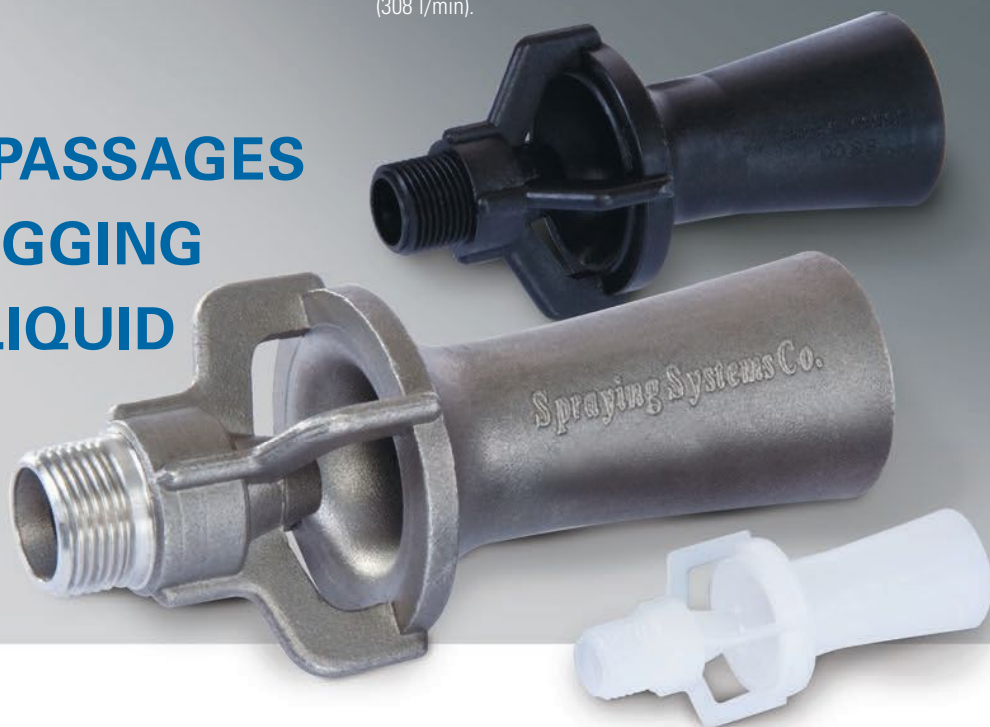


Model 46550 eductors are available in a wide range of sizes and materials with inlet flow rates up to 75 gpm (308 l/min).

LARGE FLOW PASSAGES MINIMIZE CLOGGING & MAXIMIZE LIQUID CIRCULATION



FEATURES AND BENEFITS

- Entraines four times more solution than pumped solution
- Large flow opening allows particulates to pass through with minimal clogging
- Flow chamber design eliminates internal material build-up
- Compact design minimizes interference with plating racks and other in-tank equipment
- Wide range of material options
- In-tank mounting design eliminates the need for above tank mounting devices
- Mounting accessories simplify installation and allow easy, precise adjustment of eductor flow (See page 12 for mounting accessories ordering information)
- Ideal for use in anodizing, cleaning, electroplating, mixing, paint booth, phosphating, plating, rinsing and stripping applications

SPECIFICATIONS:

Materials: Kynar[®], polypropylene^{**}, cast 316 stainless steel

Inlet Conn. (in.): 1/4, 3/8, 3/4 and 1-1/2 NPT or BSPT (M)

Effective Flow Field: 3' to 46' (.91 to 14 m)

Dimensions: 3" to 10" length (76 to 254 mm);
1-1/4" to 4-1/2" (32 to 114 mm) outside diameter

*Maximum operating temperature with water is 220°F (104°C) at 50 psi (3.5 bar).

**Maximum operating temperature with water is 200°F (93°C) at 50 psi (3.5 bar).

PERFORMANCE DATA: 46550 EDUCTORS

Inlet Conn. (in.)	Flow Rate gpm (lpm)	Flow Rate Capacity gpm (lpm)					
		15 psi (1 bar)	20 psi (1.5 bar)	30 psi (2.0 bar)	35 psi (2.5 bar)	40 psi (3 bar)	50 psi (3.5 bar)
1/4	Inlet Flow Rate	4.3 (16.0)	5.0 (19.5)	6.1 (23)	6.6 (25)	7.0 (28)	7.8 (30)
	Circulation Rate	19.4 (75)	22.8 (91.5)	28.1 (107)	30.6 (118)	33 (130)	36.8 (140)
	Effective Flow Field* ft. (m)	5.0 (1.5)	7.0 (2.1)	10.0 (3.0)	12.0 (3.7)	14.0 (4.3)	17.0 (5.2)
3/8	Inlet Flow Rate	11.0 (42)	12.5 (51)	16.0 (59)	17.0 (65)	18.0 (70)	20 (77)
	Circulation Rate	55 (210)	62.5 (255)	80 (295)	85 (325)	90 (350)	100 (385)
	Effective Flow Field* ft. (m)	6.0 (1.8)	8.0 (2.4)	12.0 (3.7)	14.0 (4.3)	16.0 (4.9)	22 (6.7)
3/4	Inlet Flow Rate	17.0 (64)	19.0 (74)	23 (85)	25 (97)	27 (106)	30 (116)
	Circulation Rate	85 (320)	95 (370)	115 (425)	125 (485)	135 (530)	150 (580)
	Effective Flow Field* ft. (m)	8.0 (2.4)	11.0 (3.4)	17.0 (5.2)	20 (6.1)	24 (7.3)	33 (10.1)
1-1/2	Inlet Flow Rate	40 (151)	47 (184)	58 (215)	63 (243)	66 (259)	75 (288)
	Circulation Rate	200 (755)	235 (920)	290 (1075)	315 (1215)	330 (1295)	375 (1440)
	Effective Flow Field* ft. (m)	12.0 (3.7)	16.0 (4.9)	24 (7.3)	29 (8.6)	34 (10.4)	46 (14.0)

*Effective Flow Field is defined as 1' (30 cm) of flow/second.

DIMENSIONS AND WEIGHTS

Inlet Conn. (in.)	Orifice Dia. in. (mm)	L in. (mm)	Dia. in. (mm)	Weight oz. (kg)		
				KY	PP	316SS
1/4	3/16 (5)	3 (76)	1-1/4 (32)	.51 (.01)	.51 (.01)	—
3/8	5/16 (8)	4-1/16 (103)	1-11/16 (52)	—	1 (.03)	9.9 (.28)
3/4	3/8 (10)	6-3/8 (162)	3 (76)	—	2.8 (.08)	24.5 (.69)
1-1/2	9/16 (14)	10 (254)	4-1/2 (114)	—	10.2 (.29)	73.5 (2.1)

Materials codes: Kynar = KY; polypropylene = PP; stainless steel = 316SS

ORDERING INFORMATION

MODEL 46550 TANK MIXING EDUCTORS

Model No.	—	Inlet Conn.	—	Material Code
46550	—	3/8	—	PP

BSPT connections require the addition of a "B". Example B46550 – 3/8 – PP.