINE TO READ YOUR VALVE CAPACITY FACTOR
4-CALCULATE YOUR REQUIRED Cv BY APPLYING THIS FACTOR

$$Cv = \frac{\text{CAPACITY REQUIRED lbs/hr}}{\text{FACTOR (lbs/hr/Cv)}}$$



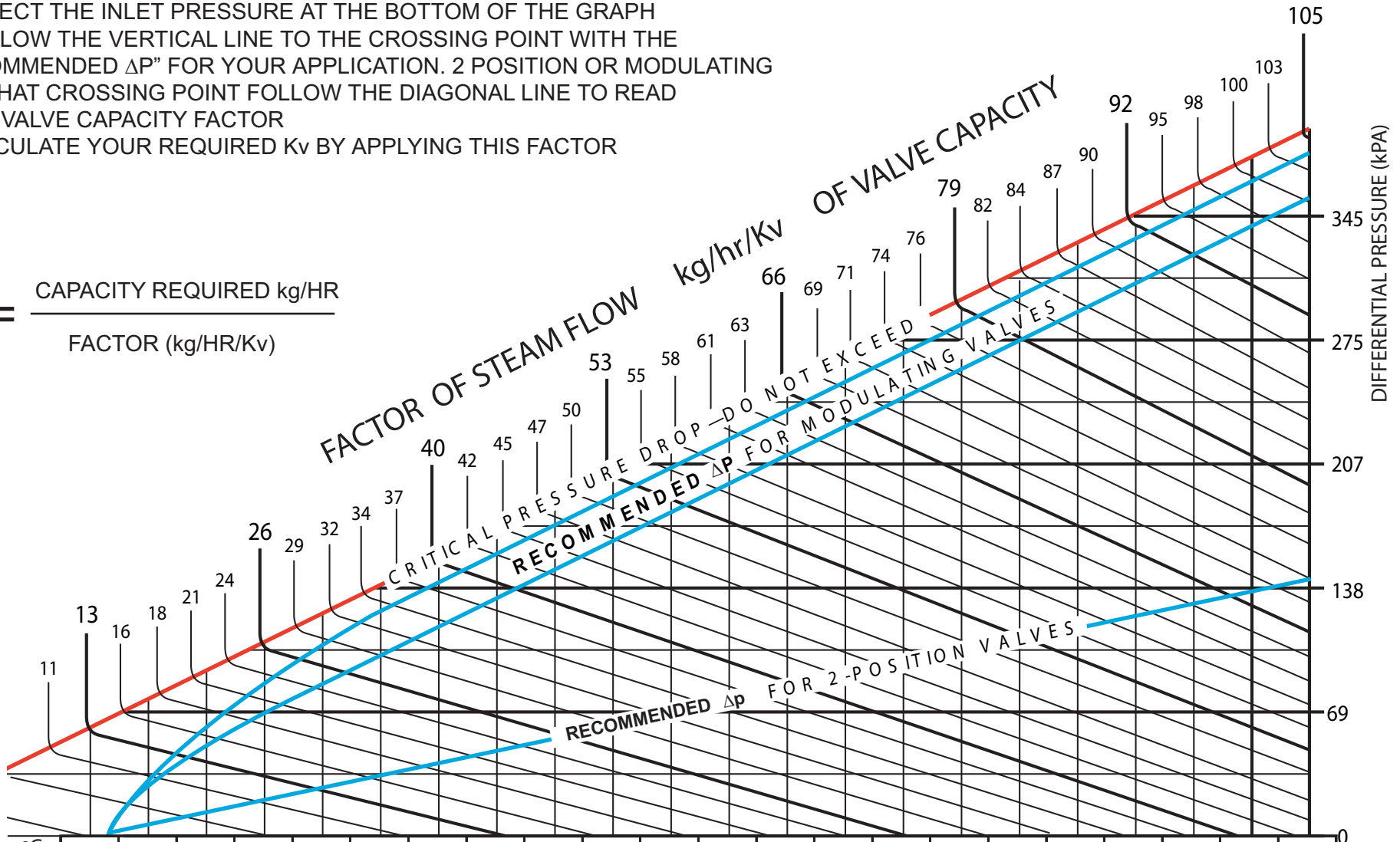
PSI	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105
F	212	227	240	250	260	268	275	281	287	293	298	303	308	312	316	320	324	328	332	335	338	339
C	100	108	116	121	127	131	135	138	142	145	148	151	153	156	158	160	162	164	167	168	170	171
Kpa	0	34	69	103	138	172	207	241	276	310	345	379	414	448	483	517	552	586	620	655	689	724
Bar	0.00	0.34	0.69	1.03	1.38	1.72	2.07	2.41	2.76	3.10	3.45	3.79	4.14	4.48	4.83	5.17	5.52	5.86	6.20	6.55	6.89	7.24

Spartan Peripheral Devices telephone: (450) 424-6067 • fax: (450) 424-6071 • email: info@ spartan-pd.com • website: www.spartan-pd.com

Kv STEAM CHART

TO USE THIS GRAPH
1- SELECT THE INLET PRESSURE AT THE BOTTOM OF THE GRAPH
2- FOLLOW THE VERTICAL LINE TO THE CROSSING POINT WITH THE "RECOMMENDED ΔP" FOR YOUR APPLICATION. 2 POSITION OR MODULATING
3-AT THAT CROSSING POINT FOLLOW THE DIAGONAL LINE TO READ YOUR VALVE CAPACITY FACTOR
4-CALCULATE YOUR REQUIRED Kv BY APPLYING THIS FACTOR

$$Kv = \frac{\text{CAPACITY REQUIRED kg/HR}}{\text{FACTOR (kg/HR/Kv)}}$$



°C	100	108	116	121	127	131	135	138	142	145	148	151	153	156	158	160	162	164	167	168	170	171
kPa	0	34	69	103	138	172	207	241	276	310	345	379	414	448	483	517	552	586	620	655	689	724
bar	0.00	0.34	0.69	1.03	1.38	1.72	2.07	2.41	2.76	3.10	3.45	3.79	4.14	4.48	4.83	5.17	5.52	5.86	6.20	6.55	6.89	7.24

Spartan Peripheral Devices telephone: (450) 424-6067 • fax: (450) 424-6071 • email: info@ spartan-pd.com • website: www.spartan-pd.com