



## Pump Sizing Selection Tables "V" Series

Capacity Sq. Ft. E.D.R.	Capacity G.P.M.	Dish Press. psig	1750 R.P.M. Units			3500 R.P.M. Units			* Receiver Size (condensate units)				
			Catalog No.	Motor H.P.	Dish. Size	Catalog No.	Motor H.P.	Dish. Size	Cast Iron		Steel		
									Capacity	Return Size	Capacity	Return Size	
1,000	1-1/2	10	VCS - 11	1/3	1-1/4"				15 or 21	2"  2"	21	2-1/2"	
		15	VCS - 11-1/2	1/3	1-1/4"	VJS - 11-1/2	1/2	1-1/4"					
		20	VCS - 12	1/3	1-1/4"	VJS - 12	1/2	1-1/4"					
		30				VCS - 13	3/4	1-1/4"					
						VJS - 13	1/2	1-1/4"					
		40				VCS - 14	1	1-1/4"					
						VJS - 14	3/4	1-1/4"					
		50				VCS - 15	1-1/2	1-1/4"					
				VJS - 15	1	1-1/2"							
				VCS - 16	2	1-1/4"							
							VCS - 17-1/2	3	1-1/4"				
2,000	3	10	VCS - 21	1/3	1-1/4"				15 or 21	2"  2"	21	2-1/2"	
		15	VCS - 21-1/2	1/3	1-1/4"	VJS - 21-1/2	1/2	1-1/4"					
		20	VCS - 22	1/3	1-1/4"	VJS - 22	1/2	1-1/4"					
		30				VCS - 23	3/4	1-1/4"					
						VJS - 23	1/2	1-1/4"					
		40				VCS - 24	1	1-1/4"					
						VJS - 24	3/4	1-1/4"					
		50				VCS - 25	1-1/2	1-1/4"					
				VJS - 25	1	1-1/2"							
				VCS - 26	2	1-1/4"							
							VCS - 27-1/2	3	1-1/4"				
4,000	6	10	VCS - 41	1/3	1-1/4"				15 or 21	2"  2"	21	2-1/2"	
		15	VCS - 41-1/2	1/3	1-1/4"	VJS - 41-1/2	1/2	1-1/4"					
		20	VCS - 42	1/2	1-1/4"	VJS - 42	1/2	1-1/4"					
		30				VCS - 43	3/4	1-1/4"					
						VJS - 43	1/2	1-1/4"					
		40				VCS - 44	1	1-1/4"					
						VJS - 44	3/4	1-1/4"					
		50				VCS - 45	1-1/2	1-1/4"					
				VJS - 45	1-1/2	1-1/2"							
				VCS - 46	2	1-1/4"							
							VCS - 47-1/2	3	1-1/4"				
6,000	9	10	VCS - 61	1/3	1-1/4"				21	2"	21	2-1/2"	
		15	VCS - 61-1/2	1/3	1-1/4"	VJS - 61-1/2	1/2	1-1/4"	21	2"	21	2-1/2"	
		20	VCS - 62	1/2	1-1/4"	VJS - 62/VNS-62	1/2	1-1/4"	21	2"	21	2-1/2"	
		25	VES - 62-1/2	3/4	1-1/2"				21	2"	21	2-1/2"	
		30	VES - 63	1	1-1/2"	VCS - 63/VNS-63	3/4	1-1/4"	21	2"	21	2-1/2"	
						VJS - 63	1/2	1-1/4"	21	2"	21	2-1/2"	
		40	VAS - 64	3	2"	VCS - 64/VNS-64	1, 1-1/2	1-1/4"	45	2-1/2"	21	2-1/2"	
						VJS - 64	3/4	1-1/4"	21	2"	21	2-1/2"	
						VCS - 65	1-1/2	1-1/4"	21	2"	21	2-1/2"	
						VJS - 65	1-1/2	1-1/2"	21	2"	21	2-1/2"	
		60				VCS - 66	2	1-1/4"	21	2"	21	2-1/2"	
		75				VCS - 67-1/2	3	1-1/4"	21	2"	21	2-1/2"	
8,000	12	10	VCS - 81	1/3	1-1/4"				21	2"	21	2-1/2"	
		15	VCS - 81-1/2	1/3	1-1/4"	VJS - 81-1/2	1/2	1-1/4"	21	2"	21	2-1/2"	
		20	VCS - 82	1/2	1-1/4"	VJS - 82	1/2	1-1/4"	21	2"	21	2-1/2"	
		25	VES - 82-1/2	3/4	1-1/2"				21	2"	21	2-1/2"	
		30	VES - 83	1	1-1/2"	VCS - 83	3/4	1-1/4"	21	2"	21	2-1/2"	
						VJS - 83	1/2	1-1/4"	21	2"	21	2-1/2"	
		40	VAS - 84	3	2"	VCS - 84	1	1-1/4"	45	2-1/2"	21	2-1/2"	
						VJS - 84	1	1-1/4"	21	2"	21	2-1/2"	
						VCS - 85	1-1/2	1-1/4"	21	2"	21	2-1/2"	
						VJS - 85	1-1/2	1-1/2"	21	2"	21	2-1/2"	
		60				VCS - 86	2	1-1/4"	21	2"	21	2-1/2"	
		75				VCS - 87-1/2	3	1-1/4"	21	2"	21	2-1/2"	

Designates 2 Ft. NPSH Capability \* For boiler feed units, receiver size should be approximately 1 gallon of storage per boiler h.p.

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.

# Pump Sizing Selection Tables

## "V" Series

Capacity Sq. Ft. E.D.R.	Capacity G.P.M.	Dish Press. psig	1750 R.P.M. Units			3500 R.P.M. Units			* Receiver Size (condensate units)			
			Catalog No.	Motor H.P.	Dish Size	Catalog No.	Motor H.P.	Dish Size	Cast Iron		Steel	
									Return Capacity	Size	Return Capacity	Size
10,000	15	10	VCS - 101	1/3	1-1/4"				21	2"	21	2-1/2"
		15	VCS - 101-1/2	1/2	1-1/4"	VJS - 101-1/2	1/2	1-1/4"	21	2"	21	2-1/2"
		20	VCS - 102	1/2	1-1/4"	VJS - 102/VNS-102	1/2, 3/4	1-1/4"	21	2"	21	2-1/2"
		25	VES - 102-1/2	3/4	1-1/2"				21	2"	21	2-1/2"
		30	VES - 103	1-1/2	1-1/2"	VCS - 103/VNS-103	3/4	1-1/4"	21	2"	21	2-1/2"
						VJS - 103	3/4	1-1/4"	21	2"	21	2-1/2"
		40	VAS - 104	3	2"				45	2-1/2"	21	2-1/2"
						VCS - 104/VNS-104	1, 1-1/2	1-1/4"	21	2"	21	2-1/2"
						VJS - 104	1	1-1/4"	21	2"	21	2-1/2"
						VCS - 105	1-1/2	1-1/4"	21	2"	21	2-1/2"
15,000	22-1/2	10	VCS - 151	1/3	1-1/2"				21	2"	21	2-1/2"
		15	VCS - 151-1/2	1/2	1-1/4"	VJS - 151-1/2	1/2	1-1/4"	21	2"	21	2-1/2"
		20	VES - 152	3/4	1-1/2"	VJS - 152/VNS-152	1/2	1-1/4"	21	2"	21	2-1/2"
		25	VES - 152-1/2	1	1-1/2"				21	2"	21	2-1/2"
		30	VES - 153	1-1/2	1-1/2"	VCS - 153/VNS-153	1	1-1/4"	21	2"	21	2-1/2"
						VJS - 153	3/4	1-1/4"	21	2"	21	2-1/2"
		40	VAS - 154	3	2"				45	2-1/2"	21	2-1/2"
						VCS - 154/VNS-154	1-1/2	1-1/4"	21	2"	21	2-1/2"
						VJS - 154	1	1-1/4"	21	2"	21	2-1/2"
						VCS - 155	2	1-1/4"	21	2"	21	2-1/2"
20,000	30	10	VCS - 201	1/3	1-1/2"				45	2-1/2"	45	3"
		15	VCS - 201-1/2	1/2	1-1/4"	VJS - 201-1/2	1/2	1-1/4"				
		20	VES - 202	3/4	1-1/2"	VJS - 202/VNS-202	3/4	1-1/4"				
		25	VES - 202-1/2	1	1-1/2"							
		30	VES - 203	1-1/2	1-1/2"	VCS - 203/VNS-203	1-1/2, 1	1-1/4"				
						VJS - 203	1	1-1/4"				
		40	VAS-204	3	2"	VCS - 204/VNS-204	1-1/2, 2	1-1/4"				
						VJS - 204	1-1/2	1-1/2"				
						VCS - 205	2	1-1/4"				
						VJS - 205	1-1/2	1-1/2"				
25,000	37-1/2	10	VCS - 251	1/2	1-1/2"				45	2-1/2"	45	3"
		15	VCS - 251-1/2	3/4	1-1/2"	VJS - 251-1/2	3/4	1-1/4"				
		20	VES - 252	3/4	1-1/2"	VJS - 252	3/4	1-1/4"				
		25	VES - 252-1/2	1-1/2	1-1/2"							
		30	VES - 253	1-1/2	1-1/2"	VCS - 253	1-1/2	1-1/4"				
						VJS - 253	1	1-1/4"				
		40	VAS - 254	3	2"	VCS - 254	2	1-1/4"				
						VJS - 254	1-1/2	1-1/2"				
						VCS - 255	3	1-1/2"				
						VCS - 256	3	1-1/4"				
30,000	45	10	VCS - 301	1/2	1-1/2"				45	2-1/2"	45	3"
		15	VCS - 301-1/2	3/4	1-1/2"	VJS - 301-1/2	1	1-1/4"				
		20	VES - 302	1	1-1/2"	VJS - 302/VNS-302	1	1-1/4"				
		25	VES - 302-1/2	1-1/2	1-1/2"							
		30	VES - 303	1-1/2	1-1/2"	VCS - 303/VNS-303	1-1/2	1-1/4"				
						VJS - 303	1-1/2	1-1/2"				
		40	VAS - 304	3	2"	VCS - 304/VNS-304	2, 3	1-1/4", 2				
						VJS - 304	2	1-1/2"				
						VCS - 305/VNS-305	3, 5	1-1/2", 2				
						VCS - 306/VNS-306	3	1-1/4", 2				

Designates 2 Ft. NPSH Capability \* For boiler feed units, receiver size should be approximately 1 gallon of storage per boiler h.p.

# Pump Sizing Selection Tables

## "V" Series

Capacity Sq. Ft. E.D.R.	Capacity G.P.M.	Dish Press. psig	1750 R.P.M. Units			3500 R.P.M. Units			* Receiver Size (condensate units)			
			Catalog No.	Motor H.P.	Dish Size	Catalog No.	Motor H.P.	Dish Size	Cast Iron		Steel	
									Capacity	Return Size	Capacity	Return Size
40,000	60	10	VCS - 401	3/4	1-1/2"				65	3"	65	3"
		15	VCS - 401-1/2	1	1-1/2"	VJS - 401-1/2	1-1/2	1-1/2"	65	3"	65	3"
		20	VES - 402	1-1/2	1-1/2"	VJS - 402/VNS-402	1-1/2	1-1/2", 2"	65	3"	65	3"
		25	VES - 402-1/2	1-1/2	1-1/2"				65	3"	65	3"
		30	VES - 403	2	1-1/2"	VCS - 403/VNS-403 VJS - 403	2, 3 1-1/2	1-1/2", 2 1-1/2"	65 65	3" 3"	65 65	3" 3"
		40	VAS - 404	5	2"	VCS - 404/VNS-404 VJS - 404	3 2	1-1/2", 2 1-1/2"	65	3"	65	3"
		50				VCS - 405/VNS-405 VJS - 405	5 2	1-1/2", 2 1-1/2"	65	3"	65	3"
		60				VCS - 406/VNS-406 VJS - 406	5 2	1-1/2", 2 1-1/2"	65	3"	65	3"
		75				VCS - 407-1/2	7-1/2	1-1/2"	65	3"	65	3"
		50,000	75	10	VCS - 501	1	2"				65	3"
15	VCS - 501-1/2			1-1/2	2"	VJS - 501-1/2	1-1/2	1-1/2"	65	3"	65	3"
20	VES - 502			1-1/2	1-1/2"	VJS - 502/VNS-502	1-1/2, 2	1-1/2", 2"	65	3"	65	3"
25	VES - 502-1/2			2	1-1/2"				65	3"	65	3"
30	VAS - 503			3	1-1/2"	VCS - 503/VNS-503 VJS - 503	3 2	1-1/2", 2" 1-1/2"	65	3"	65	3"
40	VAS - 504			5	2"	VCS - 504/VNS-504 VJS - 504	3 2	1-1/2", 2" 1-1/2"	65	3"	65	3"
50						VCS - 505/VNS-505 VJS - 505	5 2	1-1/2", 2" 1-1/2"	65	3"	65	3"
60						VCS - 506/VNS-506 VJS - 506	5, 7-1/2 2	1-1/2", 2" 1-1/2"	65	3"	65	3"
60,000	90	20			VCS - 507-1/2	7-1/2	1-1/2"	65	3"	65	3"	
		30			VNS-602	2	2"	110	5"	110	4"	
		40			VNS-603	3	2"					
		50			VNS-604	5	2"					
		60			VNS-605	7-1/2	2"					
75												
65,000	97-1/2	10	VCS - 651	1-1/2	2"				110	5"	110	4"
		15	VCS - 651-1/2	1-1/2	2"	VJS - 651-1/2	2	1-1/2"				
		20	VES - 652	2	1-1/2"	VJS - 652	2	1-1/2"				
		30	VAS - 653	3	2"	VCS - 653	3	2"				
		40	VAS - 654	5	2"	VCS - 654	5	2"				
		50				VCS - 655	5	2"				
		60				VCS - 656	7-1/2	2"				
80,000	120	10	VCS - 801	1-1/2	2"				110	5"	110	4"
		15	VCS - 801-1/2	2	2"							
		20				VCS - 802	3	1-1/2"				
		30	VAS - 803	5	2"	VCS - 803	5	2"				
		40	VAS - 804	5	2"	VCS - 804	5	2"				
		50				VCS - 805	7-1/2	2"				
		60				VCS - 806	7-1/2	2"				
100,000	150	10	VCS - 1001	1-1/2	2"				110	5"	110	4"
		15				VCS - 1001-1/2	2	2"				
		20				VCS - 1002	5	2"				
		30	VAS - 1003	5	3"	VCS - 1003	5	2"				
		40	VAS - 1004	5	3"	VCS - 1004	5	2"				
		50				VCS - 1005	7-1/2	2"				
		60				VCS - 1006	10	2"				

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Condensate Recovery  
Electric Pumps