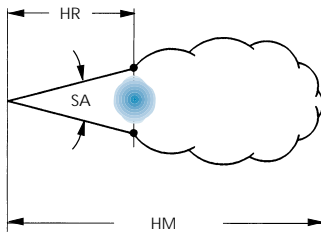


INTERNAL MIX SET-UPS — FULL CONE/FLAT JET GRAVITY FEED/SIPHON



These set-ups are designed for use with gravity-feed or siphon liquid delivery systems.

Details for full cone set-ups are given in the illustration at the right, and for flat-jet set-ups below. The maximum spray length is HM. The distance over which the spray remains well-defined is denoted by HR. Beyond this distance (HR), the spray becomes turbulent. For flat-jet set-ups, HR is 15 inches. The spray width is designated by SA for full-cone and by C for flat spray set-ups.

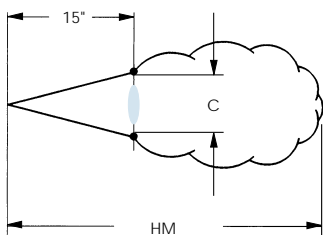


The entries on the right-hand part of the tables below show how HM, HR, and SA (or C) vary with air pressure (PA) for each set-up.

Materials: Nickel-plated brass (T8) 303 stainless steel (B1)
316 stainless steel (B3) PVC (D1)

FULL-CONE SET-UPS

	AIR PRESSURE (psi)	AIR CAPACITY (scfm)					SIPHON HEIGHT (inches)					PA	SA	HR	HM
		LIQUID CAPACITY (gph)					4"	8"	12"	24"	36"				
		18"	12"	6"	GRAVITY HEAD (inches)	LIQUID CAPACITY (gph)									
SUC 1120	10	0.4	0.4	0.4	0.3	0.2	0.2	0.2	-	-	10	18°	11"	6'	
	20	0.6	0.5	0.4	0.4	0.4	0.3	0.3	0.1	-	20	18°	11"	6 1/2'	
	40	1.0	0.6	0.5	0.5	0.4	0.4	0.4	0.3	0.2	40	18°	12"	7 1/2'	
	60	1.3	0.6	0.6	0.5	0.4	0.4	0.4	0.3	0.3	60	18°	14"	8 1/2'	
SUC 1190	10	0.5	0.6	0.6	0.5	0.4	0.3	0.2	-	-	10	18°	12"	7'	
	20	0.7	0.7	0.7	0.6	0.6	0.5	0.4	0.2	0.7	20	18°	13"	7 1/2'	
	40	1.1	0.9	0.8	0.8	0.7	0.7	0.6	0.4	0.3	40	18°	15"	8 1/2'	
	60	1.5	1.0	0.9	0.9	0.8	0.8	0.4	0.6	0.4	60	19°	17"	10'	
SUC 1200	10	0.8	0.7	0.6	0.5	0.4	0.4	0.3	-	-	10	18°	12"	8'	
	20	1.2	0.8	0.7	0.7	0.6	0.5	0.5	0.2	-	20	18°	13"	9'	
	40	1.9	0.9	0.9	0.8	0.8	0.7	0.7	0.5	0.3	40	19°	15"	11'	
	60	2.7	1.0	1.0	1.0	0.9	0.9	0.8	0.7	0.6	60	20°	17"	13'	
SUC 1290	10	0.7	1.2	1.1	0.9	0.6	0.5	0.4	-	-	10	21°	15"	10'	
	20	1.0	1.4	1.3	1.1	0.9	0.8	0.7	0.5	-	20	21°	16"	11'	
	40	1.7	1.6	1.5	1.3	1.2	1.0	0.9	0.6	0.3	40	21°	18"	13'	
	60	2.4	1.5	1.4	1.3	1.1	1.0	0.9	0.8	0.5	60	22°	20"	15'	
SUC 2105	20	1.9	5.8	5.2	4.2	3.1	2.7	1.9	0.6	-	20	17°	18"	12'	
	40	3.0	6.5	6.0	5.1	4.3	3.7	3.0	1.6	0.7	40	18°	20"	14'	
	60	4.1	6.8	6.4	5.6	4.9	4.2	3.5	2.2	1.3	60	18°	21"	16'	
	80	5.2	6.8	6.4	5.8	5.2	4.5	3.9	2.6	1.6	80	19°	23"	18'	
SUC 2180	20	5.3	-	-	-	7.3	6.1	4.7	-	-	20	20°	20"	22'	
	40	6.5	-	-	-	7.9	6.9	5.4	-	-	40	20°	21"	23'	
	60	8.8	-	11.4	10.7	8.3	7.5	6.3	3.3	-	60	21°	23"	25'	
	80	11.1	11.5	11.1	10.4	8.3	7.6	6.4	4.5	2.3	80	22°	25"	27'	



FLAT-JET SET-UPS

	AIR PRESSURE (psi)	AIR CAPACITY (scfm)					SIPHON HEIGHT (inches)					PA	C	HM
		LIQUID CAPACITY (gph)					4"	8"	12"	24"	36"			
		18"	12"	6"	GRAVITY HEAD (inches)	LIQUID CAPACITY (gph)								
SUQ 0860	10	1.0	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.1	10	10 1/2"	7'	
	20	1.4	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	20	11 1/2"	7'	
	30	1.8	0.2	0.2	0.2	0.1	0.1	-	-	-	30	12"	6'	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUQ 1280	20	1.9	1.0	1.0	0.9	0.8	0.7	0.7	0.6	0.6	20	12 1/2"	9'	
	30	2.4	0.9	0.9	0.8	0.8	0.7	0.7	0.6	0.6	30	13 1/2"	9'	
	40	3.0	0.8	0.7	0.7	0.7	0.6	0.6	0.5	0.5	40	14 1/2"	10'	
	60	4.1	0.5	0.4	0.4	0.3	0.3	0.3	-	-	60	15 1/2"	9'	
SUQ 1370	20	2.3	1.4	1.3	1.2	1.0	1.0	0.9	0.8	0.6	20	9"	11'	
	30	2.9	1.3	1.2	1.2	0.9	0.9	0.8	0.7	0.6	30	10"	11'	
	40	3.5	1.0	0.9	0.9	0.7	0.6	0.5	0.5	-	40	10 1/2"	10'	
	50	4.1	0.6	0.5	0.5	-	-	-	-	-	-	-	-	
SUQ 1540	20	2.1	2.0	1.9	1.7	1.5	1.4	1.3	1.2	0.9	20	8 1/2"	11'	
	30	2.7	2.0	1.9	1.8	1.6	1.5	1.5	1.3	1.1	30	9"	11'	
	40	3.3	1.8	1.7	1.6	1.4	1.3	1.2	1.0	-	40	10 1/2"	11'	
	50	3.9	1.1	1.0	0.9	0.7	-	-	-	-	-	-	-	



AIR-ATOMIZING NOZZLES