

OVERVIEW: QUICK FULLJET AND PROMAX QUICK FULLJET












- Reduce maintenance time – bodies remain on pipe/header; quick quarter-turn removes/installs spray tips with automatic alignment
- Save on nozzle replacement costs – bodies can be reused, only spray tips are replaced
- Spray angles: Standard – 43° to 91°, Narrow – 15° or 30°, Wide – 102° to 120°
- Uniform spray distribution from .10 to 19.4 gpm (.38 to 72 lpm)
- Operating pressures up to 300 psi (20 bar)
- Choice of metal or ProMax materials. ProMax features:
 - ProMax material, a special grade of polypropylene, resists build-up and chemical attack; for use up to 150 psi (10 bar)
 - Internal O-ring provides a positive seal between the body and tip; seal remains attached to tip eliminating accidental loss
 - Optional external O-ring protects nozzle from contaminants
 - Tips are color-coded for easy flow rate identification



Quick FullJet and ProMax Quick FullJet Nozzles

The liquid enters the nozzle and proceeds through the vane. The vane causes the liquid to swirl. The design of the nozzle ensures the liquid continues to swirl as it enters the orifice. The liquid breaks up as it exits the nozzle orifice forming a well-defined cone pattern. The drops are uniform in size and distributed equally throughout the spray pattern.

QUICK FULLJET OPTIONS

<p>S W</p>  <p>QJLA Body 3/8" to 1/2" female conn.</p>	 <p>QJJA Body 1/8" to 1/2" male conn.</p>	 <p>QJJLA Body 3/8" to 1/2" male conn.</p>	
 <p>QGA Spray Tip + QJA Body 1/8" to 1/2" female conn. Removable cap and vane</p>	<p>S W</p>  <p>QLGA Spray Tip Removable cap and vane/ Large conn. Use with QJLA and QJJLA bodies</p>	<p>S W</p>  <p>QHA Spray Tip Non-removable vane Use with QJA and QJJA bodies</p>	<p>S W</p>  <p>QLHA Spray Tip Non-removable vane/ Large conn. Use with QJLA and QJJLA bodies</p>
<p>N</p>  <p>QGA-15 Spray Tip Removable cap and vane Use with QJA and QJJA bodies</p>	<p>N</p>  <p>QLGA-15 Spray Tip Removable cap and vane/ Large conn. Use with QJLA and QJJLA bodies</p>	<p>N</p>  <p>QGA-30 Spray Tip Removable cap and vane Use with QJA and QJJA bodies</p>	<p>N</p>  <p>QLGA-30 Spray Tip Removable cap and vane/ Large conn. Use with QJLA and QJJLA bodies</p>

PROMAX QUICK FULLJET OPTIONS



QPHA Spray Tip + QPPA Body
1/8" to 1/2" male conn.
Optional external O-ring

S
W

QPHA Spray Tip – Brown
QPHA-1 .1 gpm (.38 lpm)
Use with QPPA body

S
W

QPHA Spray Tip – White
QPHA-1.5 .15 gpm (.57 lpm)
QPHA-2.8W .28 gpm (1.1 lpm)
Use with QPPA body

S

QPHA Spray Tip – Gray
QPHA-2 .2 gpm (.76 lpm)
Use with QPPA body

S
W

QPHA Spray Tip – Black
QPHA-3 .3 gpm (1.1 lpm)
QPHA-4.3W .43 gpm (1.6 lpm)
Use with QPPA body

S
W

QPHA Spray Tip – Orange
QPHA-3.5 .35 gpm (1.3 lpm)
QPHA-5.6W .56 gpm (2.1 lpm)
Use with QPPA body

S
W

QPHA Spray Tip – Green
QPHA-5 .5 gpm (1.9 lpm)
QPHA-8W .8 gpm (3.1 lpm)
Use with QPPA body

S
W

QPHA Spray Tip – Yellow
QPHA-6.5 .65 gpm (2.5 lpm)
QPHA-10W 1.0 gpm (3.8 lpm)
Use with QPPA body

S

QPHA Spray Tip – Beige
QPHA-8 .8 gpm (3.1 lpm)
Use with QPPA body

S
W

QPHA Spray Tip – Blue
QPHA-10 1.0 gpm (3.8 lpm)
QPHA-12W 1.2 gpm (4.6 lpm)
Use with QPPA body

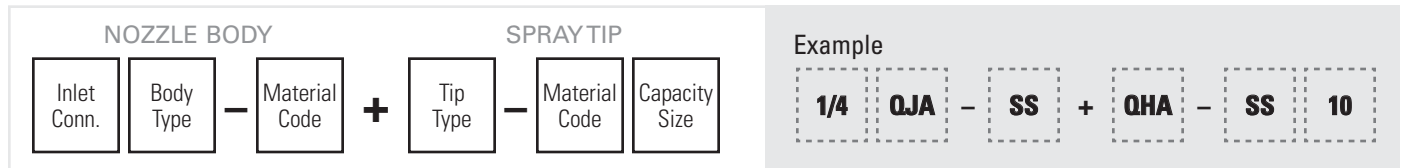
S
W

QPHA Spray Tip – Red
QPHA-15 1.5 gpm (5.7 lpm)
QPHA-14W 1.4 gpm (5.3 lpm)
Use with QPPA body

Capacities at 10 psi (0.7 bar).

ORDERING INFORMATION

METAL QUICK FULLJET



BSPT connections require the addition of a "B" prior to the inlet connection.

PROMAX QUICK FULLJET



Optional external O-ring for ProMax Quick FullJet nozzle: CP7717-2/17-VI

BSPT connections require the addition of a "B" prior to the inlet connection.

RELATIVE DROP SIZE IN MICRONS



Drop size will vary based on flow rate and pressure.

S PERFORMANCE DATA:
STANDARD ANGLE SPRAY

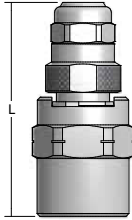
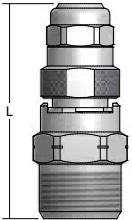
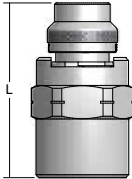
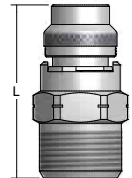
Inlet Conn. (in.)	Quick FullJet Tip Type					Capacity Size	Orifice Dia. Nom. (in.)	Max. Free Passage Dia. (in.)	Flow Rate Capacity (gallons per minute)								Spray Angle (°)		
	QGA	QLGA	QHA	QLHA	QPHA				7 psi	10 psi	20 psi	40 psi	70 psi	80 psi	100 psi	150 psi	7 psi	20 psi	80 psi
1/8, 1/4, 3/8, 1/2	●				●	1	.031	.025	–	.10	.14	.19	.24	.26	.29	.35	–	58	53
	●				●	1.5	.047	.025	.13	.15	.21	.28	.37	.39	.43	.52	52	65	59
	●				●	2	.047	.040	.17	.20	.28	.38	.49	.52	.58	.70	43	50	46
	●				●	2.5	.053	.040	.21	.25	.34	.47	.61	.65	.72	.87	43	50	46
	●				●	3	.063	.040	.25	.30	.41	.57	.73	.78	.87	1.0	52	65	59
	●		●		●	3.5	.063	.050	.30	.35	.48	.66	.86	.91	1.0	1.2	43	50	46
	●				●	4	.067	.050	.34	.40	.55	.76	.98	1.0	1.2	1.4	48	55	50
	●				●	5	.078	.050	.42	.50	.69	.95	1.2	1.3	1.4	1.7	52	65	59
1/4, 3/8, 1/2	●		●		●	6.5	.094	.063	.55	.65	.89	1.2	1.6	1.7	1.9	2.3	45	50	46
					●	8	.096	.063	.68	.80	1.1	1.5	2.0	2.1	2.3	2.8	54	65	61
	●		●		●	10	.109	.063	.85	1.0	1.4	1.9	2.4	2.6	2.9	3.5	58	67	61
					●	15	.141	.063	1.3	1.5	2.1	2.8	3.7	3.9	4.3	5.2	80	85	80
3/8, 1/2	●					9.5	.109	.094	.81	.95	1.3	1.8	2.3	2.5	2.7	3.3	45	50	46
	●			●		15	.141	.094	1.3	1.5	2.1	2.8	3.7	3.9	4.3	5.2	64	67	61
	●					20	.156	.109	1.7	2.0	2.8	3.8	4.9	5.2	5.8	7.0	76	80	73
	●			●		22	.188	.109	1.9	2.2	3.0	4.2	5.4	5.7	6.3	7.6	87	90	82
1/2		●				16	.141	.125	1.4	1.6	2.2	3.0	3.9	4.2	4.6	5.6	48	50	46
		●				20	.161	.125	1.7	2.0	2.8	3.8	4.9	5.2	5.8	7.0	62	65	59
		●		●		25	.188	.125	2.1	2.5	3.4	4.7	6.1	6.5	7.2	8.7	64	67	61
		●				30	.189	.141	2.5	3.0	4.1	5.7	7.3	7.8	8.7	10.4	69	72	66
		●				32	.203	.141	2.7	3.2	4.4	6.1	7.8	8.3	9.2	11.1	72	75	68
		●				40	.250	.141	3.4	4.0	5.5	7.6	9.8	10.4	11.5	13.9	88	91	83
		●				50	.266	.156	4.2	5.0	6.9	9.5	12.2	13.0	14.4	17.4	91	94	86

Maximum Free Passage Diameter is the maximum diameter as listed of foreign matter that can pass through the nozzle without clogging.

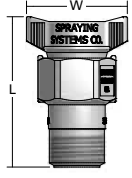
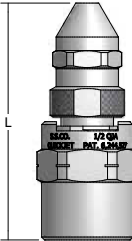
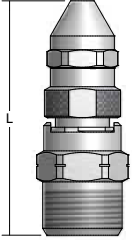
Highlighted column shows the rated pressure.



DIMENSIONS AND WEIGHTS

Nozzle	Nozzle Type	Inlet Conn. (in.)	L (in.)	Hex. (in.)	W (Width) (in.)	Net Weight (oz.)
	QJA (F) + QGA	1/8, 1/4, 3/8, 1/2	2.352	1	–	4.2
	QJA (F) + QGA-W	1/8, 1/4, 3/8, 1/2	2.662	1	–	4.3
	QJLA (F) + QLGA	3/8, 1/2	3.078	1-1/8	–	8.7
	QJLA (F) + QLGA-W	3/8, 1/2	3.265	1-1/8	–	9.3
	QJJA (M) + QGA	1/8, 1/4, 3/8, 1/2	2.250	7/8	–	3.8
	QJJA (M) + QGA-W	1/8, 1/4, 3/8, 1/2	2.565	7/8	–	4.2
	QJJLA (M) + QLGA	3/8, 1/2	3.115	1-1/8	–	8.2
	QJJLA (M) + QLGA-W	3/8, 1/2	3.290	1-1/8	–	8.9
	QJA (F) + QHA	1/8, 1/4, 3/8, 1/2	1.980	1	–	3.8
	QJA (F) + QHA-W	1/8, 1/4, 3/8, 1/2	1.895	1	–	3.5
	QJLA (F) + QLHA	3/8, 1/2	2.368	1-1/8	–	5.9
	QJLA (F) + QLHA-W	3/8, 1/2	2.140	1-1/8	–	5
	QJJA (M) + QHA	1/8, 1/4, 3/8, 1/2	1.773	7/8	–	3.2
	QJJA (M) + QHA-W	1/8, 1/4, 3/8, 1/2	1.802	7/8	–	3.5
	QJJLA (M) + QLHA	3/8, 1/2	2.375	1-1/8	–	5.4
	QJJLA (M) + QLHA-W	3/8, 1/2	2.171	1-1/8	–	5

Based on the largest/heaviest version of each type.

Nozzle	Nozzle Type	Inlet Conn. (in.)	L (in.)	Hex. (in.)	W (Width) (in.)	Net Weight (oz.)
	QPPA (M) + QPHA or QPHA-W	1/8, 1/4, 3/8, 1/2	1.899	7/8	1.250	0.5
	QJA (F) + QGA-15 or QGA-30	1/8, 1/4, 3/8, 1/2	2.736	1	–	5.5
	QJLA (F) + QLGA-15 or QLGA-30	3/8, 1/2	3.425	1-1/8	–	9.7
	QJJA (M) + QGA-15 or QGA-30	1/8, 1/4, 3/8, 1/2	2.635	7/8	–	4.6
	QJJLA (M) + QLGA-15 or QLGA-30	3/8, 1/2	3.465	1-1/8	–	9.2

Based on the largest/heaviest version of each type.

BODY TYPES

Inlet Conn. (in.)	QuickJet and ProMax QuickJet Bodies				
	Conn. F		Conn. M		
	QJA	QJLA	QJJA	QJJLA	QPPA
1/8	•		•		•
1/4	•		•		•
3/8	•	•	•	•	•
1/2	•	•	•	•	•