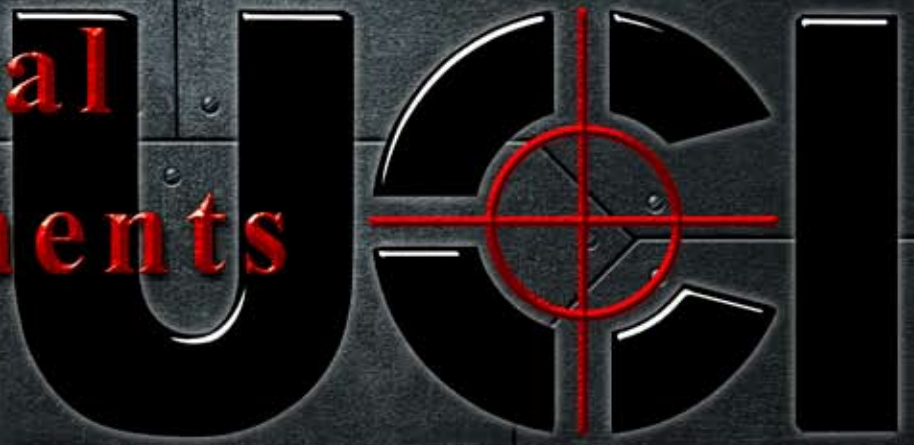


Universal
Components
Inc.



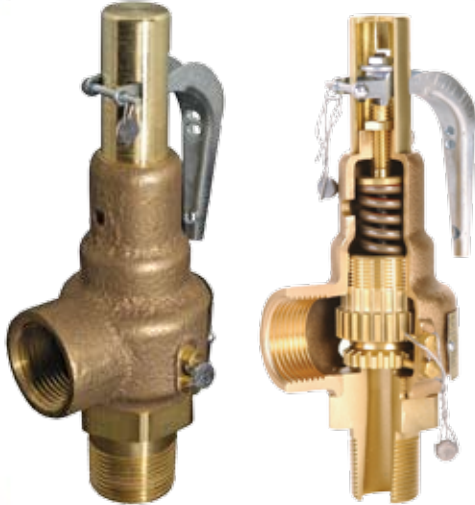
MultiPurpose
Relief Valves



CV19 SERIES SAFETY RELIEF VALVE

Features:

- Bronze Construction
- Stainless Steel Spring
- Brass Cap
- ASME and CRN Certifications (CE Opt)
- Teflon® PFA Fluorocarbon Seat
- Optional Anti-Vibration Dampened Lever
- Maximum Temperature 400°F
- Set Pressure Ranges 15 - 300PSI in 5 PSI Increments



NPT SIZE Inlet X Outlet	Part #
1/2" x 3/4"	CV19-0406-**
3/4" x 3/4"	CV19-0606-**
3/4" x 1"	CV19-0608-**
1" x 1"	CV19-0808-**
1" x 1-1/4"	CV19-0810-**
1-1/4" x 1-1/4"	CV19-1010-**
1-1/4" x 1-1/2"	CV19-1012-**
1-1/2" x 1-1/2"	CV19-1212-**
1-1/2" x 2"	CV19-1216-**
2" x 2"	CV19-1616-**
2" x 2-1/2"	CV19-1620-**
2-1/2" x 2-1/2"	CV19-2020-**

How to Order CV19 Series Safety Relief Valve

CV19

Valve
Series

16

Inlet

04=1/2"
06=3/4"
08=1"
10=1-1/4"
12=1-1/2"
16=2"
20=2-1/2"

20

Outlet

06=3/4"
08=1"
10=1-1/4"
12=1-1/2"
16=2"
20=2-1/2"

-

250

Set
Pressure
(PSIG)

15 - 300PSI
in 5 PSI
increments

A

Service Media

F = Steam

U = Steam

A = Air

V

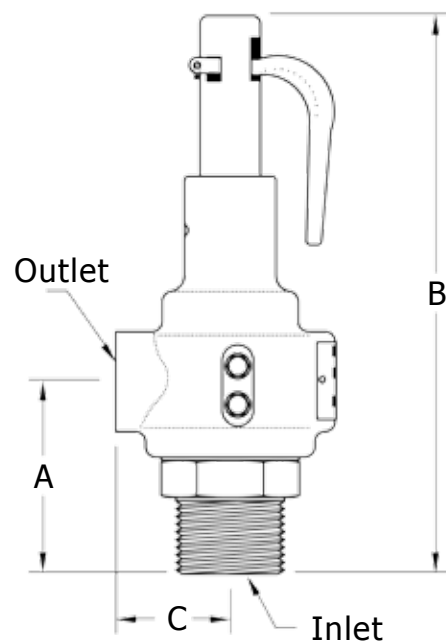
UV

UV

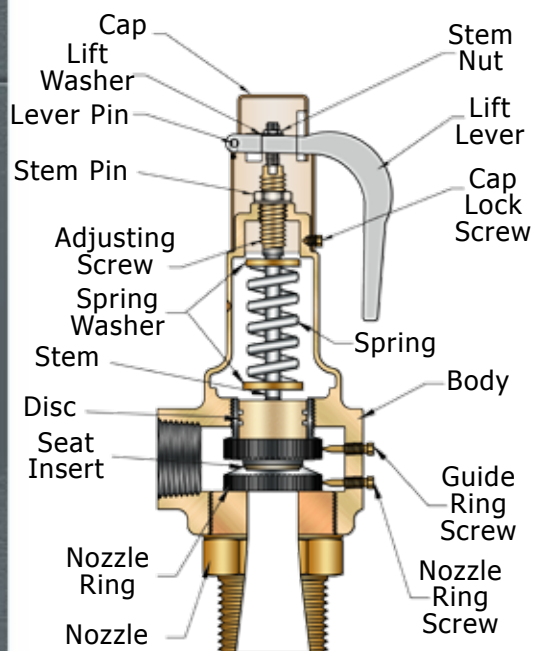


Dimensions

PART #	A	B	C	Inlet NPT	Outlet NPT	Orifice
CV19-0406-**-	2.21	6.52	1.37	1/2"	3/4"	D
CV19-0606-**-	2.21	6.52	1.37	3/4"	3/4"	D
CV19-0608-**-	2.50	7.16	1.75	3/4"	1"	E
CV19-0808-**-	2.64	7.30	1.75	1"	1"	E
CV19-0810-**-	2.95	9.34	2.00	1"	1-1/4"	F
CV19-1010-**-	2.95	9.34	2.00	1-1/4"	1-1/4"	F
CV19-1012-**-	3.38	11.01	2.37	1-1/4"	1-1/2"	G
CV19-1212-**-	3.38	11.01	2.37	1-1/2"	1-1/2"	G
CV19-1216-**-	3.63	11.96	2.75	1-1/2"	2"	H
CV19-1616-**-	3.63	11.96	2.75	2"	2"	H
CV19-1620-**-	4.06	14.25	3.50	2"	2-1/2"	J
CV19-2020-**-	4.50	14.68	3.50	2-1/2"	2-1/2"	J



Bill of Materials



Description	Material	Description	Material
Cap	Brass	Seat Insert	PFA Teflon®
Stem Nut	Steel (plated)	Lift Washer	Steel (plated)
Cap Lock Screw	Brass	lever Pin	Steel (plated)
Lift Lever	Steel (plated)	Adj.Screw Locknut	Steel (plated)
Body	Bronze	Adjusting Screw	Brass
Spring Washer	Brass	Spring	Stainless Steel
Giude Ring	Brass	Stem	Stainless Steel
Disc	Brass	Nozzle Ring	Brass
Guide Ring Screw	Brass	Nozzle	Brass
Nozzel Ring Screw	Brass	Nameplate	stainless Steel



CV19 SERIES FLOW DATA

ALL SPECIFICATIONS AND DIMENSIONS SUBJECT TO CHANGE WITHOUT NOTICE

F =  STEAM

FIRED VESSELS

ASME SECTION I-POWER BOILERS
19 SERIES BRONZE SAFETY VALVES STEAM
CAPACITY CHART - POWER BOILER CODE
A.S.M.E. (V) RATING-90% OF ACTUAL
CAPACITY AT 3% ACCUMULATION CAPACITY
IN POUNDS OF SATURATED STEAM PER HOUR

U =  STEAM

UNFIRED VESSELS

ASME SECTION VIII-PRESSURE VESSEL
19 SERIES BRONZE SAFETY VALVES STEAM
CAPACITY CHART - PRESSURE VESSEL CODE
A.S.M.E. (UV) RATING-90% OF ACTUAL
CAPACITY AT 10% ACCUMULATION CAPACITY
IN POUNDS OF SATURATED STEAM PER HOUR

A =  AIR

UNFIRED VESSELS

ASME SECTION VIII-PRESSURE VESSEL
19 SERIES BRONZE SAFETY VALVES AIR
CAPACITY CHART - PRESSURE VESSEL CODE
A.S.M.E. (UV) RATING-90% OF ACTUAL
CAPACITY AT 10% ACCUMULATION CAPACITY
IN CUBIC FEET OF PER MINUTE AT 14.7 P.S.I.A.-60°F

SET Pressure (PSIG)	MODEL CV19-0406-** CV19-0606-**			MODEL CV19-0608-** CV19-0808-**			MODEL CV19-0810-** CV19-1010-**			MODEL CV19-1012-** CV19-1212-**			MODEL CV19-1216-** CV19-1616-**			MODEL CV19-1620-** CV19-2020-**		
	F	U	A	F	U	A	F	U	A	F	U	A	F	U	A	F	U	A
																		
15	174	179	64	310	320	114	484	499	178	794	820	292	1240	1279	455	2035	2100	747
20	201	207	74	359	369	131	561	576	205	920	945	336	1435	1474	525	2356	2421	862
25	229	234	83	408	418	149	637	652	232	1045	1070	381	1631	1670	594	2677	2742	976
30	256	262	93	457	467	166	713	729	259	1170	1195	426	1826	1865	664	2998	3063	1090
35	284	292	104	506	521	185	790	813	289	1296	1333	475	2022	2080	740	3319	3416	1216
40	311	322	115	555	574	204	866	897	319	1421	1471	524	2217	2295	817	3641	3769	1342
45	339	352	125	604	628	224	942	981	349	1546	1609	573	2413	2510	894	3962	4122	1467
50	366	383	136	653	682	243	1019	1065	379	1672	1747	622	2608	2725	970	4283	4475	1593
55	394	413	147	702	736	262	1095	1149	409	1797	1885	671	2804	2941	1047	4604	4828	1719
60	421	443	158	751	790	281	1172	1233	439	1922	2022	720	2999	3156	1123	4925	5181	1844
65	448	473	168	800	844	300	1248	1317	469	2048	2160	769	3195	3371	1200	5246	5535	1970
70	476	503	179	849	897	319	1326	1401	499	2175	2298	818	3394	3586	1276	5573	5888	2096
75	505	534	190	900	951	339	1405	1485	528	2304	2436	867	3596	3801	1353	5904	6241	2221
80	533	564	201	950	1005	358	1483	1569	558	2433	2574	916	3797	4016	1429	6234	6594	2347
85	561	594	211	1001	1059	377	1562	1653	588	2563	2712	965	3998	4231	1506	6565	6947	2473
90	590	624	222	1051	1113	396	1641	1737	618	2692	2849	1014	4200	4446	1583	6896	7300	2598
95	618	654	233	1101	1167	415	1719	1821	648	2821	2987	1063	4401	4661	1659	7226	7653	2724
100	646	684	244	1152	1220	434	1798	1905	678	2950	3125	1112	4602	4876	1736	7557	8007	2850
105	674	715	254	1202	1274	454	1877	1989	708	3079	3263	1161	4804	5091	1812	7888	8360	2976
110	703	745	265	1253	1328	473	1955	2073	738	3208	3401	1211	5005	5306	1889	8218	8713	3101
115	731	775	276	1303	1382	492	2034	2157	768	3337	3539	1260	5207	5521	1965	8549	9066	3227
120	759	805	287	1353	1436	511	2113	2241	798	3466	3677	1309	5408	5736	2042	8880	9419	3353
125	787	835	297	1404	1489	530	2191	2325	828	3595	3814	1358	5609	5951	2118	9210	9772	3478
130	816	866	308	1454	1543	549	2270	2409	857	3724	3952	1407	5811	6167	2195	9541	10125	3604
135	844	896	319	1505	1597	568	2349	2493	887	3853	4090	1456	6012	6382	2271	9872	10479	3730
140	872	926	330	1555	1651	588	2427	2577	917	3982	4228	1505	6213	6597	2348	10202	10832	3855
145	900	956	340	1605	1705	607	2506	2661	947	4111	4366	1554	6415	6812	2425	10533	11185	3981
150	929	986	351	1656	1759	626	2585	2745	977	4240	4504	1603	6616	7027	2501	10864	11538	4107
160	985	1047	373	1757	1866	664	2742	2913	1037	4499	4779	1701	7019	7457	2654	11525	12224	4358
170	1042	1107	394	1857	1974	703	2899	3081	1097	4757	5055	1799	7422	7887	2807	12186	12951	4610
180	1098	1167	416	1958	2082	741	3057	3249	1156	5015	5331	1897	7824	8317	2960	12848	13657	4861
190	1155	1228	437	2059	2189	779	3214	3417	1216	5273	5606	1996	8227	8747	3114	13509	14363	5112
200	1211	1288	459	2160	2297	818	3371	3585	1276	5531	5882	2094	8630	9177	3267	14170	15069	5364
210	1268	1349	480	2261	2405	856	3529	3753	1336	5789	6158	2192	9033	9608	3420	14832	15776	5615
220	1324	1409	502	2361	2512	894	3686	3921	1396	6047	6433	2290	9436	10038	3573	15493	16482	5867
230	1381	1469	523	2462	2620	932	3843	4089	1456	6305	6709	2388	9838	10468	3726	16154	17188	6118
240	1438	1530	545	2563	2727	971	4001	4257	1515	6564	6985	2486	10241	10898	3879	16816	17894	6369
250	1494	1590	566	2664	2835	1009	4158	4425	1575	6822	7260	2584	10644	11328	4032	17477	18601	6621
260	1551	1651	587	2765	2943	1047	4315	4593	1635	7080	7536	2682	11047	11758	4185	18138	19307	6872
270	1607	1711	609	2865	3050	1086	4473	4761	1695	7338	7812	2781	11449	12188	4338	18800	20013	7124
280	1664	1771	630	2966	3158	1124	4630	4929	1755	7596	8087	2879	11852	12618	4491	19461	20720	7375
290	1720	1832	652	3067	3266	1162	4787	5097	1814	7854	8363	2977	12255	13049	4645	20122	21426	7626
300	1777	1892	673	3168	3373	1201	4945	5265	3075	8112	8639	3075	12658	13479	4798	20784	22132	7878

** Designates Pressure Setting of Valve, (Example: CV19-1212-150A)

CV500 SERIES SAFETY RELIEF VALVE



Features:

- Bronze, Carbon, or all Stainless Steel Construction
- Trim Design, Suitable for Steam, Air, Gas, Liquid
- Metal to Metal, PCTFE or Elastomer O-Ring Seats
- Short Tuned Blowdown and Back Pressure Tight Body Minimizes Fugitive Emissions and Product Loss
- ASME Section VIII Air, Steam and Liquid Services, Sizes 1/2" to 2" NPT Available
- Set Pressure Range 5 to 900 PSIG @ 800°F Maximum
- High Capacity full Nozzle Design, Stainless Steel Springs
- Integral Lift Stop, Self-Aligning Pivoting Disc
- API 527 Seat Tightness, Standard for all Models
- CSA B51 CRN OG8547-SC

Options

- Screwed Cap (standard), Packed Lift Lever, Special Cleaning and Test Gags Available
- Elastomer or PCTFE Soft Seats for Exceptional Tightness
- High Temperature Alloy Springs for 422°F to 800°F Service
- Cryogenic Preparation to -400°F (consult factory)

Soft Seat Pressure & Temperature Limits

Seat Material	Set Pressure		Temperature	
	Min.	Max.	Min.	Max.
VITON	15	900	-15°F	400°F
EPDM	15	900	-70°F	250°F
SILICONE	15	900	-60°F	450°F
NEOPRENE	15	900	-35°F	225°F
NITRIL/BUNA-N	15	900	-30°F	250°F
PCTFE	15	500	-320°F	250°F

Metal to Metal Pressure/Temperature Ratings

Series	CV51	CV52	CV53	CV54
Body	Bronze	Bronze	Carbon	Stainless
Trim	Brass	Stainless	Stainless	Stainless
Max. Set-Steam	250 PSI	300 PSI	900 PSIG D/E 600 PSIG F/G 500 PSIG H/J	900 PSIG D/E 600 PSIG F/G 500 PSIG H/J
Max. Set-Air, Gas, Liquid	300 PSI	900 PSIG D/E 600 PSIG F/G 500 PSIG H/J	900 PSIG D/E 600 PSIG F/G 500 PSIG H/J	900 PSIG D/E 600 PSIG F/G 500 PSIG H/J
Temp. Limits	-60/406°F	-60/422°F	-20/800°F	-60/800°F

ORIFICE			ORIFICE		
PART NO.	GROUP	INLET/OUTLET	PART NO.	GROUP	INLET/OUTLET
CV5**-0406	D	1/2" MNPT X 3/4" FNPT*	CV5**-1012	F	1-1/4" MNPT X 1-1/2" FNPT
CV5**-0408	D	1/2" MNPT X 1" FNPT	CV5**-1016	G	1-1/4" MNPT X 2" FNPT
CV5**-0606	D	3/4" MNPT X 3/4" FNPT*	CV5**-1216	G	1-1/2" MNPT X 2" FNPT
CV5**-0608	D	3/4" MNPT X 1" FNPT	CV5**-1220	H	1-1/2" MNPT X 2-1/2" FNPT
CV5**-0610	E	3/4" MNPT X 1-1/4" FNPT	CV5**-1620	H	2" MNPT X 2-1/2" FNPT
CV5**-0810	E	1" MNPT X 1-1/4" FNPT	CV5**-1624	J	2" MNPT X 3" FNPT
CV5**-0812	F	1" MNPT X 1-1/2" FNPT	* Available in series CV51 & CV52 Only		



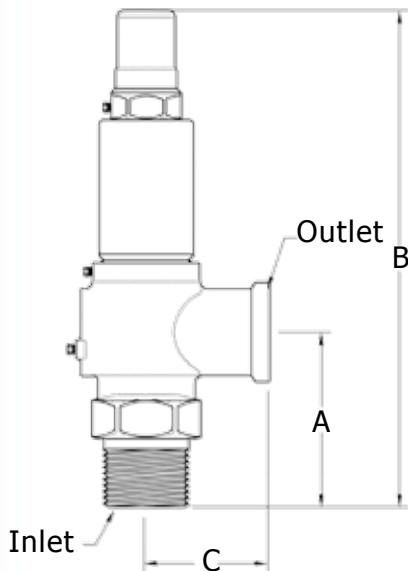
CV500 SERIES SAFETY RELIEF VALVE

How to Order CV500 Series Relief Valve

CV51	1	-	0406	-	325	M	K	D	HT
Series	Cap		Size		Set Pressure	Seat	Service Code	Orifice Group	Special Options
CV51 = Bronze/Brass	1 = Screwed Cap		0406* 1012			M =Metal	J = Sec VIII liquid	D	HT - High Temperature Spring
CV52 = Bronze/	2 = Screwed+gag		0408 1016		5-900 PSI Available	B =Buna-n	K = Sec VIII air/gas	E	
Stainless	3 = Packed Lever		0606* 1216			E =EPDM	L = Sec VIII steam	F	OX = Cleaned for Oxygen
CV53 = Carbon/	4 = Packed+gag		0608 1220			K =PCTFE	M = Non Code liquid	G	(if no options needed leave blank)
Stainless			0610 1620			N =Neoprene	N = Non Code air/gas	H	
CV54 = All Stainless			0810 1624			S =Silicone	P = Non Code steam	J	
			0812			V =Viton	Q = Vacuum		

Note: 1. The ASME Code Section VIII requires a lift lever for the following services: air, steam or hot water over 140°F
 2. Maximum back pressure is 50 PSIG
 3. High temperature stainless steel alloy spring is required above 422°F/217°C Specify option "HT"

Dimensions



PART #	A	B	C	Inlet NPT	Outlet NPT	Orifice
CV5**0406	2.38	7.50	1.63	1/2"	3/4"	D
CV5**0408	2.38	7.50	1.63	1/2"	1"	D
CV5**0606	2.38	7.50	1.63	3/4"	3/4"	D
CV5**0608	2.38	7.50	1.63	3/4"	1"	D
CV5**0610	2.63	9.00	2.00	3/4"	1-1/4"	E
CV5**0810	2.63	9.00	2.00	1"	1-1/4"	E
CV5**0812	2.83	10.25	2.38	1"	1-1/2"	F
CV5**1012	2.83	10.25	2.38	1-1/4"	1-1/2"	F
CV5**1016	3.25	13.25	2.63	1-1/4"	2"	G
CV5**1216	3.25	13.25	2.68	1-1/2"	2"	G
CV5**1220	3.50	15.00	2.75	1-1/2"	2-1/2"	H
CV5**1620	3.50	15.00	2.75	2"	2-1/2"	H
CV5**1624	4.00	17.00	3.25	2"	3"	J

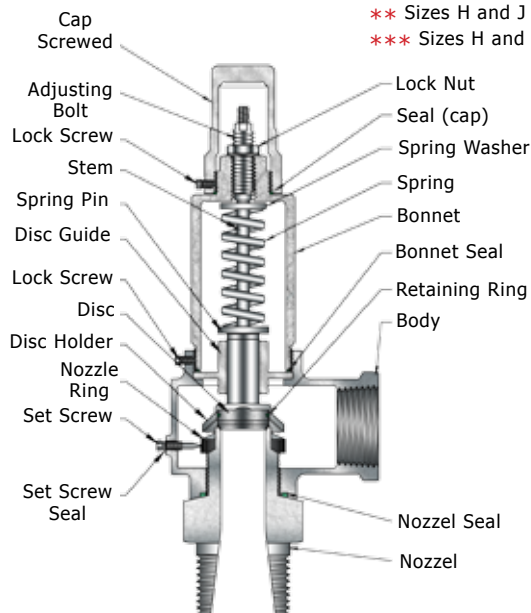


CV500 SERIES SAFETY RELIEF VALVE

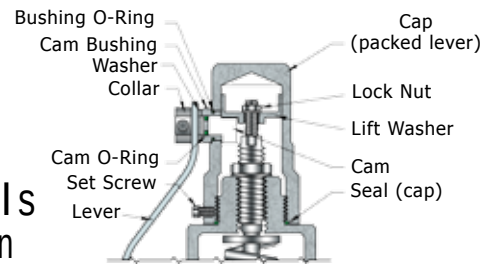
Bill of Materials

Description	Material 510 Series	Material 520 Series	Material 530 Series	Material 540 Series
Body	Bronze B-584-C844	Bronze B-584-C844	Steel SA-216 WCB	S.S. SA-351-CF8M
Bonnet	Brass *	Brass *	Steel **	316 Stainless Steel ***
Bonnet Seal	PTFE	PTFE	PTFE	PTFE
Nozzel	Brass B-16	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel
Nozzel Seal	PTFE	PTFE	PTFE	PTFE
Nozzel Ring	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel
Set Screw	Brass	Brass	316 Stainless Steel	316 Stainless Steel
Set Screw Seal	PTFE	PTFE	PTFE	PTFE
Disc Holder	Brass	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel
Disc	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel
Retaining Ring	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Disc Guide	Brass	Brass	316 Stainless Steel	316 Stainless Steel
Stem	Brass	Brass	316 Stainless Steel	316 Stainless Steel
Spring Pin	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Spring Washer	Brass	Brass	316 Stainless Steel	316 Stainless Steel
Adjusting Bolt	Brass	Brass	316 Stainless Steel	316 Stainless Steel
Lock Nut	Brass	Brass	316 Stainless Steel	316 Stainless Steel
Spring	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Spring (High Temp)	Inconel	Inconel	Inconel	Inconel
Lock Screw	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Cap (screwed)	Brass	Brass	Steel	316 Stainless Steel
Seal (Cap)	Viton	Viton	Viton	Viton
Nameplate	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Drive Screw	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Seal & Wire	Lead/Stainless Steel	Lead/Stainless Steel	Lead/Stainless Steel	Lead/Stainless Steel

Note: * Sizes G, H and J are Cast Bronze
 ** Sizes H and J are Cast Steel
 *** Sizes H and J are Cast Stainless Steel Type 316



Bill of Materials Lift Lever Option



Description	Material 513,523 Series	Material 533 Series	Material 543 Series
Cap (Packed Lever)	Brass	Steel	316 Stainless Steel
Cam	Stainless Steel	Stainless Steel	Stainless Steel
Lever	Stainless Steel	Stainless Steel	Stainless Steel
Lift Washer	Stainless Steel	Stainless Steel	Stainless Steel
Locknut	Stainless Steel	Stainless Steel	Stainless Steel
Collar	Stainless Steel	Stainless Steel	Stainless Steel
Cam Bushing	Brass	Stainless Steel	Stainless Steel
Cam O-Ring	Viton	Viton	Viton
Bushing O-Ring	Viton	Viton	Viton
Seal (cap)	Viton	Viton	Viton
Set Screw	Stainless Steel	Stainless Steel	Stainless Steel
Washer	PTFE	PTFE	PTFE



CV500 SERIES FLOW DATA

ALL SPECIFICATIONS AND DIMENSIONS SUBJECT TO CHANGE WITHOUT NOTICE

AIR



ASME SECTION VIII Air
Standard Cubic Feet Per Minute
of Air at 10% Overpressure
National Board Certified
Ratings are 90% of Actual

STEAM



ASME SECTION VIII Steam
Pounds Per Hour Steam
at 10% Overpressure
National Board Certified
Ratings are 90% of Actual

LIQUID



ASME SECTION VIII Liquid
U.S. Gallons Per Minute of Water
at 10% Overpressure
National Board Certified
Ratings are 90% of Actual

D				E			F			G			H			J			
AREA SQ.IN 0.1295				0.2282			0.3589			0.5890			0.9195			1.5044			
SET PRESSURE	SCFM UV	LB/hr UV	GPM UV	SCFM UV	LB/hr UV	GPM UV	SCFM UV	LB/hr UV	GPM UV	SCFM UV	LB/hr UV	GPM UV	SCFM UV	LB/hr UV	GPM UV	SCFM UV	LB/hr UV	GPM UV	
5*	39	122	13	69	216	24	108	339	37	178	557	61	277	869	95	454	1422	156	
10*	54	168	14	96	295	24	151	465	38	248	762	63	387	1190	98	633	1947	161	
15	67	188	14	118	331	25	185	520	40	304	853	65	474	1332	102	776	2180	167	
20	77	216	16	136	381	29	213	600	45	350	984	74	547	1536	115	895	2513	189	
25	87	245	18	154	432	32	242	679	50	397	1114	82	619	1740	127	1013	2846	208	
30	97	274	19	172	482	34	270	759	54	443	1245	89	692	1943	138	1132	3180	226	
35	109	305	21	191	538	37	301	846	58	494	1388	96	772	2168	149	1262	3546	244	
40	120	337	22	211	593	40	332	934	62	545	1532	102	851	2392	160	1393	3913	261	
45	131	368	24	231	649	42	363	1021	66	596	1676	108	931	2616	169	1523	4280	277	
50	142	400	25	251	705	44	395	1108	70	648	1819	114	1011	2840	178	1654	4646	292	
55	154	431	26	271	760	46	426	1196	73	699	1963	120	1091	3064	187	1784	5013	306	
60	165	463	28	290	816	48	457	1283	76	750	2106	125	1170	3288	195	1915	5380	320	
65	176	494	29	310	872	50	488	1371	79	801	2250	130	1250	3512	203	2045	5746	333	
70	187	526	30	330	927	52	519	1458	82	852	2393	135	1330	3736	211	2176	6113	345	
75	198	558	31	350	983	54	550	1546	85	903	2537	140	1410	3960	218	2306	6479	357	
80	210	589	32	370	1038	56	581	1633	88	954	2680	145	1489	4184	226	2437	6846	369	
85	221	621	33	389	1094	58	612	1721	91	1005	2824	149	1569	4408	233	2567	7213	381	
90	232	652	34	409	1150	59	644	1808	93	1056	2968	153	1649	4632	239	2698	7579	392	
95	243	684	35	429	1205	61	675	1896	96	1107	3111	158	1729	4857	246	2828	7946	402	
100	255	715	36	449	1261	63	706	1983	98	1158	3255	162	1808	5081	252	2959	8313	413	
125	311	873	40	548	1539	70	862	2421	110	1414	3972	181	2207	6201	282	3611	10146	462	
150	367	1031	44	647	1817	77	1017	2858	121	1669	4690	198	2606	7322	309	4264	11979	506	
175	423	1189	47	746	2095	83	1179	3295	130	1925	5408	214	3005	8442	334	4916	13812	546	
200	479	1346	50	845	2373	89	1329	3733	139	2180	6126	229	3404	9562	357	5569	15645	584	
225	535	1504	53	944	2651	94	1484	4170	148	2436	6843	242	3802	10683	378	6221	17478	619	
250	592	1662	56	1043	2929	99	1640	4607	156	2691	7561	256	4201	11803	399	6874	19312	653	
275	648	1820	59	1142	3207	104	1796	5045	163	2947	8279	268	4600	12924	418	7526	21145	685	
300	704	1977	62	1240	3485	108	1951	5482	171	3202	8997	280	4999	14044	437	8179	22978	715	
325	760	2135	64	1339	3763	113	2107	5919	178	3458	9714	291	5398	15165	455	8831	24811	744	
350	816	2293	66	1438	4041	117	2263	6357	184	3713	10432	302	5796	16285	472	9484	26644	772	
375	872	2451	69	1537	4319	121	2418	6794	191	3969	11150	313	6195	17405	489	10136	28477	799	
400	928	2608	71	1636	4597	125	2574	7231	197	4224	11867	323	6594	18526	505	10789	30311	826	
425	985	2766	73	1735	4875	129	2730	7669	203	4480	12585	333	6993	19646	520	11441	32144	851	
450	1041	2924	75	1834	5153	133	2885	8106	209	4735	13303	343	7392	20767	535	12094	33977	876	
475	1097	3082	77	1933	5431	136	3041	8543	215	4991	14021	352	7791	21887	550	12746	35810	900	
500	1153	3239	79	2032	5709	140	3197	8981	220	5246	14738	361	8189	23008	564	13399	37643	923	
525	1209	3397	81	2131	5987	143	3352	9418	226	5501	15456	370							
550	1265	3555	83	2230	6266	147	3508	9855	231	5757	16174	379							
575	1321	3713	85	2329	6544	150	3664	10293	236	6012	16892	388							
600	1378	3870	87	2428	6822	153	3819	10730	241	6268	17609	396							
625	1434	4028	89	2527	7100	157													
650	1490	4186	91	2626	7378	160													
675	1546	4344	92	2725	7656	163													
700	1602	4501	94	2824	7934	166													
725	1658	4659	96	2923	8212	169													
750	1715	4817	97	3022	8490	171													
775	1771	4975	99	3121	8768	174													
800	1827	5132	100	3220	9046	177													
825	1883	5290	102	3319	9324	180													
850	1939	5448	104	3418	9602	183													
875	1995	5606	105	3517	9880	185	* Pressure Settings Below 15 PSIG are Non-ASME Code												
900	2051	5763	107	3616	10158	188													

* Pressure Settings Below 15 PSIG are Non-ASME Code