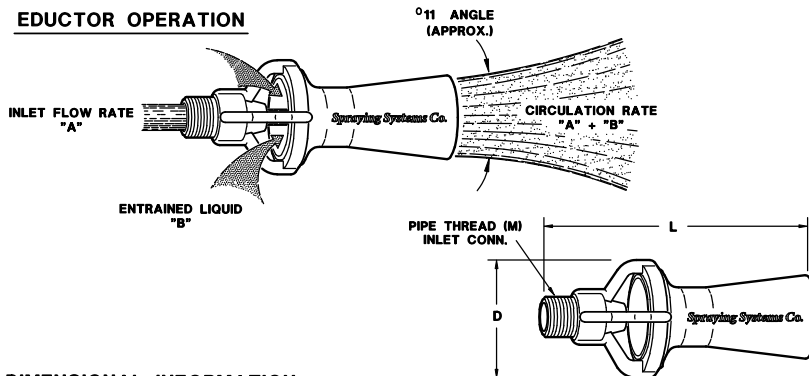


FEATURES:

- PROVIDES CIRCULATION AND AGITATION IN LIQUID RINSING AND COATING TANKS.
- ALLOWS SMALLER PUMPS TO CIRCULATE LARGE VOLUMES OF LIQUID.
- LARGE FLOW OPENINGS MINIMIZE PLUGGING AND CLOGGING.
- MANUFACTURED OF KYNAR® GLASS FILLED POLY-PROPYLENE OR INVESTMENT CAST, TYPE 316 STAINLESS STEEL FOR EXCELLENT CORROSION, CHEMICAL RESISTANCE AND DURABILITY.
- AVAILABLE IN 1/4", 3/8", 3/4" OR 1 1/2" (M) INLET CONNECTIONS.

EDUCTOR OPERATION



DIMENSIONAL INFORMATION

MODEL No.	PIPE THREAD INLET CONN. NPT(M) or BSPT(M)	MATERIALS			ORIFICE DIA.	L	D
		KYNAR	POLYPRO.	TYPE 316 STAIN. STL.			
46550-1/4--	1/4" (M)	•	•		3/16" (5 mm)	3" (76 mm)	1 1/4" (32 mm)
46550-3/8--	3/8" (M)		•	•	5/16" (8 mm)	4 1/16" (103 mm)	2 1/16" (52 mm)
46550-3/4--	3/4" (M)		•	•	3/8" (10 mm)	6 3/8" (162 mm)	3" (76 mm)
46550-1 1/2--	1 1/2" (M)		•	•	9/16" (14 mm)	10" (254 mm)	4 1/2" (114 mm)

PERFORMANCE DATA

APPROX. FLOW RATE PERFORMANCE	MODEL No.	INLET LIQUID PRESSURE								
		10 PSI	15 PSI	20 PSI	25 PSI	30 PSI	35 PSI	40 PSI	50 PSI	70 PSI
INLET FLOW RATE "A" (GPM)	46550-1/4--	3.5	4.3	5.0	5.5	6.1	6.6	7.0	7.8	--
	46550-3/8--	9	11	12.5	14	16	17	18	20	24
	46550-3/4--	13.5	17	19	21	23	25	27	30	36
	46550-1 1/2--	33	40	47	53	58	63	66	75	89
ENTRAINED LIQUID "B" (GPM)	46550-1/4--	12.7	15.1	17.8	19.6	22	24	26	29	--
	46550-3/8--	36	44	50	56	64	68	72	80	96
	46550-3/4--	54	68	76	84	92	100	108	120	141
	46550-1 1/2--	132	160	188	212	232	252	264	300	356
CIRCULATION RATE "A" + "B" (GPM)	46550-1/4--	16.2	19.4	22.8	25.1	28.1	30.6	33	36.8	--
	46550-3/8--	45	55	62.5	70	80	85	90	100	120
	46550-3/4--	67.5	85	95	105	115	125	135	150	177
	46550-1 1/2--	165	200	235	265	290	315	330	375	445

PERFORMANCE DATA - METRIC

APPROX. FLOW RATE PERFORMANCE	MODEL No.	INLET LIQUID PRESSURE								
		0.5 bar	1 bar	1.5 bar	2 bar	2.5 bar	3 bar	3.5 bar	4 bar	5 bar
INLET FLOW RATE "A" (l/min)	46550-1/4--	11.3	16.0	19.5	23	25	28	30	32	--
	46550-3/8--	29	42	51	59	65	70	77	82	91
	46550-3/4--	43	64	74	85	97	106	116	124	136
	46550-1 1/2--	106	151	184	215	243	259	288	308	337
ENTRAINED LIQUID "B" (l/min)	46550-1/4--	42	59	72	84	93	102	110	118	--
	46550-3/8--	116	168	204	236	260	280	308	328	363
	46550-3/4--	172	256	298	340	388	424	464	496	534
	46550-1 1/2--	424	604	736	860	972	1036	1152	1232	1348
CIRCULATION RATE "A" + "B" (l/min)	46550-1/4--	53.3	75	91.5	107	118	130	140	150	--
	46550-3/8--	145	210	255	295	325	350	385	410	454
	46550-3/4--	215	320	370	425	485	530	580	620	670
	46550-1 1/2--	530	755	920	1075	1215	1305	1440	1540	1685

HOW TO ORDER: SPECIFY EDUCTOR NO., CONNECTION AND MATERIAL REQUIRED.
 EXAMPLE: 46550-3/8-PP
 B46550-3/8-PP (FOR BSPT CONNECTION)

DESCRIPTION

NO. 46550
TANK MIXING EDUCTORS



Spraying Systems Co.

Spray Nozzles and Accessories

North Avenue at Schmale Rd. • P.O. Box 7900
Wheaton, IL 60189-7900

Ref: 12/31/08

Revision No.

Data Sheet No.

46550