

Nozzle Flow Chart (Theoretical) for NLB 0° Carbide Orifice Nozzles — GPM (LPM)

BM19048-XXX

Nozzle No.	Pressure PSI (BAR)			
	5,000 (345)	10,000 (700)	15,000 (1,035)	20,000 (1,400)
0.25	0.2 (0.76)	0.3 (1.14)	0.3 (1.14)	0.4 (1.51)
0.30	0.3 (1.14)	0.4 (1.51)	0.5 (1.89)	0.6 (2.27)
0.35	0.4 (1.51)	0.5 (1.89)	0.7 (2.65)	0.8 (3.03)
0.40	0.5 (1.89)	0.7 (2.65)	0.9 (3.41)	1.0 (3.79)
0.50	0.8 (3.03)	1.1 (4.16)	1.4 (5.30)	1.6 (6.06)
0.60	1.1 (4.16)	1.6 (6.06)	2.0 (7.57)	2.3 (8.71)
0.70	1.5 (5.68)	2.2 (8.33)	2.7 (10.22)	3.1 (11.73)
0.80	2.0 (7.57)	2.8 (10.60)	3.5 (13.25)	4.0 (15.14)
0.90	2.5 (9.46)	3.6 (13.63)	4.4 (16.65)	5.1 (19.30)
1.00	3.1 (11.73)	4.4 (16.65)	5.4 (20.44)	6.3 (23.85)
1.10	3.8 (14.38)	5.4 (20.44)	6.6 (24.98)	7.6 (28.77)
1.20	4.5 (17.03)	6.4 (24.22)	7.8 (29.52)	9.0 (34.07)
1.30	5.3 (20.06)	7.5 (28.39)	9.2 (34.82)	10.6 (40.12)
1.40	6.2 (23.47)	8.7 (32.93)	10.7 (40.50)	12.3 (46.56)
1.50	7.1 (26.87)	10.0 (37.85)	12.2 (46.18)	14.1 (53.37)
1.60	8.0 (30.28)	11.4 (43.15)	13.9 (52.61)	16.1 (60.94)
1.70	9.1 (34.44)	12.8 (48.45)	15.7 (59.42)	18.1 (68.51)
1.80	10.2 (38.61)	14.4 (54.50)	17.6 (66.62)	20.3 (76.84)
1.90	11.3 (42.77)	16.0 (60.56)	19.6 (74.19)	22.7 (85.92)
2.00	12.6 (47.69)	17.8 (67.37)	21.8 (82.51)	25.1 (95.00)
2.10	13.8 (52.23)	19.6 (74.19)	24.0 (90.84)	27.7 (104.84)
2.20	15.2 (57.53)	21.5 (81.38)	26.3 (99.55)	30.4 (115.06)
2.30	16.6 (62.83)	23.5 (88.95)	28.8 (109.01)	33.2 (125.66)
2.40	18.1 (68.51)	25.6 (96.90)	31.3 (118.47)	36.2 (137.02)
2.50	19.6 (74.19)	27.8 (105.22)	34.0 (128.69)	39.2 (148.37)
2.60	21.2 (80.24)	30.0 (113.55)	36.8 (139.29)	42.5 (160.86)
2.70	22.9 (86.68)	32.4 (122.63)	39.6 (149.89)	45.8 (173.35)
2.80	24.6 (93.11)	34.8 (131.72)	42.6 (161.24)	49.2 (186.22)
2.90	26.4 (99.92)	37.3 (141.18)	45.7 (172.97)	52.8 (199.85)
3.00	28.3 (107.12)	40.0 (151.40)	48.9 (185.09)	56.5 (213.85)
3.10	30.2 (114.31)	42.7 (161.62)	52.3 (197.96)	60.3 (228.24)
3.20	32.2 (121.88)	45.5 (172.22)	55.7 (210.82)	64.3 (243.38)
3.30	34.2 (129.45)	48.4 (183.19)	59.2 (224.07)	68.4 (258.89)
3.40	36.3 (137.40)	51.3 (194.17)	62.9 (238.08)	72.6 (274.79)
3.50	38.5 (145.72)	54.4 (205.90)	66.6 (252.08)	76.9 (291.07)
3.60	40.7 (154.05)	57.5 (217.64)	70.5 (266.84)	81.4 (308.01)
3.70	43.0 (162.76)	60.8 (230.13)	74.5 (281.98)	86.0 (325.51)
3.80	45.3 (171.46)	64.1 (242.62)	78.5 (297.12)	90.7 (343.30)
3.90	47.8 (180.92)	67.5 (255.49)	82.7 (313.02)	95.5 (361.47)
4.00	50.2 (190.01)	71.0 (268.74)	87.0 (329.30)	100.5 (380.39)
4.20	55.44 (209.88)	78.41 (296.81)	96.03 (363.52)	110.89 (419.76)
4.30	58.12 (219.99)	82.19 (311.11)	100.66 (381.04)	116.23 (439.98)
4.50	63.65 (240.93)	90.01 (340.73)	110.24 (417.30)	127.29 (481.86)
4.70	69.43 (262.82)	98.19 (371.69)	120.26 (455.22)	138.86 (525.65)
5.00	78.58 (297.45)	111.12 (420.65)	136.10 (515.19)	157.15 (594.89)