

46500A PROMAX CLIP-EYELET NOZZLE ASSEMBLY

- Snap-on pipe connection with ProMax QuickJet ball body and spray tips
- Swivel body with 56° adjustability for quick and accurate adjustment of spray direction without disturbing pipe connection



Clip-Eyelet assemblies with ProMax QuickJet ball bodies and spray tips

- Single- and double-clamp versions
- Use with 1", 1-1/4", 1-1/2" or 2" pipe
- Inlet sizes for 9/16" (14.5 mm) or 21/32" (17 mm) dia. drill holes; retrofit seals are available for 27/32" (21 mm) dia. drill holes
- PTFE-coated Viton® tip seal provides positive seal between ball and tip; seal remains attached to tip to prevent loss
- Chemical-resistant ProMax material withstands caking, clogging and build-up
- Optional threaded ball for use with conventional nozzles
- Ideal for spraying phosphates, acids, solvents and other caustics

See pages 7 to 10 for performance data.

SPECIFICATIONS

Body Assemblies	Double-Clamp Body	Single-Clamp Body	Threaded Ball for Standard Nozzles	Cap Seal	Tip Seal	Retrofit Seal	Blank Tip
To fit 9/16" (14.5 mm) or 21/32" (17 mm) dia. drilled inlet openings	For pressures to 150 psi (10.3 bar)	For pressures to 60 psi (4 bar)	For nozzles with 1/4" male connection CP20582-1/4-PPB (NPT) CPB20582-1/4-PPB (BSPT)	CP7717-2/ 121-EPR	Provides additional seal between tip and body CP7717-2/ 17-VI, Viton	For headers with 27/32" (21 mm) dia. holes CP20580-BU SEAL, BUNA-N CP20580-VI SEAL, Viton	QPA PLUG
			For nozzles with 3/8" male connection CP20582-3/8-PPB (NPT) CPB20582-3/8-PPB (BSPT)	CP7717-2/ 121-VI, Viton			

DIMENSIONS & WEIGHTS

46500A 	ProMax Clip-Eyelet Assembly No.	Color-Coded Body	Color-Coded Cap	To Clamp On	Dimensions			Net Weight
					A	B	C	
	46500A__-1-PP	Medium Gray	Light Gray	1" pipe	1-3/4" (44 mm)	3-1/2" (89 mm)	1-7/8" (48 mm)	2.7 oz. (.08 kg)
	46500A__-1-1/4-PP	Medium Gray	Light Gray	1-1/4" pipe	1-7/8" (48 mm)	3-11/16" (94 mm)	1-7/8" (48 mm)	2.7 oz. (.08 kg)
	46500A__-1-1/2-PPB	Black	Light Gray	1-1/2" pipe	2" (51 mm)	3-13/16" (97 mm)	1-7/8" (48 mm)	3.2 oz. (.09 kg)
	46500A__-2-PPB	Black	Light Gray	2" pipe	2-3/8" (60 mm)	4-1/16" (103 mm)	1-15/16" (49 mm)	3.2 oz. (.09 kg)

Based on largest/heaviest version of each type.

ORDERING INFORMATION

PROMAX QUICKJET CLIP-EYELET NOZZLE ASSEMBLY AND SPRAY TIP

ASSEMBLY					SPRAY TIP		
Nozzle Type	Clamp Design*	Inlet Dia.**	Pipe Size	Material Code	Tip Type	Spray Angle	Capacity Size
Example					Example		
46500A	D	L	1	PP	QPTA	40	

*Clamp Design — (no designation) indicates Single Clamp; D indicates Double Clamp **Inlet Dia.— (no designation) indicates 9/16" (14.5 mm) dia.; L indicates 21/32" (17 mm) dia.



PROMAX QUICK VEEJET SPRAY TIPS STANDARD ANGLE FLAT SPRAY



Capacities at 40 psi (3 bar). Use with ProMax ball.

PERFORMANCE DATA: STANDARD ANGLE

Spray Angle at 40 psi (3 bar)							Capacity Size	Spray Tip Color	Capacity – gallons per minute (liters per minute)									
25°	40°	50°	65°	80°	95°	110°			5 psi (0.3 bar)	10 psi (1 bar)	20 psi (2 bar)	30 psi (3 bar)	40 psi (4 bar)	60 psi (5 bar)	80 psi (6 bar)	100 psi (7 bar)	125 psi (8 bar)	150 psi (10 bar)
•*	•	•	•	•	•	•	02	Gray	.07 (.25)	.10 (.46)	.14 (.64)	.17 (.79)	.20 (.91)	.25 (1.0)	.28 (1.1)	.32 (1.2)	.35 (1.3)	.39 (1.4)
•*	•	•	•	•	•	•	03	Black	.11 (.37)	.15 (.68)	.21 (.97)	.26 (1.2)	.30 (1.4)	.37 (1.5)	.42 (1.7)	.47 (1.8)	.53 (1.9)	.58 (2.2)
•*	•	•	•	•	•	•	04	Orange	.14 (.50)	.20 (.91)	.28 (1.3)	.35 (1.6)	.40 (1.8)	.49 (2.0)	.57 (2.2)	.63 (2.4)	.71 (2.6)	.77 (2.9)
•	•	•	•	•	•	•	05	Green	.18 (.62)	.25 (1.1)	.35 (1.6)	.43 (2.0)	.50 (2.3)	.61 (2.5)	.71 (2.8)	.79 (3.0)	.88 (3.2)	.97 (3.6)
•	•	•	•	•	•	•	06	Yellow	.21 (.75)	.30 (1.4)	.42 (1.9)	.52 (2.4)	.60 (2.7)	.73 (3.1)	.85 (3.3)	.95 (3.6)	1.1 (3.9)	1.2 (4.3)
•	•	•	•	•	•	•	08	Blue	.28 (1.0)	.40 (1.8)	.56 (2.6)	.69 (3.2)	.80 (3.6)	.98 (4.1)	1.1 (4.5)	1.3 (4.8)	1.4 (5.2)	1.5 (5.8)
•	•	•	•	•	•		10	White	–	.50 (2.3)	.71 (3.2)	.86 (3.9)	1.0 (4.6)	1.2 (5.1)	1.4 (5.6)	1.6 (6.0)	1.8 (6.4)	1.9 (7.2)
•	•	•	•	•	•		15	Gray	–	.75 (3.4)	1.1 (4.8)	1.3 (5.9)	1.5 (6.8)	1.8 (7.6)	2.1 (7.6)	2.4 (9.0)	2.7 (9.7)	2.9 (10.8)
•	•	•	•	•	•		20	Black	–	1.0 (4.6)	1.4 (6.5)	1.7 (7.9)	2.0 (9.1)	2.5 (10.2)	2.8 (10.2)	3.2 (12.1)	3.5 (12.9)	3.9 (14.4)
•	•	•	•	•	•		30	Orange	1.1 (3.7)	1.5 (6.8)	2.1 (9.7)	2.6 (11.8)	3.0 (13.7)	3.7 (15.3)	4.2 (15.3)	4.7 (18.1)	5.3 (19.3)	5.8 (22)
•	•	•	•	•	•		40	Green	1.4 (5.0)	2.0 (9.1)	2.8 (12.9)	3.5 (15.8)	4.0 (18.2)	4.9 (20)	5.7 (20)	6.3 (24)	7.1 (26)	7.7 (29)
•	•	•	•	•	•		50	Yellow	1.8 (6.2)	2.5 (11.4)	3.5 (16.1)	4.3 (19.7)	5.0 (23)	6.1 (25)	7.1 (25)	7.9 (30)	8.8 (32)	9.7 (36)
•	•	•	•	•	•		60	Blue	2.1 (7.5)	3.0 (13.7)	4.2 (19.3)	5.2 (24)	6.0 (27)	7.3 (31)	8.5 (31)	9.5 (36)	10.6 (39)	11.6 (43)
•	•	•	•	•	•		70	Red	2.5 (8.7)	3.5 (16.0)	4.9 (23)	6.1 (28)	7.0 (32)	8.6 (36)	9.9 (36)	11.1 (42)	12.4 (45)	13.6 (50)

*Not recommended below 7 psi (0.5 bar).



PROMAX QUICK FULLJET SPRAY TIPS STANDARD ANGLE FULL CONE SPRAY



QPHA-1
.19 gpm (.74 l/min)



QPHA-1.5
.29 gpm (1.1 l/min)



QPHA-2
.38 gpm (1.5 l/min)



QPHA-3
.57 gpm (2.2 l/min)



QPHA-3.5
.67 gpm (2.6 l/min)



QPHA-5
.95 gpm (3.7 l/min)



QPHA-6.5
1.3 gpm (4.8 l/min)



QPHA-8
1.5 gpm (6.8 l/min)



QPHA-10
1.9 gpm (7.4 l/min)



QPHA-15
2.9 gpm (11.2 l/min)

Capacities at 40 psi (3 bar). Use with ProMax ball.

PERFORMANCE DATA: STANDARD ANGLE

Spray Tip Number	Spray Tip Color	Orifice Dia. Nom. in. (mm)	Max. Free Passage Dia.* in. (mm)	Capacity – gallons per minute (liters per minute)										Spray Angle		
				5 psi (0.3 bar)	10 psi (1 bar)	20 psi (2 bar)	30 psi (3 bar)	40 psi (4 bar)	60 psi (5 bar)	80 psi (6 bar)	100 psi (7 bar)	125 psi (8 bar)	150 psi (10 bar)	7 psi (0.5 bar)	20 psi (2 bar)	80 psi (6 bar)
QPHA-1	Brown	.035 (.89)	.025 (.64)	– (.26)	.10 (.45)	.14 (.62)	.17 (.74)	.19 (.85)	.23 (.94)	.26 (1.0)	.30 (1.1)	.34 (1.2)	.36 (1.3)	–	58°	53°
QPHA-1.5	White	.045 (1.1)	.025 (.64)	– (.38)	.15 (.67)	.21 (.93)	.25 (1.1)	.29 (1.3)	.35 (1.4)	.40 (1.5)	.44 (1.7)	.49 (1.8)	.53 (1.9)	52°	65°	59°
QPHA-2	Gray	.047 (1.2)	.040 (1.0)	.14 (.50)	.20 (.87)	.28 (1.2)	.34 (1.5)	.38 (1.7)	.46 (1.9)	.53 (2.0)	.59 (2.2)	.65 (2.4)	.70 (2.6)	43°	50°	46°
QPHA-3	Black	.061 (1.5)	.040 (1.0)	.22 (.79)	.30 (1.4)	.42 (1.9)	.50 (2.2)	.57 (2.5)	.69 (2.8)	.79 (3.1)	.88 (3.3)	1.0 (3.6)	1.1 (3.9)	52°	65°	59°
QPHA-3.5	Orange	.063 (1.6)	.050 (1.3)	.25 (.92)	.35 (1.6)	.48 (2.2)	.58 (2.6)	.67 (3.0)	.81 (3.3)	.92 (3.6)	1.0 (3.9)	1.2 (4.2)	1.3 (4.5)	43°	50°	46°
QPHA-5	Green	.077 (2.0)	.050 (1.3)	.36 (1.3)	.50 (2.2)	.69 (3.1)	.82 (3.7)	.95 (4.2)	1.2 (4.7)	1.3 (5.1)	1.5 (5.5)	1.7 (6.0)	1.8 (6.5)	52°	65°	59°
QPHA-6.5	Yellow	.089 (2.3)	.063 (1.6)	.47 (1.7)	.65 (2.9)	.89 (4.0)	1.1 (4.8)	1.3 (5.5)	1.5 (6.1)	1.7 (6.7)	1.9 (7.1)	2.1 (7.8)	2.3 (8.4)	45°	50°	46°
QPHA-8	Beige	.096 (2.4)	.063 (1.6)	.58 (2.0)	.80 (3.6)	1.1 (4.9)	1.3 (6.0)	1.5 (6.8)	1.8 (7.5)	2.1 (8.2)	2.3 (8.8)	2.6 (9.6)	2.9 (10.4)	54°	65°	61°
QPHA-10	Blue	.113 (2.9)	.063 (1.6)	.73 (2.6)	1.0 (4.5)	1.4 (6.2)	1.7 (7.4)	1.9 (8.5)	2.4 (9.4)	2.7 (10.2)	3.0 (11.0)	3.3 (12.0)	3.6 (13.0)	58°	67°	61°
QPHA-15	Red	.141 (3.6)	.063 (1.6)	1.1 (3.9)	1.5 (6.8)	2.1 (9.3)	2.5 (11.2)	2.9 (12.7)	3.5 (14.1)	4.0 (15.4)	4.4 (16.5)	4.9 (18.0)	5.3 (19.4)	80°	85°	80°

*Foreign matter with maximum dia. as listed can pass through nozzle without clogging.



PROMAX QUICK FULLJET SPRAY TIPS WIDE ANGLE FULL CONE SPRAY



QPHA-2.8W

.51 gpm (2.0 l/min)



QPHA-4.3W

.79 gpm (3.1 l/min)



QPHA-5.6W

1.0 gpm (4.0 l/min)



QPHA-8W

1.5 gpm (5.8 l/min)



QPHA-10W

1.8 gpm (7.2 l/min)



QPHA-12W

2.2 gpm (8.7 l/min)



QPHA-14W

2.6 gpm (10.1 l/min)

Capacities at 40 psi (3 bar). Use with ProMax ball.

PERFORMANCE DATA: WIDE ANGLE

Spray Tip Number	Spray Tip Color	Orifice Dia. Nom. in. (mm)	Max. Free Passage Dia.* in. (mm)	Capacity – gallons per minute (liters per minute)										Spray Angle		
				5 psi (0.3 bar)	10 psi (1 bar)	20 psi (2 bar)	30 psi (3 bar)	40 psi (4 bar)	60 psi (5 bar)	80 psi (6 bar)	100 psi (7 bar)	125 psi (8 bar)	150 psi (10 bar)	5 psi (0.3 bar)	10 psi (1 bar)	80 psi (6 bar)
QPHA-2.8W	White	.057 (1.4)	.040 (1.0)	–	.28 (1.2)	.38 (1.7)	.45 (2.0)	.51 (2.3)	.61 (2.5)	.70 (2.7)	.77 (2.9)	.84 (3.1)	.91 (3.4)	–	120°	102°
QPHA-4.3W	Black	.073 (1.9)	.040 (1.0)	–	.43 (1.9)	.58 (2.6)	.70 (3.1)	.79 (3.5)	.95 (3.9)	1.1 (4.2)	1.2 (4.5)	1.3 (4.8)	1.4 (5.3)	–	120°	102°
QPHA-5.6W	Orange	.086 (2.2)	.040 (1.0)	–	.56 (2.5)	.76 (3.4)	.91 (4.0)	1.0 (4.6)	1.2 (5.1)	1.4 (5.5)	1.5 (5.9)	1.7 (6.2)	1.8 (6.9)	–	120°	102°
QPHA-8W	Green	.098 (2.5)	.050 (1.3)	–	.80 (3.6)	1.1 (4.8)	1.3 (5.8)	1.5 (6.6)	1.8 (7.2)	2.0 (7.8)	2.2 (8.4)	2.5 (8.9)	2.7 (9.8)	–	120°	103°
QPHA-10W	Yellow	.109 (2.8)	.050 (1.3)	.74 (2.6)	1.0 (4.5)	1.4 (6.0)	1.6 (7.2)	1.8 (8.2)	2.2 (9.1)	2.5 (9.8)	2.7 (10.5)	3.0 (11.1)	3.3 (12.2)	112°	120°	103°
QPHA-12W	Blue	.129 (3.3)	.050 (1.3)	.89 (3.1)	1.2 (5.3)	1.6 (7.3)	1.9 (8.7)	2.2 (9.8)	2.6 (10.9)	3.0 (11.8)	3.3 (12.6)	3.6 (13.4)	3.9 (14.8)	114°	120°	103°
QPHA-14W	Red	.141 (3.6)	.063 (1.6)	1.0 (3.7)	1.4 (6.2)	1.9 (8.5)	2.3 (10.1)	2.6 (11.5)	3.1 (12.7)	3.5 (13.7)	3.9 (14.7)	4.3 (15.6)	4.6 (17.2)	114°	120°	103°

*Foreign matter with maximum dia. as listed can pass through nozzle without clogging.



**PROMAX® QUICK WHIRLJET®
STANDARD AND WIDE ANGLE HOLLOW CONE SPRAY**

**PROMAX QUICK WHIRLJET SPRAY TIPS
STANDARD ANGLE HOLLOW CONE SPRAY**



QPAA-__

**PROMAX QUICK WHIRLJET SPRAY TIPS
WIDE ANGLE HOLLOW CONE SPRAY**



QPAA-__W

Use with ProMax ball.

PERFORMANCE DATA: STANDARD ANGLE

Spray Tip Number	Inlet Dia. Nom. in. (mm)	Orifice Dia. Nom. in. (mm)	Capacity – gallons per minute (liters per minute)										Spray Angle		
			5 psi (0.3 bar)	10 psi (1 bar)	20 psi (2 bar)	30 psi (3 bar)	40 psi (4 bar)	60 psi (5 bar)	80 psi (6 bar)	100 psi (7 bar)	125 psi (8 bar)	150 psi (10 bar)	7 psi (0.5 bar)	20 psi (2 bar)	80 psi (6 bar)
QPAA-0.5	.031 (.79)	.047 (1.2)	– (.12)	.05 (.23)	.07 (.32)	.09 (.39)	.10 (.46)	.12 (.51)	.14 (.56)	.16 (.60)	.18 (.64)	.19 (.72)	–	58°	69°
QPAA-1	.063 (1.6)	.063 (1.6)	– (.25)	.10 (.46)	.14 (.64)	.17 (.79)	.20 (.91)	.24 (1.0)	.28 (1.1)	.31 (1.2)	.35 (1.3)	.39 (1.4)	–	64°	76°
QPAA-2	.078 (2.0)	.078 (2.0)	.14 (.50)	.20 (.91)	.28 (1.3)	.35 (1.6)	.40 (1.8)	.49 (2.0)	.57 (2.2)	.63 (2.4)	.71 (2.6)	.77 (2.9)	53°	70°	80°
QPAA-3	.094 (2.4)	.094 (2.4)	.21 (.74)	.30 (1.4)	.43 (1.9)	.52 (2.4)	.60 (2.7)	.73 (3.1)	.85 (3.3)	.95 (3.6)	1.1 (3.9)	1.2 (4.3)	55°	79°	80°
QPAA-5	.141 (3.6)	.109 (2.8)	.35 (1.2)	.50 (2.3)	.70 (3.2)	.86 (3.9)	1.0 (4.6)	1.2 (5.1)	1.4 (5.6)	1.6 (6.0)	1.8 (6.4)	1.9 (7.2)	70°	75°	79°
QPAA-8	.172 (4.4)	.141 (3.6)	.57 (2.0)	.80 (3.6)	1.1 (5.2)	1.4 (6.3)	1.6 (7.3)	2.0 (8.2)	2.3 (8.9)	2.5 (9.6)	2.8 (10.3)	3.1 (11.5)	65°	72°	74°
QPAA-10	.188 (4.8)	.172 (4.4)	.72 (2.4)	1.0 (4.6)	1.4 (6.4)	1.7 (7.9)	2.0 (9.1)	2.4 (10.2)	2.8 (11.2)	3.1 (12.1)	3.5 (12.9)	3.9 (14.4)	70°	76°	75°
QPAA-15	.199 (6.0)	.203 (5.2)	1.1 (3.8)	1.5 (6.8)	2.1 (9.7)	2.6 (11.8)	3.0 (13.7)	3.7 (15.3)	4.2 (16.7)	4.7 (18.1)	5.3 (19.3)	5.8 (22)	70°	72°	75°

PERFORMANCE DATA: WIDE ANGLE

Spray Tip Number	Inlet Dia. Nom. in. (mm)	Orifice Dia. Nom. in. (mm)	Capacity – gallons per minute (liters per minute)										Spray Angle		
			5 psi (0.3 bar)	10 psi (1 bar)	20 psi (2 bar)	30 psi (3 bar)	40 psi (4 bar)	60 psi (5 bar)	80 psi (6 bar)	100 psi (7 bar)	125 psi (8 bar)	150 psi (10 bar)	7 psi (0.5 bar)	20 psi (2 bar)	80 psi (6 bar)
QPAA-5W	.136 (3.5)	.129 (3.3)	.35 (1.2)	.50 (2.3)	.70 (3.2)	.86 (3.9)	1.0 (4.6)	1.2 (5.1)	1.4 (5.6)	1.6 (6.0)	1.8 (6.4)	1.9 (7.2)	125°	112°	98°
QPAA-8W	.177 (4.5)	.156 (4.0)	.57 (2.0)	.80 (3.6)	1.1 (5.2)	1.4 (6.3)	1.6 (7.3)	2.0 (8.2)	2.3 (8.9)	2.5 (9.6)	2.8 (10.3)	3.1 (11.5)	112°	100°	87°
QPAA-10W	.196 (5.0)	.177 (4.5)	.72 (2.4)	1.0 (4.6)	1.4 (6.4)	1.7 (7.9)	2.0 (9.1)	2.4 (10.2)	2.8 (11.2)	3.1 (12.1)	3.5 (12.9)	3.9 (14.4)	111°	97°	89°
QPAA-15W	.242 (6.1)	.213 (5.4)	1.1 (3.8)	1.5 (6.8)	2.1 (9.7)	2.6 (11.8)	3.0 (13.7)	3.7 (15.3)	4.2 (16.7)	4.7 (18.1)	5.3 (19.3)	5.8 (22)	110°	98°	90°

