ACE
Advanced Control Engineering Pty Ltd

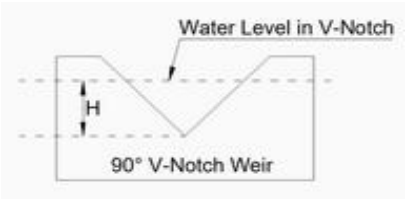
Formula used is
$Q=1365*H^{2.5}$
Q=litres per min
H=Height of water at the edge of the v-notch

Quick Ref Table for V-Notch Weir, 0 to 250 l/s

90°V

Height Above Cease to Flow Point in mm	Discharge in l/s (Litres per Second)									
	0	1	2	3	4	5	6	7	8	9
0	0.000	0.000	0.000	0.001	0.001	0.002	0.004	0.006	0.008	0.010
10	0.014	0.017	0.022	0.026	0.032	0.038	0.044	0.051	0.059	0.068
20	0.077	0.087	0.098	0.110	0.122	0.135	0.149	0.164	0.179	0.195
30	0.21	0.23	0.25	0.27	0.29	0.31	0.34	0.36	0.38	0.41
40	0.44	0.46	0.49	0.52	0.55	0.59	0.62	0.65	0.69	0.73
50	0.76	0.80	0.84	0.88	0.92	0.97	1.01	1.06	1.11	1.15
60	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.6	1.6	1.7
70	1.8	1.8	1.9	2.0	2.0	2.1	2.2	2.2	2.3	2.4
80	2.5	2.5	2.6	2.7	2.8	2.9	3.0	3.0	3.1	3.2
90	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2
100	4.3	4.4	4.5	4.6	4.8	4.9	5.0	5.1	5.2	5.4
110	5.5	5.6	5.7	5.9	6.0	6.1	6.3	6.4	6.5	6.7
120	6.8	7.0	7.1	7.2	7.4	7.5	7.7	7.8	8.0	8.2
130	8.3	8.5	8.6	8.8	9.0	9.1	9.3	9.5	9.7	9.8
140	10.0	10.2	10.4	10.6	10.7	10.9	11.1	11.3	11.5	11.7
150	11.9	12.1	12.3	12.5	12.7	12.9	13.1	13.3	13.5	13.8
160	14.0	14.2	14.4	14.6	14.9	15.1	15.3	15.6	15.8	16.0
170	16.3	16.5	16.7	17.0	17.2	17.5	17.7	18.0	18.2	18.5
180	18.8	19.0	19.3	19.6	19.8	20.1	20.4	20.6	20.9	21.2
190	21.5	21.8	22.0	22.3	22.6	22.9	23.2	23.5	23.8	24.1
200	24.4	24.7	25.0	25.3	25.7	26.0	26.3	26.6	26.9	27.3
210	27.6	27.9	28.2	28.6	28.9	29.3	29.6	29.9	30.3	30.6
220	31.0	31.3	31.7	32.1	32.4	32.8	33.1	33.5	33.9	34.3
230	34.6	35.0	35.4	35.8	36.2	36.5	36.9	37.3	37.7	38.1
240	38.5	38.9	39.3	39.7	40.1	40.6	41.0	41.4	41.8	42.2
250	42.7	43.1	43.5	43.9	44.4	44.8	45.3	45.7	46.2	46.6
260	47.1	47.5	48.0	48.4	48.9	49.3	49.8	50.3	50.8	51.2
270	51.7	52.2	52.7	53.2	53.6	54.1	54.6	55.1	55.6	56.1
280	56.6	57.1	57.6	58.2	58.7	59.2	59.7	60.2	60.8	61.3
290	61.8	62.4	62.9	63.4	64.0	64.5	65.1	65.6	66.2	66.7
300	67.3	67.8	68.4	69.0	69.6	70.1	70.7	71.3	71.9	72.4
310	73.0	73.6	74.2	74.8	75.4	76.0	76.6	77.2	77.8	78.5
320	79.1	79.7	80.3	80.9	81.6	82.2	82.8	83.5	84.1	84.7
330	85.4	86.0	86.7	87.3	88.0	88.7	89.3	90.0	90.7	91.3
340	92.0	92.7	93.4	94.1	94.7	95.4	96.1	96.8	97.5	98.2
350	98.9	99.6	100.3	101.1	101.8	102.5	103.2	103.9	104.7	105.4
360	106.1	106.9	107.6	108.4	109.1	109.9	110.6	111.4	112.1	112.9
370	113.7	114.4	115.2	116.0	116.8	117.5	118.3	119.1	119.9	120.7
380	121.5	122.3	123.1	123.9	124.7	125.5	126.4	127.2	128.0	128.8
390	129.7	130.5	131.3	132.2	133.0	133.9	134.7	135.6	136.4	137.3
400	138.1	139.0	139.9	140.7	141.6	142.5	143.4	144.3	145.1	146.0
410	146.9	147.8	148.7	149.6	150.5	151.4	152.4	153.3	154.2	155.1
420	156.0	157.0	157.9	158.8	159.8	160.7	161.7	162.6	163.6	164.5
430	165.5	166.5	167.4	168.4	169.4	170.4	171.3	172.3	173.3	174.3
440	175.3	176.3	177.3	178.3	179.3	180.3	181.3	182.3	183.4	184.4
450	185.4	186.5	187.5	188.5	189.6	190.6	191.7	192.7	193.8	194.8
460	195.9	197.0	198.0	199.1	200.2	201.3	202.3	203.4	204.5	205.6
470	206.7	207.8	208.9	210.0	211.1	212.3	213.4	214.5	215.6	216.8
480	217.9	219.0	220.2	221.3	222.5	223.6	224.8	225.9	227.1	228.2
490	229.4	230.6	231.8	232.9	234.1	235.3	236.5	237.7	238.9	240.1
500	241.3	242.5	243.7	244.9	246.2	247.4	248.6	249.8	251.1	252.3

If the water level when measured is, say 65mm above the cease to flow level. Go to the left column, then come down the left column till you reach 60, then across to the right to the 5 column, your now at 60 + 5 = 65. The flow is 1.5 litres per second. Try 17mm, it should be 0.051 l/s.



With Compliments
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