

Round Spout Inside Diameter	Square Spout Inside Dimension	Sq. In.	% FULL	NET Sq. Inch Flow Area	Grain Speed in Feet/Second										
					2	2.75	3.5	4.25	5	5.75	6.5	7.25	8		
					Grain Speed in Feet/Minute										
					120	165	210	255	300	345	390	435	480		
BPH/Square Inch of Flow Area										130.6	145.6	160.7			
					BPH for Net Flow Area (Left) at Above Speed										
2.523	2.236	5	70%	3.5	141	193	246	299	352	404	457	510	562		
4.370	3.873	15	70%	10.5	422	580	738	896	1,055	1,213	1,371	1,529	1,687		
5.642	5.000	25	70%	17.5	703	967	1,230	1,494	1,758	2,021	2,285	2,549	2,812		
6.676	5.916	35	70%	24.5	984	1,353	1,723	2,092	2,461	2,830	3,199	3,568	3,937		
7.569	6.708	45	70%	31.5	1,266	1,740	2,215	2,689	3,164	3,639	4,113	4,588	5,062		
8.368	7.416	55	70%	38.5	1,547	2,127	2,707	3,287	3,867	4,447	5,027	5,607	6,187		
9.097	8.062	65	70%	45.5	1,828	2,514	3,199	3,885	4,570	5,256	5,941	6,627	7,312		
9.772	8.660	75	70%	52.5	2,109	2,900	3,691	4,482	5,273	6,064	6,855	7,646	8,437		
10.403	9.220	85	70%	59.5	2,391	3,287	4,183	5,080	5,976	6,873	7,769	8,666	9,562		
10.998	9.747	95	70%	66.5	2,672	3,674	4,676	5,677	6,679	7,681	8,683	9,685	10,687		
11.562	10.247	105	70%	73.5	2,953	4,060	5,168	6,275	7,382	8,490	9,597	10,705	11,812		
12.101	10.724	115	70%	80.5	3,234	4,447	5,660	6,873	8,086	9,298	10,511	11,724	12,937	10-20KBPH	
12.616	11.180	125	70%	87.5	3,515	4,834	6,152	7,470	8,789	10,107	11,425	12,744	14,062		
13.111	11.619	135	70%	94.5	3,797	5,220	6,644	8,068	9,492	10,916	12,339	13,763	15,187		
13.587	12.042	145	70%	101.5	4,078	5,607	7,136	8,666	10,195	11,724	13,253	14,783	16,312		
14.048	12.450	155	70%	108.5	4,359	5,994	7,629	9,263	10,898	12,533	14,167	15,802	17,437		
14.494	12.845	165	70%	115.5	4,640	6,381	8,121	9,861	11,601	13,341	15,081	16,822	18,562		
14.927	13.229	175	70%	122.5	4,922	6,767	8,613	10,459	12,304	14,150	15,995	17,841	19,687		
15.757	13.964	195	70%	136.5	5,484	7,541	9,597	11,654	13,710	15,767	17,823	19,880	21,937		
16.545	14.663	215	70%	150.5	6,047	8,314	10,582	12,849	15,117	17,384	19,651	21,919	24,186	20-30KBPH	
17.298	15.330	235	70%	164.5	6,609	9,087	11,566	14,044	16,523	19,001	21,480	23,958	26,436		
18.019	15.969	255	70%	178.5	7,172	9,861	12,550	15,240	17,929	20,618	23,308	25,997	28,686		
18.712	16.583	275	70%	192.5	7,734	10,634	13,535	16,435	19,335	22,235	25,136	28,036	30,936		
19.381	17.176	295	70%	206.5	8,297	11,408	14,519	17,630	20,741	23,852	26,964	30,075	33,186		
20.027	17.748	315	70%	220.5	8,859	12,181	15,503	18,825	22,147	25,470	28,792	32,114	35,436	30-40KBPH	
20.653	18.303	335	70%	234.5	9,421	12,954	16,488	20,021	23,554	27,087	30,620	34,153	37,686		
21.260	18.841	355	70%	248.5	9,984	13,728	17,472	21,216	24,960	28,704	32,448	36,192	39,936		
21.851	19.365	375	70%	262.5	10,546	14,501	18,456	22,411	26,366	30,321	34,276	38,231	42,186		
22.426	19.875	395	70%	276.5	11,109	15,275	19,441	23,606	27,772	31,938	36,104	40,270	44,436	40-50KBPH	
22.987	20.372	415	70%	290.5	11,671	16,048	20,425	24,802	29,178	33,555	37,932	42,309	46,685		
23.534	20.857	435	70%	304.5	12,234	16,822	21,409	25,997	30,585	35,172	39,760	44,348	48,935		
24.069	21.331	455	70%	318.5	12,796	17,595	22,394	27,192	31,991	36,789	41,588	46,387	51,185		
24.592	21.794	475	70%	332.5	13,359	18,368	23,378	28,387	33,397	38,406	43,416	48,426	53,435	50-60KBPH	
25.105	22.249	495	70%	346.5	13,921	19,142	24,362	29,583	34,803	40,024	45,244	50,465	55,685		
25.607	22.694	515	70%	360.5	14,484	19,915	25,347	30,778	36,209	41,641	47,072	52,504	57,935		
26.099	23.130	535	70%	374.5	15,046	20,689	26,331	31,973	37,616	43,258	48,900	54,542	60,185		
26.583	23.558	555	70%	388.5	15,609	21,462	27,315	33,168	39,022	44,875	50,728	56,581	62,435	60-70KBPH	
27.058	23.979	575	70%	402.5	16,171	22,235	28,300	34,364	40,428	46,492	52,556	58,620	64,685		
27.754	24.597	605	70%	423.5	17,015	23,395	29,776	36,157	42,537	48,918	55,298	61,679	68,059		
28.434	25.199	635	70%	444.5	17,859	24,556	31,253	37,949	44,646	51,343	58,040	64,737	71,434		
29.098	25.788	665	70%	465.5	18,702	25,716	32,729	39,742	46,756	53,769	60,782	67,796	74,809	70-80KBPH	
29.747	26.363	695	70%	486.5	19,546	26,876	34,206	41,535	48,865	56,195	63,525	70,854	78,184		
30.383	26.926	725	70%	507.5	20,390	28,036	35,682	43,328	50,974	58,620	66,267	73,913	81,559		
31.005	27.477	755	70%	528.5	21,233	29,196	37,158	45,121	53,084	61,046	69,009	76,971	84,934	80-90KBPH	
31.615	28.018	785	70%	549.5	22,077	30,356	38,635	46,914	55,193	63,472	71,751	80,030	88,309		
32.213	28.548	815	70%	570.5	22,921	31,516	40,111	48,707	57,302	65,897	74,493	83,088	91,683		
32.801	29.069	845	70%	591.5	23,765	32,676	41,588	50,500	59,411	68,323	77,235	86,147	95,058	90-100KBPH	
33.378	29.580	875	70%	612.5	24,608	33,836	43,064	52,293	61,521	70,749	79,977	89,205	98,433		
33.945	30.083	905	70%	633.5	25,452	34,996	44,541	54,085	63,630	73,174	82,719	92,263	101,808		
34.503	30.578	935	70%	654.5	26,296	36,157	46,017	55,878	65,739	75,600	85,461	95,322	105,183		
35.052	31.064	965	70%	675.5	27,139	37,317	47,494	57,671	67,849	78,026	88,203	98,380	108,558		
35.593	31.544	995	70%	696.5	27,983	38,477	48,970	59,464	69,958	80,451	90,945	101,439	111,933		
36.126	32.016	1025	70%	717.5	28,827	39,637	50,447	61,257	72,067	82,877	93,687	104,497	115,307	>100KBPH	
36.651	32.481	1055	70%	738.5	29,671	40,797	51,923	63,050	74,176	85,303	96,429	107,556	118,682		
37.168	32.939	1085	70%	759.5	30,514	41,957	53,400	64,843	76,286	87,729	99,171	110,614	122,057		
37.678	33.392	1115	70%	780.5	31,358	43,117	54,876	66,636	78,395	90,154	101,913	113,673	125,432		