ФОРСУНКИ ПЛОСКОСТРУЙНЫЕ ПЛОСКОГО РАСПЫЛЕНИЯ

ПЛОСКОФАКЕЛЬНЫЕ ВЕЕРНЫЕ

Страна производства – Китай.

Материалы – нержавеющая сталь, латунь, пластик



Применение:

- Мойка поверхностей под давлением
- Увлажнение
- Охлаждение водяное
- Очистка воздуха и газов

Характеристики:

Угол распыления град при давлении 3 атм	Условный размер проходного сечения (мм)*	Производительность форсунки (л/мин) при давлении (атм)										
		0.3 атм	1 атм	2 атм	3 атм	4 атм	5 атм	6 атм	7 атм	10 атм	20 атм	35 атм
110* 95* 80* 75* 65* 50* 40* 25* 15* 00* - прямая струя	01 (0,66)	0.12	0.23	0.32	0.39	0.46	0.51	0.56	0.60	0.72	1.0	1.3
	03 (1.1)	0.36	0.67	0.96	1.1	1.3	1.4	1.6	1.7	2.1	3.0	4.1
	04 (1.2)	0.51	0.92	1.2	1.5	1.7	2,1	2,3	2,4	3,0	4,2	5,5
	05 (1.3)	0.62	1.2	1.5	2.1	2.2	2.4	2.7	3.1	3.7	5.2	6.6
	06 (1.4)	0.75	1.3	1.9	2.3	2.6	3.2	3.4	3.7	4.2	6.0	8.0
	08 (1.7)	1.1	1.9	2.5	3.1	3.5	4.0	4.4	4.7	5,7	8.1	10.7
	10 (2.1)	1.1	2.2	3.1	3.8	4.5	5.0	5.5	6.1	7.1	10.1	13.4
	15 (2.3)	2.0	3.3	4.4	5.8	6.7	7.7	8.3	9.1	10.7	15.2	20.1
	20 (2.7)	2.4	4.5	6.4	7.8	9.0	10.1	11.1	12.2	14.3	20.1	27.1
	30 (3.5)	3.8	6.9	9.8	11.9	13.8	15.4	16.8	18.2	22	32	41

*Указаны наиболее популярные диаметры. Возможно изготовление других размеров проходного сечения

Размеры и вес:

Резьба NPT или BSPT	Размер под ключ (мм)	Длинна (мм)	Вес (кг)
1/8	12,7	22	0,013
1/4	14,3	25	0,021
3/8	17,5	32	0,041
1/2	22,2	38	0,061

Информация для заказа:

Резьба внешняя “M” или внутренняя “F” NPT или BSPT	Тип форсунки	Материал	Угол распыления	Диаметр условного прохода
1/8 (размеры 03-08) 1/4 (размеры 03-08) 3/8 (размеры 10-30) 1/2 (размеры 10-30)	HVV – плоское распыление	SS – нерж. сталь B- латунь PP-пластик (полипропилен)	110* - 00*	03 - 30

Пример заказа: 1/4M BSPT HVV-SS 110 03

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section C

FLAT SPRAY NOZZLES

Small Capacity (1/8"–3/4" inlet connection size)

Standard Spray

VeeJet® Spray Nozzles 118
KYNAR® VeeJet Spray Nozzles 127
Quick VeeJet Spray Nozzles 129
ProMax® Miniature Quick VeeJet Spray Nozzles 137
ProMax Quick VeeJet Spray Nozzles 139
UniJet® Spray Nozzles 141

Wide Angle Spray

FloodJet® Spray Nozzles 151
Quick FloodJet Spray Nozzles 154
UniJet Spray Nozzles - FloodJet Tip 157

Tapered Edge – Wide Angle Spray

FloodJet Spray Nozzles 159

Narrow Angle Spray

FlatJet® Spray Nozzles 160
Quick FlatJet Spray Nozzles 162

High Impact Spray

WashJet® Spray Nozzles 163

Foaming Spray

FoamJet® Spray Nozzles 169
UniJet FoamJet Spray Nozzles 170

High Impact Spray

Quick WashJet Spray Nozzles 171
Quick Connect WashJet Spray Nozzles 173

High Pressure Spray

UniJet Spray Nozzles – EG Tips 175
UniJet Spray Nozzles – TC Tips 177
UniJet Spray Nozzles – ECRTC Tips 181

Airless and High Pressure Spray

RotoClean® Spray Attachments 183

Medium Capacity (3/4"–2" inlet connection size)

Standard Spray

VeeJet Spray Nozzles 188

Wide Angle Spray

FloodJet Spray Nozzles 191

Special Purpose Flat Spray Nozzles

For "Robotic" Spray Applications

UniJet Tungsten Carbide Spray Nozzle Tips 192

For Fine Finishing Applications

HV Orifice 195

With Ceramic Tip Insert

UniJet Spray Nozzles 195

For Reduced Spray Turbulence

Jet Stabilizers 196

VeeJet® Spray Nozzles • Standard Spray
Small Capacity



H-VV



1/8"-1/4" NPT or BSPT (M)

H-VVL



Integral strainer
1/8"-1/4" NPT or BSPT (M)

H-DT



1/8"-1/4" NPT or BSPT (F)

H-U



1/8"-1/2" NPT or BSPT (M)

H-DU



1/8"-1/4" NPT or BSPT (F)

DESIGN FEATURES

Standard VeeJet spray nozzles feature a high impact solid stream or flat spray pattern with spray angles of 0° to 110° at 40 psi (3 bar). They produce a uniform distribution of small- to medium-sized drops. Specially tapered spray pattern edges provide even spray coverage when several nozzles with overlapping patterns are required.

- **Model H-VV, H-VVL,** and **H-DT** VeeJet nozzles feature flow rates below 1 gpm at 40 psi (3.9 l/min at 3 bar).
- **Model H-VVL** nozzle comes with a built-in strainer.
- **Model H-U** and **H-DU** VeeJet spray nozzles feature flow rates of 1 gpm (3.9 l/min) and greater at 40 psi (3 bar).

ACCESSORIES

- Split-eyelet Connector
- Pressure Gauges
- Adjustable Ball Fittings
- Pressure Relief Valves
- Strainers
- Control Valves
- Check Valves
- Swivel Connectors

See Section L for more info.

COMMON APPLICATIONS

- Cooling and quenching
- Product washing
- Water cooling
- Air and gas washers
- Scrubbers
- Liquor washers
- Dust control
- Fire protection

Mesh Selection Guide	
Orifice Dia.	Recommended Screen Mesh
Up through .018" (.46 mm)	200
.019" (.47 mm) through .031" (.79 mm)	100
.032" (.80 mm) and larger	50

VeeJet® Spray Nozzles • Standard Spray

Small Capacity

PERFORMANCE DATA

Spray Angle at 3 bar	Nozzle Type/ Inlet Connection												Capacity Size	Equiv. Orifice Dia. (mm)	Capacity (liters per minute)											Spray Angle			
	H-VV		H-VVL		H-U				H-DT		H-DU				0.3 bar	1 bar	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	10 bar	20 bar	35 bar	1.5 bar	3 bar	6 bar	14 bar
	1/8	1/4	1/8	1/4	1/8	1/4	3/8	1/2	1/8	1/4	1/8	1/4																	
110°	●	●	●	●									01	.66	.12	.23	.32	.39	.46	.51	.56	.60	.72	1.0	1.3	94°	110°	121°	124°
	●	●	●	●									015	.81	.19	.34	.48	.59	.68	.76	.84	.90	1.1	1.5	29	97°	110°	121°	124°
	●	●	●	●						●			02	.89	.25	.46	.64	.79	.91	1.0	1.1	1.2	1.4	2.0	2.7	98°	110°	120°	123°
	●	●	●	●						●			03	1.1	.37	.68	.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0	99°	110°	120°	123°
	●	●	●	●					●	●			04	1.3	.50	.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4	100°	110°	119°	122°
	●	●	●	●						●			05	1.4	.62	1.1	1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7	100°	110°	118°	122°
	●	●	●	●					●	●			06	1.5	.75	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1	101°	110°	117°	122°
	●	●	●	●						●			08	1.8	1.0	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8	102°	110°	117°	121°
	●	●	●	●					●	●			10	2.0	1.2	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5	103°	110°	117°	119°
	●	●	●	●						●			15	2.4	1.9	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20	104°	110°	117°	118°
						●							20	2.8	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27	105°	110°	117°	118°
95°	●		●						●				0050	.46	—	—	.16	.20	.23	.25	.28	.30	.36	.51	.67	81°	95°	105°	113°
	●	●	●	●									01	.66	.12	.23	.32	.39	.46	.51	.56	.60	.72	1.0	1.3	81°	95°	105°	113°
	●		●	●									015	.81	.19	.34	.48	.59	.68	.76	.84	.90	1.1	1.5	2.0	82°	95°	105°	113°
	●	●	●	●					●	●			02	.89	.25	.46	.64	.79	.91	1.0	1.1	1.2	1.4	2.0	2.7	82°	95°	105°	113°
	●	●	●	●						●			03	1.1	.37	.68	.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0	83°	95°	104°	111°
	●	●	●	●					●	●			04	1.3	.50	.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4	84°	95°	103°	108°
	●	●	●	●					●				05	1.4	.62	1.1	1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7	84°	95°	102°	107°
	●	●	●	●					●	●			06	1.5	.75	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1	86°	95°	101°	106°
	●								●				065	1.6	.80	1.5	2.1	2.6	3.0	3.3	3.6	3.9	4.7	6.6	8.8	86°	95°	101°	106°
	●	●	●	●					●	●			08	1.8	1.0	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8	87°	95°	100°	105°
					●	●		●			●	●	10	2.0	1.2	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5	89°	95°	100°	105°
					●	●		●			●	●	15	2.4	1.9	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20	90°	95°	100°	105°
					●	●	●					●	20	2.8	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27	90°	95°	100°	105°
					●	●		●			●	●	30	3.4	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40	91°	95°	101°	105°
						●	●	●				●	40	3.9	5.0	9.1	12.9	15.8	18.2	20	22	24	29	41	54	92°	95°	100°	105°
						●		●				●	50	4.4	6.2	11.4	16.1	19.7	23	25	28	30	36	51	68	93°	95°	99°	103°
						●		●				●	60	4.8	7.5	13.7	19.3	24	27	31	33	36	43	61	81	93°	95°	99°	103°
						●	●	●				●	70	5.2	8.7	16.0	23	28	32	36	39	42	50	71	94	93°	95°	99°	103°
								●					80	5.5	10.0	18.2	26	32	36	41	45	48	58	82	108	93°	95°	99°	102°
								●					100	6.2	12.5	23	32	39	46	51	56	60	72	102	135	93°	95°	99°	102°
								●					150	7.5	18.7	34	48	59	68	76	84	90	108	153	205	93°	95°	99°	102°
80°	●	●	●	●									0050	.46	—	.11	.16	.20	.23	.25	.28	.30	.36	.51	.67	61°	80°	95°	101°
	●	●	●	●									0067	.53	—	.15	.22	.26	.31	.34	.37	.40	.48	.68	.90	67°	80°	94°	99°



VeeJet® Spray Nozzles • Standard Spray

Small Capacity

PERFORMANCE DATA

Spray Angle at 3 bar	Nozzle Type/ Inlet Connection												Capacity Size	Equiv. Orifice Dia. (mm)	Capacity (liters per minute)											Spray Angle			
	H-VV		H-VVL		H-U				H-DT		H-DU				0.3 bar	1 bar	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	10 bar	20 bar	35 bar	1.5 bar	3 bar	6 bar	14 bar
	1/8	1/4	1/8	1/4	1/8	1/4	3/8	1/2	1/8	1/4	1/8	1/4																	
	●	●	●	●					●	●			01	.66	—	.23	.32	.39	.46	.51	.56	.60	.72	1.0	1.3	68°	80°	89°	92°
		●	●	●	●					●			015	.81	—	.34	.48	.59	.68	.76	.84	.90	1.1	1.5	2.0	68°	80°	89°	92°
	●	●	●	●					●	●			02	.89	.25	.46	.64	.79	.91	1.0	1.1	1.2	1.4	2.0	2.7	69°	80°	88°	91°
	●	●	●	●					●	●			03	1.1	.37	.68	.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0	70°	80°	87°	90°
	●	●	●	●					●	●			04	1.3	.50	.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4	71°	80°	86°	89°
	●	●	●	●					●	●			05	1.4	.62	1.1	1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7	71°	80°	86°	89°
	●	●	●	●					●	●			06	1.5	.75	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1	72°	80°	85°	88°
	●								●	●			07	1.7	.90	1.6	2.3	2.8	3.2	3.6	3.9	4.2	5.0	7.1	9.4	72°	80°	85°	88°
	●	●	●	●					●	●			08	1.8	1.0	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8	72°	80°	84°	87°
		●		●					●	●			09	1.9	1.1	2.1	2.9	3.6	4.1	4.6	5.0	5.4	6.5	9.2	12.1	73°	80°	84°	87°
80°					●	●	●	●			●	●	10	2.0	1.2	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5	73°	80°	84°	87°
					●	●		●			●	●	15	2.4	1.9	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20	74°	80°	83°	86°
					●	●	●	●			●	●	20	2.8	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27	74°	80°	83°	86°
					●	●	●	●			●	●	30	3.4	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40	74°	80°	83°	86°
					●	●	●	●			●	●	40	3.9	5.0	9.1	12.9	15.8	18.2	20	22	24	29	41	54	74°	80°	83°	86°
						●	●	●				●	50	4.4	6.2	11.4	16.1	19.7	23	25	28	30	36	51	68	74°	80°	83°	85°
						●	●	●				●	60	4.8	7.5	13.7	19.3	24	27	31	33	36	43	61	81	75°	80°	83°	85°
						●	●	●				●	70	5.2	8.7	16.0	23	28	32	36	39	42	50	71	94	75°	80°	83°	86°
							●	●					100	6.2	12.5	23	32	39	46	51	56	60	72	102	135	75°	80°	83°	86°
							●	●					150	7.5	18.7	34	48	59	68	76	84	90	108	153	205	73°	80°	84°	86°
								●					200	8.7	25	46	64	79	91	102	112	121	144	205	270	74°	80°	82°	85°
	●	●	●	●					●				0077	.58	—	.18	.25	.30	.35	.39	.43	.46	.55	.78	1.0	53°	73°	86°	92°
	●	●	●	●									0154	.81	.19	.35	.50	.61	.70	.78	.86	.93	1.1	1.6	2.1	55°	73°	84°	88°
		●		●									0231	.97	.29	.53	.74	.91	1.1	1.2	1.3	1.4	1.7	2.4	3.1	56°	73°	83°	87°
73°	●	●	●	●									0308	1.2	.38	.70	.99	1.2	1.4	1.6	1.7	1.9	2.2	3.1	4.2	58°	73°	82°	86°
		●		●									0462	1.4	.58	1.1	1.5	1.8	2.1	2.4	2.6	2.8	3.3	4.7	6.2	60°	73°	80°	84°
	●		●										0770	1.8	.96	1.8	2.5	3.0	3.5	3.9	4.3	4.6	5.5	7.8	10.4	64°	73°	77°	82°
	●		●										0017	.28	—	—	.05	.06	.07	.08	.09	.10	.12	.17	.23	44°	65°	77°	86°
	●		●										0033	.38	—	—	.11	.13	.15	.17	.18	.20	.24	.34	.44	47°	65°	76°	83°
	●	●	●	●					●				0067	.53	—	.15	.22	.26	.31	.34	.37	.40	.48	.68	.90	50°	65°	75°	81°
65°	●	●	●	●					●	●			01	.66	—	.23	.32	.39	.46	.51	.56	.60	.72	1.0	1.3	51°	65°	74°	80°
	●	●	●	●									015	.81	—	.34	.48	.59	.68	.76	.84	.90	1.1	1.5	2.0	51°	65°	74°	80°
	●	●	●	●					●	●			02	.89	.25	.46	.64	.79	.91	1.0	1.1	1.2	1.4	2.0	2.7	52°	65°	73°	79°

VeeJet® Spray Nozzles • Standard Spray

Small Capacity

PERFORMANCE DATA

Spray Angle at 3 bar	Nozzle Type/ Inlet Connection												Capacity Size	Equiv. Orifice Dia. (mm)	Capacity (liters per minute)											Spray Angle			
	H-VV		H-VVL		H-U				H-DT		H-DU				0.3 bar	1 bar	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	10 bar	20 bar	35 bar	1.5 bar	3 bar	6 bar	14 bar
	1/8	1/4	1/8	1/4	1/8	1/4	3/8	1/2	1/8	1/4	1/8	1/4																	
65°	●		●										025	.99	.31	.57	.81	.99	1.1	1.3	1.4	1.5	1.8	2.5	3.4	52°	65°	73°	79°
	●	●	●	●					●	●			03	1.1	.37	.68	.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0	53°	65°	72°	78°
	●	●	●	●					●	●			04	1.3	.50	.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4	53°	65°	72°	76°
	●	●	●	●					●	●			05	1.4	.62	1.1	1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7	53°	65°	72°	76°
		●							●	●			055	1.5	.70	1.3	1.8	2.2	2.5	2.8	3.1	3.3	4.0	5.6	7.4	53°	65°	72°	76°
	●	●		●					●	●			06	1.5	.75	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1	54°	65°	72°	75°
		●							●	●			07	1.7	.90	1.6	2.3	2.8	3.2	3.6	3.9	4.2	5.0	7.1	9.4	54°	65°	71°	75°
	●	●	●	●					●	●			08	1.8	1.0	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8	55°	65°	71°	74°
	●								●	●			09	1.9	1.1	2.1	2.9	3.6	4.1	4.6	5.0	5.4	6.5	9.2	12.1	55°	65°	71°	74°
					●	●	●				●	●	10	2.0	1.2	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5	56°	65°	71°	74°
					●	●							12	2.1	1.5	2.7	3.9	4.7	5.5	6.1	6.7	7.2	8.6	12.2	16.2	56°	65°	71°	73°
					●	●	●	●			●	●	15	2.4	1.9	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20	56°	65°	70°	73°
					●	●		●			●	●	20	2.8	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27	57°	65°	70°	73°
					●								25	3.1	3.1	5.7	8.1	9.9	11.4	12.7	14.0	15.1	18.0	25	34	57°	65°	69°	73°
					●	●	●				●	●	30	3.4	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40	58°	65°	69°	72°
					●	●	●				●	●	40	3.9	5.0	9.1	12.9	15.8	18.2	20	22	24	29	41	54	59°	65°	68°	72°
					●	●	●	●				●	50	4.4	6.2	11.4	16.1	19.7	23	25	28	30	36	51	68	60°	65°	68°	71°
						●	●	●				●	60	4.8	7.5	13.7	19.3	24	27	31	33	36	43	61	81	60°	65°	68°	71°
						●	●	●			●	●	70	5.2	8.7	16.0	23	28	32	36	39	42	50	71	94	60°	65°	68°	71°
							●	●					100	6.2	12.5	23	32	39	46	51	56	60	72	102	135	58°	65°	69°	70°
							●	●					150	7.5	18.7	34	48	59	68	76	84	90	108	153	205	59°	65°	68°	70°
								●					200	8.7	25	46	64	79	91	102	112	121	144	205	270	60°	65°	67°	69°
50°	●	●	●	●									01	.66	—	.23	.32	.39	.46	.51	.56	.60	.72	1.0	1.3	37°	50°	59°	65°
	●	●	●	●							●		02	.89	—	.46	.64	.79	.91	1.0	1.1	1.2	1.4	2.0	2.7	39°	50°	57°	63°
	●	●	●	●						●	●		03	1.1	.37	.68	.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0	40°	50°	56°	62°
	●	●	●	●						●	●		04	1.3	.50	.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4	42°	50°	56°	61°
	●	●	●	●						●	●		05	1.4	.62	1.1	1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7	44°	50°	56°	61°
	●									●	●		055	1.5	.70	1.3	1.8	2.2	2.5	2.8	3.1	3.3	4.0	5.6	7.4	44°	50°	56°	61°
	●	●	●	●						●	●		06	1.5	.75	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1	45°	50°	56°	60°
	●	●								●	●		07	1.7	.90	1.6	2.3	2.8	3.2	3.6	3.9	4.2	5.0	7.1	9.4	45°	50°	56°	60°
	●	●	●	●						●	●		08	1.8	1.0	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8	45°	50°	55°	60°



VeeJet® Spray Nozzles • Standard Spray
Small Capacity

PERFORMANCE DATA

Spray Angle at 3 bar	Nozzle Type/ Inlet Connection												Capacity Size	Equiv. Orifice Dia. (mm)	Capacity (liters per minute)											Spray Angle			
	H-VV		H-VVL		H-U				H-DT		H-DU				0.3 bar	1 bar	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	10 bar	20 bar	35 bar	1.5 bar	3 bar	6 bar	14 bar
	1/8	1/4	1/8	1/4	1/8	1/4	3/8	1/2	1/8	1/4	1/8	1/4																	
50°		●							●	●			09	1.9	1.1	2.1	2.9	3.6	4.1	4.6	5.0	5.4	6.5	9.2	12.1	45°	50°	55°	59°
					●	●	●				●	●	10	2.0	1.2	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5	45°	50°	55°	59°
						●	●	●			●	●	15	2.4	1.9	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20	45°	50°	55°	59°
					●	●	●	●				●	20	2.8	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27	45°	50°	55°	59°
					●	●	●	●				●	30	3.4	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40	45°	50°	55°	59°
					●	●	●				●	●	40	3.9	5.0	9.1	12.9	15.8	18.2	20	22	24	29	41	54	46°	50°	54°	59°
					●	●	●					●	50	4.4	6.2	11.4	16.1	19.7	23	25	28	30	36	51	68	46°	50°	54°	59°
						●	●					●	60	4.8	7.5	13.7	19.3	24	27	31	33	36	43	61	81	46°	50°	54°	59°
						●	●	●				●	70	5.1	8.7	16.0	23	28	32	36	39	42	50	71	94	46°	50°	54°	59°
						●	●						80	5.5	10.0	18.2	26	32	36	41	45	48	58	82	108	45°	50°	53°	58°
							●						85	5.7	10.6	19.4	27	34	39	43	47	51	61	87	115	45°	50°	53°	57°
						●							90	5.8	11.2	21	29	36	41	46	50	54	65	92	121	45°	50°	53°	56°
							●	●					100	6.2	12.5	23	32	39	46	51	56	60	72	102	135	44°	50°	52°	54°
							●						110	6.5	13.7	25	35	43	50	56	61	66	79	112	148	45°	50°	53°	54°
							●						120	6.7	15.0	27	39	47	55	61	67	72	86	122	162	44°	50°	53°	55°
							●						135	7.2	16.9	31	44	53	62	69	75	81	97	138	182	45°	50°	52°	55°
							●	●					150	7.5	18.7	34	48	59	68	76	84	90	108	153	205	45°	50°	52°	55°
								●					200	8.7	25	46	64	79	91	102	112	121	144	205	270	46°	50°	52°	55°
								●					250	9.7	31	57	81	99	114	127	140	151	180	255	335	46°	50°	52°	55°
40°	●	●	●	●					●				01	.66	—	—	.32	.39	.46	.51	.56	.60	.72	1.0	1.3	26°	40°	52°	59°
	●	●	●	●					●				015	.81	—	—	.48	.59	.68	.76	.84	.90	1.1	1.5	2.0	27°	40°	52°	59°
	●	●	●	●					●	●			02	.89	—	.46	.64	.79	.91	1.0	1.1	1.2	1.4	2.0	2.7	29°	40°	51°	58°
	●	●	●	●					●	●			03	1.1	—	.68	.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0	30°	40°	50°	57°
	●	●	●	●					●	●			04	1.3	—	.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4	30°	40°	50°	56°
	●	●	●	●					●	●			05	1.4	—	1.1	1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7	31°	40°	49°	55°
	●	●							●	●			055	1.5	.70	1.3	1.8	2.2	2.5	2.8	3.1	3.3	4.0	5.6	7.4	31°	40°	49°	55°
	●	●	●	●					●	●			06	1.5	—	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1	31°	40°	49°	55°
	●	●							●	●			065	1.6	.80	1.5	2.1	2.6	3.0	3.3	3.6	3.9	4.7	6.6	8.8	31°	40°	48°	54°
	●	●							●	●			07	1.7	.90	1.6	2.3	2.8	3.2	3.6	3.9	4.2	5.0	7.1	9.4	31°	40°	48°	54°

VeeJet® Spray Nozzles • Standard Spray

Small Capacity

PERFORMANCE DATA

Spray Angle at 3 bar	Nozzle Type/ Inlet Connection												Capacity Size	Equiv. Orifice Dia. (mm)	Capacity (liters per minute)											Spray Angle			
	H-VV		H-VVL		H-U				H-DT		H-DU				0.3 bar	1 bar	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	10 bar	20 bar	35 bar	1.5 bar	3 bar	6 bar	14 bar
	1/8	1/4	1/8	1/4	1/8	1/4	3/8	1/2	1/8	1/4	1/8	1/4																	
40°	●	●	●	●					●	●			08	1.8	1.0	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8	31°	40°	47°	53°
	●												085	1.8	1.1	1.9	2.7	3.4	3.9	4.3	4.7	5.1	6.1	8.7	11.5	32°	40°	46°	50°
	●	●							●	●			09	1.9	1.1	2.1	2.9	3.6	4.1	4.6	5.0	5.4	6.5	9.2	12.1	32°	40°	46°	50°
					●	●	●				●	●	10	2.0	1.2	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5	32°	40°	45°	48°
					●	●	●	●			●	●	15	2.4	1.9	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20	32°	40°	45°	48°
					●	●	●	●			●	●	20	2.8	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27	32°	40°	45°	48°
					●	●	●				●	●	30	3.4	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40	33°	40°	45°	48°
					●	●	●				●	●	40	3.9	5.0	9.1	12.9	15.8	18.2	20	22	24	29	41	54	34°	40°	45°	48°
						●	●	●				●	50	4.4	6.2	11.4	16.1	19.7	23	25	28	30	36	51	68	35°	40°	45°	48°
						●	●	●				●	60	4.8	7.5	13.7	19.3	24	27	31	33	36	43	61	81	35°	40°	45°	48°
						●	●	●				●	70	5.2	8.7	16.0	23	28	32	36	39	42	50	71	94	35°	40°	45°	48°
						●							80	5.5	10.0	18.2	26	32	36	41	45	48	58	82	108	35°	40°	44°	47°
							●	●					100	6.2	12.5	23	32	39	46	51	56	60	72	102	135	34°	40°	43°	46°
							●	●					150	7.5	18.7	34	48	59	68	76	84	90	108	153	205	35°	40°	43°	44°
								●					200	8.7	25	46	64	79	91	102	112	121	144	205	270	36°	40°	42°	44°
25°	●	●	●	●					●				01	.66	—	—	.32	.39	.46	.51	.56	.60	.72	1.0	1.3	14°	25°	34°	42°
	●	●	●	●					●	●			02	.89	—	.46	.64	.79	.91	1.0	1.1	1.2	1.4	2.0	2.7	15°	25°	33°	40°
	●	●	●	●					●	●			03	1.1	—	.68	.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0	15°	25°	33°	40°
	●	●	●	●					●	●			04	1.3	—	.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4	16°	25°	32°	39°
				●					●	●			045	1.3	.60	1.0	1.5	1.8	2.1	2.3	2.5	2.7	3.2	4.6	6.1	16°	25°	32°	39°
	●	●	●	●					●	●			05	1.4	—	1.1	1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7	16°	25°	32°	39°
	●	●							●	●			055	1.5	.70	1.3	1.8	2.2	2.5	2.8	3.1	3.3	4.0	5.6	7.4	16°	25°	31°	38°
	●	●	●	●					●	●			06	1.5	—	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1	17°	25°	31°	38°
	●	●							●	●			065	1.6	.80	1.5	2.1	2.6	3.0	3.3	3.6	3.9	4.7	6.6	8.8	17°	25°	31°	38°
	●	●	●						●	●			07	1.7	.90	1.6	2.3	2.8	3.2	3.6	3.9	4.2	5.0	7.1	9.4	17°	25°	31°	38°
	●	●											075	1.7	.90	1.7	2.4	3.0	3.4	3.8	4.2	4.5	5.4	7.6	10.1	17°	25°	31°	38°
	●	●	●	●					●	●			08	1.8	—	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8	17°	25°	31°	38°
	●												085	1.8	1.1	1.9	2.7	3.4	3.9	4.3	4.7	5.1	6.1	8.7	11.5	18°	25°	31°	37°
	●	●							●	●			09	1.9	1.1	2.1	2.9	3.6	4.1	4.6	5.0	5.4	6.5	9.2	12.1	18°	25°	31°	37°
					●	●					●	●	10	2.0	—	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5	18°	25°	31°	37°
					●	●	●		●		●	●	15	2.4	—	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20	18°	25°	31°	37°
					●	●	●				●	●	20	2.8	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27	19°	25°	31°	37°
					●	●	●				●	●	30	3.4	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40	20°	25°	30°	36°
						●	●				●	●	40	3.9	5.0	9.1	12.9	15.8	18.2	20	22	24	29	41	54	21°	25°	29°	35°
						●	●					●	50	4.4	6.2	11.4	16.1	19.7	23	25	28	30	36	51	68	21°	25°	29°	35°

VeeJet® Spray Nozzles • Standard Spray

Small Capacity

PERFORMANCE DATA

Spray Angle at 3 bar	Nozzle Type/ Inlet Connection												Capacity Size	Equiv. Orifice Dia. (mm)	Capacity (liters per minute)											Spray Angle			
	H-VV		H-VVL		H-U				H-DT		H-DU				0.3 bar	1 bar	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	10 bar	20 bar	35 bar	1.5 bar	3 bar	6 bar	14 bar
	1/8	1/4	1/8	1/4	1/8	1/4	3/8	1/2	1/8	1/4	1/8	1/4																	
25°						●	●					●	60	4.8	7.5	13.7	19.3	24	27	31	33	36	43	61	81	22°	25°	29°	35°
						●	●	●				●	70	5.2	8.7	16.0	23	28	32	36	39	42	50	71	94	22°	25°	29°	35°
							●	●					100	6.2	12.5	23	32	39	46	51	56	60	72	102	135	23°	25°	28°	32°
							●	●					150	7.5	18.7	34	48	59	68	76	84	90	108	153	205	24°	25°	28°	30°
								●					200	8.7	25	46	64	79	91	102	112	121	144	205	270	24°	25°	26°	29°
15°	●	●		●	●								01	.66	—	—	.32	.39	.46	.51	.56	.60	.72	1.0	1.3	—	15°	24°	28°
	●		●						●	●			02	.89	—	—	.64	.79	.91	1.0	1.1	1.2	1.4	2.0	2.7	6°	15°	22°	27°
	●	●	●	●					●	●			03	1.1	—	—	.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0	6°	15°	22°	27°
	●	●	●	●					●	●			04	1.3	—	—	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4	7°	15°	21°	26°
	●	●	●	●					●	●			05	1.4	—	—	1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7	7°	15°	21°	26°
	●	●							●	●			055	1.5	.70	1.3	1.8	2.2	2.5	2.8	3.1	3.3	4.0	5.6	7.4	7°	15°	21°	26°
	●	●	●	●					●	●			06	1.5	—	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1	8°	15°	21°	26°
	●	●							●	●			065	1.6	.80	1.5	2.1	2.6	3.0	3.3	3.6	3.9	4.7	6.6	8.8	8°	15°	20°	25°
		●							●	●			07	1.7	.90	1.6	2.3	2.8	3.2	3.6	3.9	4.2	5.0	7.1	9.4	8°	15°	20°	25°
	●	●	●	●					●	●			08	1.8	—	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8	9°	15°	20°	25°
	●	●							●	●			085	1.8	1.1	1.9	2.7	3.4	3.9	4.3	4.7	5.1	6.1	8.7	11.5	9°	15°	19°	24°
	●	●							●	●			09	1.9	1.1	2.1	2.9	3.6	4.1	4.6	5.0	5.4	6.5	9.2	12.1	9°	15°	19°	24°
					●	●					●	●	10	2.0	—	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5	10°	15°	19°	24°
					●	●	●				●	●	15	2.4	—	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20	10°	15°	19°	24°
					●	●	●				●	●	20	2.8	—	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27	10°	15°	19°	23°
					●	●	●				●	●	30	3.4	—	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40	10°	15°	19°	21°
					●	●	●				●	●	40	3.9	—	9.1	12.9	15.8	18.2	20	22	24	29	41	54	10°	15°	18°	21°
						●	●	●				●	50	4.4	—	11.4	16.1	19.7	23	25	28	30	36	51	68	11°	15°	18°	21°
						●	●					●	60	4.8	—	13.7	19.3	24	27	31	33	36	43	61	81	11°	15°	18°	21°
						●	●	●				●	70	5.2	—	16.0	23	28	32	36	39	42	50	71	94	11°	15°	18°	21°
							●	●					100	6.2	12.5	23	32	39	46	51	56	60	72	102	135	13°	15°	17°	18°
							●						120	6.7	15.0	27	39	47	55	61	67	72	86	122	162	13°	15°	17°	18°
								●					150	7.5	18.7	34	48	59	68	76	84	90	108	153	205	14°	15°	17°	18°
								●					200	8.7	25	46	64	79	91	102	112	121	144	205	270	14°	15°	17°	18°

VeeJet® Spray Nozzles • Standard Spray

Small Capacity – Solid Stream



PERFORMANCE DATA

Spray Angle at 3 bar	Nozzle Type/ Inlet Connection												Capacity Size	Equiv. Orifice Dia. (mm)	Capacity (liters per minute)											Spray Angle			
	H-VV		H-VVL		H-U				H-DT		H-DU				0.3 bar	1 bar	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	10 bar	20 bar	35 bar	1.5 bar	3 bar	6 bar	14 bar
	1/8	1/4	1/8	1/4	1/8	1/4	3/8	1/2	1/8	1/4	1/8	1/4																	
					●	●						●	03	1.0	.37	.68	.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0				
					●	●					●	●	04	1.2	.50	.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4				
					●	●					●	●	05	1.3	.62	1.1	1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7				
					●	●					●	●	055	1.4	.70	1.3	1.8	2.2	2.5	2.8	3.1	3.3	4.0	5.6	7.4				
					●	●					●	●	06	1.5	.75	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1				
					●	●					●	●	065	1.5	.80	1.5	2.1	2.6	3.0	3.3	3.6	3.9	4.7	6.6	8.8				
						●					●	●	07	1.6	.90	1.6	2.3	2.8	3.2	3.6	3.9	4.2	5.0	7.1	9.4				
					●	●					●	●	08	1.7	1.0	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8				
					●								085	1.8	1.1	1.9	2.7	3.4	3.9	4.3	4.7	5.1	6.1	8.7	11.5				
					●	●					●	●	09	1.8	1.1	2.1	2.9	3.6	4.1	4.6	5.0	5.4	6.5	9.2	12.1				
					●	●					●	●	10	1.9	1.2	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5				
						●						●	12	2.1	1.5	2.7	3.9	4.7	5.5	6.1	6.7	7.2	8.6	12.2	16.2				
					●	●					●	●	15	2.3	1.9	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20				
00°					●	●	●				●	●	20	2.7	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27	00° Solid Stream			
					●	●					●	●	30	3.3	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40				
					●	●					●	●	40	3.8	5.0	9.1	12.9	15.8	18.2	20	22	24	29	41	54				
						●						●	50	4.2	6.2	11.4	16.1	19.7	23	25	28	30	36	51	68				
						●						●	60	4.6	7.5	13.7	19.3	24	27	31	33	36	43	61	81				
						●	●					●	70	5.0	8.7	16.0	23	28	32	36	39	42	50	71	94				
						●	●						80	5.3	10.0	18.2	26	32	36	41	45	48	58	82	108				
							●						100	6.0	12.5	23	32	39	46	51	56	60	72	102	135				
							●						120	6.8	15.0	27	39	47	55	61	67	72	86	122	162				
						●		●					150	7.3	18.7	34	48	59	68	76	84	90	108	153	205				
								●					165	7.7	21	38	53	65	75	84	92	99	119	168	220				
								●					200	8.5	25	46	64	79	91	102	112	121	144	205	270				
							●	●					250	9.5	31	57	81	99	114	127	140	151	180	255	340				

VeeJet® Spray Nozzles • Standard Spray
Small Capacity

DIMENSIONS & WEIGHTS

	Nozzle Type (Conn.)	Nozzle Inlet Conn. NPT or BSPT	Hex. (mm)	Length (mm)	Net Weight (kg)
H-VV	H-VV (M)	1/8	12.7	22	.014
		1/4	14.3	23	.02
H-VVL	H-VVL (M)	1/8	12.7	36	.02
		1/4	14.3	38	.03
H-U	H-U (M)	1/8	12.7	22	.014
		1/4	14.3	25	.02
		3/8	17.5	32	.04
		1/2	22.2	38	.06
H-DT	H-DT (F)	1/8	27	51	.14
		1/4	33	63.5	.26
H-DU	H-DU (F)	1/8	43	95.5	.57
		1/4	60	127	1.93

Based on largest/heaviest version of each type.

ORDERING INFO

STANDARD SPRAY NOZZLE

H	1/4	VV	–	SS	110	10
Nozzle Prefix	Inlet Conn.	Nozzle Type		Material Code	Spray Angle	Capacity Size

MATERIALS

Material	Material Code	Nozzle Type				
		H-VV	H-VVL	H-U	H-DT	H-DU
Brass	(none)	●	●	●	●	●
Mild Steel	I	●		●		
303 Stainless Steel	SS	●	●	●	●	●
316 Stainless Steel	316SS	●	●	●		
Polyvinyl Chloride	PVC			●		●

Other materials available upon request.

STRAINER



VeeJet nozzle strainer

DESIGN FEATURES

VeeJet nozzle strainers are available with either brass or 303 stainless steel bodies and come with 304 stainless steel screens. These strainers will fit in any H1/8VV or H1/4VV VeeJet nozzle. They provide an effective means of straining out particles that are too large to pass through the nozzle orifice.

ORDERING INFO

For Nozzle Series	Strainer Order No.
H1/8VV–	12686-*-**
H1/4VV–	12687-*-**

* Material Code (no material code = Brass; SS = 303 Stainless Steel)
** Screen Mesh

Mesh Selection Guide	
Orifice Dia.	Recommended Screen Mesh
Up through .018" (.46 mm)	200
.019" (.47 mm) through .031" (.79 mm)	100
.032" (.80 mm) and larger	50

KYNAR® VeeJet® Spray Nozzles • Standard Spray
Small Capacity

HVV-KY



KYNAR VeeJet spray nozzle
1/8"-1/4" NPT or BSPT (M)

HU-KY



KYNAR VeeJet spray nozzle
1/4"-3/8" NPT or BSPT (M)

Patent No. 5,337,958

DESIGN FEATURES

Natural KYNAR (PVDF) VeeJet spray nozzles provide chemical and corrosion resistance in an ultra-pure material. The natural, non-pigmented KYNAR material contains no colorants or fillings.

- Nozzle body is standard hex size and has a flange for easy installation and removal using a standard socket wrench.
- Flats on the VeeJet nozzle facilitate proper alignment of spray pattern.
- KYNAR nozzles are FDA compliant.
- Optional removable strainer.

ORDERING INFO

STANDARD SPRAY NOZZLE

H 1/4 U – KY 80 10

Nozzle Prefix	Inlet Conn.	Nozzle Type	Material Code	Spray Angle	Capacity Size

COMMON APPLICATIONS

- Integrated circuit manufacturing
- PCB manufacturing
- Washing and rinsing
- Quenching and cooling
- Dust suppression
- Gas scrubbing
- Deaerating

PERFORMANCE DATA

HVV-KY

Nozzle Inlet Conn. NPT or BSPT (M)	Spray Angle at 3 bar							Capacity Size	Capacity (liters per minute)										
	40°	50°	65°	80°	95°	110°	120°		0.3 bar	1 bar	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	10 bar	20 bar	35 bar
1/8, 1/4	●	●	●	●	●	●	●	02	.25	.46	.64	.79	.91	1.0	1.1	1.2	1.4	2.0	2.7
	●	●	●	●	●	●	●	03	.37	.68	.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0
	●	●	●	●	●	●	●	04	.50	.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4
	●	●	●	●	●	●	●	05	.62	1.1	1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7
	●	●	●	●	●	●	●	06	.75	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1
	●	●	●	●	●	●	●	08	1.0	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8

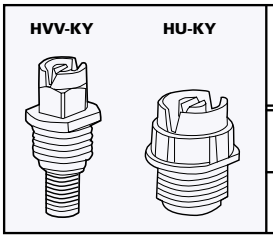
KYNAR® VeeJet® Spray Nozzles • Standard Spray
Small Capacity

PERFORMANCE DATA

HU-KY

Nozzle Inlet Conn. NPT or BSPT (M)	Spray Angle at 3 bar							Capacity Size	Capacity (liters per minute)										
	40°	50°	65°	80°	95°	110°	120°		0.3 bar	1 bar	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	10 bar	20 bar	35 bar
1/4, 3/8	●	●	●	●	●	●	●	10	1.2	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5
	●	●	●	●	●	●	●	15	1.9	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20
	●	●	●	●	●	●	●	20	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27
	●	●	●	●	●	●	●	30	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40
	●	●	●	●	●	●	●	40	5.0	9.1	12.9	15.8	18.2	20	22	24	29	41	54
	●	●	●	●	●	●	●	50	6.2	11.4	16.1	19.7	23	25	28	30	36	51	68

DIMENSIONS & WEIGHTS



Nozzle Type (Conn.)	Nozzle Inlet Conn. NPT or BSPT	Length (mm)	Dia. (mm)	Net Weight
HVV-KY (M)	1/8	33.3	15.9	2.8 gr.
	1/4	33.3	15.9	2.8 gr.
HU-KY (M)	1/4	25.4	22.2	5.6 gr.
	3/8	25.4	22.2	5.6 gr.

Based on largest/heaviest version of each type.

STRAINER



Optional strainer

DESIGN FEATURES

Optional strainer (50 mesh) for Type HVV-KY. Snaps into nozzle inlet.

ORDERING INFO

For Nozzle Series	Strainer Order No.
H1/8VV-KY	CP39212-1-KY
H1/4VV-KY	CP39212-2-KY

QUICK VeeJet® Spray Nozzles • Standard Spray

Small Capacity

IMPROVED TECHNOLOGY
ENSURES TROUBLE-FREE PERFORMANCE AND FAST MAINTENANCE

C

FLAT SPRAY NOZZLES

Typical assembly for Miniature Quick VeeJet spray nozzles



QJJS male body



Seal



Spray tip

Typical spray nozzle assembly for QVVA, QUA, & QLUA spray tips



QJA and QJLA female bodies or



QJJA and QJJLA male bodies



Spray tip

QSVV



Quick VeeJet nozzle miniature spray tip

QSU



Quick VeeJet nozzle miniature spray tip

QVVA



Quick VeeJet nozzle spray tip

QUA



Quick VeeJet nozzle spray tip

QLUA



Quick VeeJet nozzle spray tip

COMMON APPLICATIONS

- Metal cleaning and processing
- Spray coating
- Degreasing and rinsing
- Parts washing
- Spray cooling
- Pressure cleaning
- Sand, coal, and gravel washing

FOR MORE QUICKJET® SYSTEM INFO SEE SECTION A

DESIGN FEATURES

Quick VeeJet flat spray tips offer the advantages of standard VeeJet nozzles and save time with quick-connect 1/4 turn installation and automatic spray pattern alignment. Nozzles are available in brass with a Buna-N seal or in 303 stainless steel with a VITON® seal.

- **Model QSVV** and **QSU** Quick VeeJet tips combine high impact flat spray patterns with small tip sizes. QSVV tips offer flow rates below 1 gpm at 40 psi (3.9 l/min at 3 bar). QSU tips provide flow rates of 1 gpm or greater at 40 psi (3.9 l/min at 3 bar).
- **Model QVVA** Quick VeeJet tips offer flow rates below 1 gpm at 40 psi (3.9 l/min at 3 bar).
- **Model QUA** and **QLUA** Quick VeeJet tips provide flow rates of 1 gpm or greater at 40 psi (3.9 l/min at 3 bar).

ACCESSORIES

- Strainers
- Check Valves

See Section L for more info.

QUICK VeeJet® Spray Nozzles • Standard Spray
Small Capacity

PERFORMANCE DATA

Spray Angle at 3 bar	Quick VeeJet Tip Type					Capacity Size	Equiv. Orifice Dia. (mm)	Capacity (liters per minute)											Spray Angle			
	QSVV	QVVA	QSU	QUA	QLUA			0.3 bar	1 bar	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	10 bar	20 bar	35 bar	1.5 bar	3 bar	6 bar	14 bar
110°	●	●				01	.66	.12	.23	.32	.39	.46	.51	.56	.60	.72	1.0	1.3	94°	110°	121°	124°
	●	●				015	.81	.19	.34	.48	.59	.68	.76	.84	.90	1.1	1.5	2.0	97°	110°	121°	124°
	●	●				02	.91	.25	.46	.64	.79	.91	1.0	1.1	1.2	1.4	2.0	2.7	98°	110°	120°	123°
	●	●				03	1.1	.37	.68	.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0	99°	110°	120°	123°
		●				04	1.3	.50	.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4	100°	110°	119°	122°
		●				05	1.4	.62	1.1	1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7	100°	110°	118°	122°
		●				06	1.5	.75	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1	101°	110°	117°	122°
	●	●				08	1.8	1.0	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8	102°	110°	117°	121°
		●				10	2.0	1.2	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5	103°	110°	117°	119°
		●				15	2.4	1.9	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20	104°	110°	117°	118°
		●				20	2.8	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27	105°	110°	117°	118°
95°		●				01	.66	.12	.23	.32	.39	.46	.51	.56	.60	.72	1.0	1.3	81°	95°	105°	113°
		●				015	.81	.19	.34	.48	.59	.68	.76	.84	.90	1.1	1.5	2.0	82°	95°	105°	113°
		●				02	.91	.25	.46	.64	.79	.91	1.0	1.1	1.2	1.4	2.0	2.7	82°	95°	105°	113°
		●				03	1.1	.37	.68	.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0	83°	95°	104°	111°
		●				04	1.3	.50	.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4	84°	95°	103°	108°
		●				05	1.4	.62	1.1	1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7	84°	95°	102°	107°
		●				06	1.5	.75	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1	86°	95°	101°	106°
		●				08	1.8	1.0	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8	87°	95°	100°	105°
			●	●		10	2.0	1.2	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5	89°	95°	100°	105°
				●		15	2.4	1.9	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20	90°	95°	100°	105°
			●	●		20	2.8	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27	90°	95°	100°	105°
				●		30	3.4	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40	91°	95°	101°	105°
				●		40	3.8	5.0	9.1	12.9	15.8	18.2	20	22	24	29	41	54	92°	95°	100°	105°
				●		50	4.4	6.2	11.4	16.1	19.7	23	25	28	30	36	51	68	93°	95°	99°	103°
				●		60	4.8	7.5	13.7	19.3	24	27	31	33	36	43	61	81	93°	95°	99°	103°
				●		70	5.2	8.7	16.0	23	28	32	36	39	42	50	71	94	93°	95°	99°	103°
					●	100	6.2	12.5	23	32	39	46	51	56	60	72	102	135	93°	95°	99°	102°
		●				150	7.5	18.7	34	48	59	68	76	84	90	108	153	205	93°	95°	99°	102°
80°		●				0050	.46	—	.11	.16	.20	.23	.25	.28	.30	.36	.51	.67	61°	80°	95°	101°
		●				0067	.53	—	.15	.22	.26	.31	.34	.37	.40	.48	.68	.90	67°	80°	94°	99°
		●				01	.66	—	.23	.32	.39	.46	.51	.56	.60	.72	1.0	1.3	68°	80°	89°	92°
	●	●				015	.81	—	.34	.48	.59	.68	.76	.84	.90	1.1	1.5	2.0	68°	80°	89°	92°
	●	●				02	.91	.25	.46	.64	.79	.91	1.0	1.1	1.2	1.4	2.0	2.7	69°	80°	88°	91°
	●	●				03	1.1	.37	.68	.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0	70°	80°	87°	90°
	●	●				04	1.3	.50	.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4	71°	80°	86°	89°

QUICK VeeJet® Spray Nozzles • Standard Spray

Small Capacity

PERFORMANCE DATA

Spray Angle at 3 bar	Quick VeeJet Tip Type					Capacity Size	Equiv. Orifice Dia. (mm)	Capacity (liters per minute)										Spray Angle			
	QSVV	QVVA	QSU	QUA	QLUA			0.3 bar	1 bar	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	10 bar	20 bar	35 bar	1.5 bar	3 bar	6 bar	14 bar
80°		•				05	1.4	.62	1.1	1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7	71°	80°	86°	89°
	•	•				06	1.5	.75	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1	72°	80°	85°	88°
	•	•				08	1.8	1.0	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8	72°	80°	84°	87°
			•	•		10	2.0	1.2	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5	73°	80°	84°	87°
			•	•		15	2.4	1.9	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20	74°	80°	83°	86°
			•	•		20	2.8	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27	74°	80°	83°	86°
				•		30	3.4	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40	74°	80°	83°	86°
				•		40	3.9	5.0	9.1	12.9	15.8	18.2	20	22	24	29	41	54	74°	80°	83°	86°
				•		50	4.4	6.2	11.4	16.1	19.7	23	25	28	30	36	51	68	74°	80°	83°	85°
				•		60	4.8	7.5	13.7	19.3	24	27	31	33	36	43	61	81	75°	80°	83°	85°
				•		70	5.2	8.7	16.0	23	28	32	36	39	42	50	71	94	75°	80°	83°	86°
					•	100	6.2	12.5	23	32	39	46	51	56	60	72	102	135	75°	80°	83°	86°
					•	150	7.5	18.7	34	48	59	68	76	84	90	108	153	205	73°	80°	84°	86°
					•	200	8.7	25	46	64	79	91	102	112	121	144	205	270	74°	80°	82°	85°
73°		•				0023	.30	—	.05	.07	.09	.10	.11	.12	.14	.17	.23	.31	50°	73°	89°	97°
		•				0039	.41	—	.09	.13	.15	.18	.20	.22	.24	.28	.40	.53	53°	73°	87°	93°
		•				0077	.58	—	.18	.25	.30	.35	.39	.43	.46	.55	.78	1.0	53°	73°	86°	92°
		•				0116	.71	.14	.26	.37	.46	.53	.59	.65	.70	.84	1.2	1.6	54°	73°	85°	90°
		•				0154	.81	.19	.35	.50	.61	.70	.78	.86	.93	1.1	1.6	2.1	55°	73°	84°	88°
		•				0231	.96	.29	.53	.74	.91	1.1	1.2	1.3	1.4	1.7	2.4	3.1	56°	73°	83°	87°
		•				0308	1.1	.38	.70	.99	1.2	1.4	1.6	1.7	1.9	2.2	3.1	4.2	58°	73°	82°	86°
		•				0385	1.2	.48	.88	1.2	1.5	1.8	2.0	2.1	2.3	2.8	3.9	5.2	59°	73°	81°	85°
		•				0462	1.4	.58	1.1	1.5	1.8	2.1	2.4	2.6	2.8	3.3	4.7	6.2	60°	73°	80°	84°
		•				0616	1.6	.77	1.4	2.0	2.4	2.8	3.1	3.4	3.7	4.4	6.3	8.3	63°	73°	79°	83°
		•				0770	1.7	.96	1.8	2.5	3.0	3.5	3.9	4.3	4.6	5.5	7.8	10.4	64°	73°	77°	82°
		•				0924	1.9	1.2	2.1	3.0	3.6	4.2	4.7	5.2	5.6	6.7	9.4	12.5	65°	73°	77°	80°
65°		•				0017	.28	—	—	.05	.06	.07	.08	.09	.10	.12	.17	.23	44°	65°	77°	86°
		•				0025	.33	—	—	.08	.10	.11	.13	.14	.15	.18	.25	.34	45°	65°	77°	84°
		•				0033	.38	—	—	.11	.13	.15	.17	.18	.20	.24	.34	.44	47°	65°	76°	83°
		•				0050	.46	—	—	.16	.20	.23	.25	.28	.30	.36	.51	.67	48°	65°	75°	82°
		•				0067	.53	—	.15	.22	.26	.31	.34	.37	.40	.48	.68	.90	50°	65°	75°	81°
		•				01	.66	—	.23	.32	.39	.46	.51	.56	.60	.72	1.0	1.3	51°	65°	74°	80°
		•				015	.81	—	.34	.48	.59	.68	.76	.84	.90	1.1	1.5	2.0	51°	65°	74°	80°
	•	•				02	.91	.25	.46	.64	.79	.91	1.0	1.1	1.2	1.4	2.0	2.7	52°	65°	73°	79°
	•	•				03	1.1	.37	.68	.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0	53°	65°	72°	78°
		•				04	1.3	.50	.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4	53°	65°	72°	76°



QUICK VeeJet® Spray Nozzles • Standard Spray
Small Capacity

PERFORMANCE DATA

Spray Angle at 3 bar	Quick VeeJet Tip Type					Capacity Size	Equiv. Orifice Dia. (mm)	Capacity (liters per minute)											Spray Angle			
	QSVV	QVVA	QSU	QUA	QLUA			0.3 bar	1 bar	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	10 bar	20 bar	35 bar	1.5 bar	3 bar	6 bar	14 bar
65°		●				05	1.4	.62	1.1	1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7	53°	65°	72°	76°
		●				06	1.5	.75	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1	54°	65°	72°	75°
		●				08	1.8	1.0	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8	55°	65°	71°	74°
				●		10	2.0	1.2	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5	56°	65°	71°	74°
				●		15	2.4	1.9	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20	56°	65°	70°	73°
				●		20	2.8	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27	57°	65°	70°	73°
				●		30	3.4	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40	58°	65°	69°	72°
				●		40	3.9	5.0	9.1	12.9	15.8	18.2	20	22	24	29	41	54	59°	65°	68°	72°
				●		50	4.4	6.2	11.4	16.1	19.7	23	25	28	30	36	51	68	60°	65°	68°	71°
				●		60	4.8	7.5	13.7	19.3	24	27	31	33	36	43	61	81	60°	65°	68°	71°
				●		70	5.2	8.7	16.0	23	28	32	36	39	42	50	71	94	60°	65°	68°	71°
					●	100	6.2	12.5	23	32	39	46	51	56	60	72	102	135	58°	65°	69°	70°
					●	150	7.5	18.7	34	48	59	68	76	84	90	108	153	205	59°	65°	68°	70°
					●	200	8.7	25	46	64	79	91	102	112	121	144	205	270	60°	65°	67°	69°
50°		●				0017	.28	—	—	.05	.06	.07	.08	.09	.10	.12	.17	.23	27°	50°	65°	74°
		●				0025	.33	—	—	.08	.10	.11	.13	.14	.15	.18	.25	.34	29°	50°	64°	71°
		●				0033	.38	—	—	.11	.13	.15	.17	.18	.20	.24	.34	.44	30°	50°	62°	68°
		●				0050	.46	—	—	.16	.20	.23	.25	.28	.30	.36	.51	.67	32°	50°	60°	66°
		●				0067	.53	—	—	.22	.26	.31	.34	.37	.40	.48	.68	.90	35°	50°	60°	66°
		●				01	.66	—	.23	.32	.39	.46	.51	.56	.60	.72	1.0	1.3	37°	50°	59°	65°
		●				015	.81	—	.34	.48	.59	.68	.76	.84	.90	1.1	1.5	2.0	38°	50°	58°	64°
		●				02	.91	—	.46	.64	.79	.91	1.0	1.1	1.2	1.4	2.0	2.7	39°	50°	57°	63°
		●				03	1.1	.37	.68	.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0	40°	50°	56°	62°
		●				04	1.3	.50	.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4	42°	50°	56°	61°
		●				05	1.4	.62	1.1	1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7	44°	50°	56°	61°
		●				06	1.5	.75	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1	45°	50°	56°	60°
		●				08	1.8	1.0	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8	45°	50°	55°	60°
				●		10	2.0	1.2	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5	45°	50°	55°	59°
				●		15	2.4	1.9	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20	45°	50°	55°	59°
				●		20	2.8	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27	45°	50°	55°	59°
				●		30	3.4	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40	45°	50°	55°	59°
				●		40	3.9	5.0	9.1	12.9	15.8	18.2	20	22	24	29	41	54	46°	50°	54°	59°
				●		50	4.4	6.2	11.4	16.1	19.7	23	25	28	30	36	51	68	46°	50°	54°	59°
				●		60	4.8	7.5	13.7	19.3	24	27	31	33	36	43	61	81	46°	50°	54°	59°
				●		70	5.2	8.7	16.0	23	28	32	36	39	42	50	71	94	46°	50°	54°	59°

QUICK VeeJet® Spray Nozzles • Standard Spray

Small Capacity

PERFORMANCE DATA

Spray Angle at 3 bar	Quick VeeJet Tip Type					Capacity Size	Equiv. Orifice Dia. (mm)	Capacity (liters per minute)										Spray Angle			
	QSVV	QVVA	QSU	QUA	QLUA			0.3 bar	1 bar	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	10 bar	20 bar	35 bar	1.5 bar	3 bar	6 bar	14 bar
50°					●	100	6.2	12.5	23	32	39	46	51	56	60	72	102	135	44°	50°	52°	54°
					●	120	6.7	15.0	27	39	47	55	61	67	72	86	122	162	44°	50°	53°	55°
					●	150	7.5	18.7	34	48	59	68	76	84	90	108	153	205	45°	50°	52°	55°
					●	200	8.7	25	46	64	79	91	102	112	121	144	205	270	46°	50°	52°	55°
40°		●				0017	.28	—	—	.05	.06	.07	.08	.09	.10	.12	.17	.23	21°	40°	54°	61°
		●				0025	.33	—	—	.08	.10	.11	.13	.14	.15	.18	.25	.34	22°	40°	53°	60°
		●				0033	.38	—	—	.11	.13	.15	.17	.18	.20	.24	.34	.44	22°	40°	53°	60°
		●				0050	.46	—	—	.16	.20	.23	.25	.28	.30	.36	.51	.67	22°	40°	53°	60°
		●				0067	.53	—	—	.22	.26	.31	.34	.37	.40	.48	.68	.90	24°	40°	53°	60°
		●				01	.66	—	—	.32	.39	.46	.51	.56	.60	.72	1.0	1.3	26°	40°	52°	59°
		●				015	.81	—	—	.48	.59	.68	.76	.84	.90	1.1	1.5	2.0	27°	40°	52°	59°
		●				02	.91	—	.46	.64	.79	.91	1.0	1.1	1.2	1.4	2.0	2.7	29°	40°	51°	58°
		●				03	1.1	—	.68	.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0	30°	40°	50°	57°
		●				04	1.3	—	.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4	30°	40°	50°	56°
		●				05	1.4	—	1.1	1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7	31°	40°	49°	55°
		●				06	1.5	—	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1	31°	40°	49°	55°
		●				08	1.8	1.0	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8	31°	40°	47°	53°
				●		10	2.0	1.2	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5	32°	40°	45°	48°
				●		15	2.4	1.9	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20	32°	40°	45°	48°
				●		20	2.8	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27	32°	40°	45°	48°
				●		30	3.4	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40	33°	40°	45°	48°
				●		40	3.9	5.0	9.1	12.9	15.8	18.2	20	22	24	29	41	54	34°	40°	45°	48°
				●		50	4.4	6.2	11.4	16.1	19.7	23	25	28	30	36	51	68	35°	40°	45°	48°
				●		60	4.8	7.5	13.7	19.3	24	27	31	33	36	43	61	81	35°	40°	45°	48°
				●		70	5.2	8.7	16.0	23	28	32	36	39	42	50	71	94	35°	40°	45°	48°
					●	100	6.2	12.5	23	32	39	46	51	56	60	72	102	135	34°	40°	43°	46°
					●	150	7.5	18.7	34	48	59	68	76	84	90	108	153	205	35°	40°	43°	44°
					●	200	8.7	25	46	64	79	91	102	112	121	144	205	270	36°	40°	42°	44°
25°		●				0017	.28	—	—	.05	.06	.07	.08	.09	.10	.12	.17	.23	—	25°	35°	47°
		●				0025	.33	—	—	.08	.10	.11	.13	.14	.15	.18	.25	.34	—	25°	35°	45°
		●				0033	.38	—	—	.11	.13	.15	.17	.18	.20	.24	.34	.44	—	25°	34°	44°
		●				0050	.46	—	—	.16	.20	.23	.25	.28	.30	.36	.51	.67	—	25°	34°	43°
		●				0067	.53	—	—	.22	.26	.31	.34	.37	.40	.48	.68	.90	—	25°	34°	42°
		●				01	.66	—	—	.32	.39	.46	.51	.56	.60	.72	1.0	1.3	14°	25°	34°	42°
		●				015	.81	—	.34	.48	.59	.68	.76	.83	.90	1.1	1.5	2.0	15°	25°	34°	41°



QUICK VeeJet® Spray Nozzles • Standard Spray
Small Capacity

PERFORMANCE DATA

Spray Angle at 3 bar	Quick VeeJet Tip Type					Capacity Size	Equiv. Orifice Dia. (mm)	Capacity (liters per minute)											Spray Angle			
	QSVV	QVVA	QSU	QUA	QLUA			0.3 bar	1 bar	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	10 bar	20 bar	35 bar	1.5 bar	3 bar	6 bar	14 bar
		●				02	.91	—	.46	.64	.79	.91	1.0	1.1	1.2	1.4	2.0	2.7	15°	25°	33°	40°
		●				03	1.1	—	.68	.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0	15°	25°	33°	40°
		●				04	1.3	—	.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4	16°	25°	32°	39°
		●				05	1.4	—	1.1	1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7	16°	25°	32°	39°
		●				06	1.5	—	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1	17°	25°	31°	38°
		●				08	1.8	—	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8	17°	25°	31°	38°
				●		10	2.0	—	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5	18°	25°	31°	37°
				●		15	2.4	—	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20	18°	25°	31°	37°
25°				●		20	2.8	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27	19°	25°	31°	37°
				●		30	3.4	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40	20°	25°	30°	36°
				●		40	3.9	5.0	9.1	12.9	15.8	18.2	20	22	24	29	41	54	21°	25°	29°	35°
				●		50	4.4	6.2	11.4	16.1	19.7	23	25	28	30	36	51	68	21°	25°	29°	35°
				●		60	4.8	7.5	13.7	19.3	24	27	31	33	36	43	61	81	22°	25°	29°	35°
				●		70	5.2	8.7	16.0	23	28	32	36	39	42	50	71	94	22°	25°	29°	35°
					●	100	6.2	12.5	23	32	39	46	51	56	60	72	102	135	23°	25°	28°	32°
					●	150	7.5	18.7	34	48	59	68	76	84	90	108	153	205	24°	25°	28°	30°
					●	200	8.7	25	46	64	79	91	102	112	121	144	205	270	24°	25°	26°	29°
		●				0017	.28	—	—	.05	.06	.07	.08	.09	.10	.12	.17	.23	—	15°	30°	37°
		●				0025	.33	—	—	.08	.10	.11	.13	.14	.15	.18	.25	.34	—	15°	28°	34°
		●				0033	.38	—	—	.11	.13	.15	.17	.18	.20	.24	.34	.44	—	15°	27°	32°
		●				0050	.46	—	—	.16	.20	.23	.25	.28	.30	.36	.51	.67	—	15°	27°	32°
		●				0067	.53	—	—	.22	.26	.31	.34	.37	.40	.48	.68	.90	—	15°	25°	29°
		●				01	.66	—	—	.32	.39	.46	.51	.56	.60	.72	1.0	1.3	—	15°	24°	28°
		●				015	.81	—	—	.48	.59	.68	.76	.84	.90	1.1	1.5	2.0	—	15°	23°	27°
		●				02	.91	—	—	.64	.79	.91	1.0	1.1	1.2	1.4	2.0	2.7	6°	15°	22°	27°
		●				03	1.1	—	—	.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0	6°	15°	22°	27°
15°		●				04	1.3	—	—	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4	7°	15°	21°	26°
		●				05	1.4	—	—	1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7	7°	15°	21°	26°
		●				06	1.5	—	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1	8°	15°	21°	26°
				●		08	1.8	—	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8	9°	15°	20°	25°
				●		10	2.0	—	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5	10°	15°	19°	24°
				●		15	2.4	—	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20	10°	15°	19°	24°
				●		20	2.8	—	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27	10°	15°	19°	23°
				●		30	3.4	—	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40	10°	15°	19°	21°
				●		40	3.9	—	9.1	12.9	15.8	18.2	20	22	24	29	41	54	10°	15°	18°	21°
				●		50	4.4	—	11.4	16.1	19.7	23	25	28	30	36	51	68	11°	15°	18°	21°

QUICK VeeJet® Spray Nozzles • Standard Spray

Small Capacity – Solid Stream



PERFORMANCE DATA

Spray Angle at 3 bar	Quick VeeJet Tip Type					Capacity Size	Equiv. Orifice Dia. (mm)	Capacity (liters per minute)										Spray Angle			
	QSVV	QVVA	QSU	QUA	QLUA			0.3 bar	1 bar	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	10 bar	20 bar	35 bar	1.5 bar	3 bar	6 bar	14 bar
15°				●		60	4.8	—	13.7	19.3	24	27	31	33	36	43	61	81	11°	15°	18°	21°
				●		70	5.2	—	16.0	23	28	32	36	39	42	50	71	94	11°	15°	18°	21°
					●	100	6.2	12.5	23	32	39	46	51	56	60	72	102	135	13°	15°	17°	18°
					●	120	6.8	15.0	27	39	47	55	61	67	72	86	122	162	13°	15°	17°	18°
					●	150	7.5	18.7	34	48	59	68	76	84	90	108	153	205	14°	15°	17°	18°
					●	200	8.7	25	46	64	79	91	102	112	121	144	205	270	14°	15°	17°	18°
00°		●				0009	.20	.01	.02	.03	.035	.04	.045	.05	.06	.07	.09	.12	00° Solid Stream			
		●				0012	.25	.02	.03	.04	.05	.055	.06	.067	.08	.09	.12	.16				
		●				0019	.30	.02	.04	.06	.08	.09	.10	.11	.12	.14	.19	.26				
		●				0021	.34	.03	.05	.07	.08	.10	.11	.12	.13	.15	.21	.28				
		●				0050	.48	.06	.11	.16	.20	.23	.25	.28	.30	.36	.51	.67				
		●				0067	.58	.08	.15	.22	.26	.31	.34	.37	.40	.48	.68	.90				
		●				01	.71	.12	.23	.32	.39	.46	.51	.56	.60	.72	1.0	1.3				
		●				015	.86	.19	.34	.48	.59	.68	.76	.84	.90	1.1	1.5	2.0				
		●				02	.99	.25	.46	.64	.79	.91	1.0	1.1	1.2	1.4	2.0	2.7				
		●		●		03	1.2	.37	.68	.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0				
		●		●		04	1.4	.50	.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4				
		●		●		05	1.5	.62	1.1	1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7				
		●		●		06	1.7	.75	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1				
		●		●		08	2.0	1.0	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8				
				●		10	1.9	1.2	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5				
				●		15	2.3	1.9	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20				
				●		20	3.2	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27				
				●		30	3.3	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40				
				●		40	3.8	5.0	9.1	12.9	15.8	18.2	20	22	24	29	41	54				
				●		50	4.2	6.2	11.4	16.1	19.7	23	25	28	30	36	51	68				
				●		60	4.6	7.5	13.7	19.3	24	27	31	33	36	43	61	81				
				●		70	5.0	8.7	16.0	23	28	32	36	39	42	50	71	94				
				●		80	5.4	10.0	18.2	26	32	36	41	45	48	58	82	108				
					●	100	6.0	12.5	23	32	39	46	51	56	60	72	102	135				
					●	120	6.6	15.0	27	39	47	55	61	67	72	86	122	162				
					●	150	7.3	18.7	34	48	59	68	76	84	90	108	153	205				
					●	200	8.5	25	46	64	79	91	102	112	121	144	205	270				
					●	250	9.5	31	57	81	99	114	127	140	151	180	255	340				



QUICK VeeJet® Spray Nozzles • Standard Spray
Small Capacity

MATERIALS

Material	Material Code	Spray Tip				
		QSVV	QVVA	QSU	QUA	QLUA
Brass	(none)	•	•	•	•	•
303 Stainless Steel	SS	•	•	•	•	•

Other materials available upon request.

BODY TYPES

Nozzle Inlet Conn. NPT or BSPT	Standard Body				
	Conn. F		Conn. M		
	QJA	QJLA	QJJSA	QJJA	QJJLA
1/8	•		•	•	
1/4	•		•	•	
3/8	•	•		•	•
1/2	•	•		•	•

Notes:
QuickJet miniature spray nozzle tips QSVV and QSU are to be used with QJJS nozzle bodies.
Maximum tip capacity for 1/8" inlet connection is--08.
Maximum tip capacity for 1/4" inlet connection is--20.
QuickJet spray nozzle tips QVVA and QUA are to be used with QJA and QJJA nozzle bodies.
Maximum tip capacity for 1/8" inlet connection is--50.
Maximum tip capacity for 1/4", 3/8", and 1/2" inlet connections is--80.
QuickJet spray nozzle tip QLUA is to be used with QJL A and QJJLA nozzle bodies.
Maximum tip capacity for 3/8" and 1/2" inlet connections is--250.

DIMENSIONS & WEIGHTS

	Nozzle Type	Length (mm)	Hex. (mm)	Net Weight (kg)
QSVV, QSU 	QJJS+QSVV	28	14.3	.03
	QJJS+QSU	30	14.3	.03
QVVA 	QJA+QVVA	55	25.4	.07
	QJJA+QVVA	53	25.4	.06
QUA, QLUA 	QJA+QUA	51	25.4	.08
	QJJA+QUA	49	25.4	.06
	QJLA+QLUA	59	28.6	.13
	QJJLA+QLUA	60	28.6	.12

Based on largest/heaviest version of each type.

ORDERING INFO

QUICKJET® STANDARD COMPLETE NOZZLE

NOZZLE BODY				SPRAY TIP			
1/4	QJJA	– SS	+	QVVA	– SS	110	10
Inlet Conn.	Body Type	Material Code		Tip Type	Material Code	Spray Angle	Capacity Size

QUICKJET MINIATURE COMPLETE NOZZLE

NOZZLE BODY				SPRAY TIP			
1/8	QJJS	– SS	+	QSVV	– SS	110	03
Inlet Conn.	Body Type	Material Code		Tip Type	Material Code	Spray Angle	Capacity Size

PROMAX® Miniature QUICK VeeJet® Spray Nozzles
Standard Spray
Small Capacity


Optional KYNAR® body strainer


QPPM nozzle body

Optional KYNAR tip strainer


Optional external o-ring
(CP7717-2/13-VI)


Spray tip

QMVV

ProMax Miniature Quick VeeJet nozzle spray tips


Red
.68 l/min


Gray
.91 l/min


Black
1.4 l/min


Orange
1.8 l/min


Green
2.3 l/min


Yellow
2.7 l/min


Blue
3.6 l/min

Capacities at 4 bar.

DESIGN FEATURES

ProMax Miniature Quick VeeJet flat spray nozzles are a compact size designed for applications requiring a small profile. The nozzles are molded of a chemically coupled, glass-reinforced, engineering grade of polypropylene and offer exceptional durability and chemical resistance.

The nozzle tips can be installed and removed quickly without tools by a simple 1/4 turn.

- Spray tips are color-coded by flow rate for easy identification.
- Internal stop for positive alignment of spray tip.
- Standard internal VITON® O-ring.
- Optional external O-ring is available for additional protection against contaminants.
- Nozzle bodies are available with 1/8" and 1/4" inlet connections.
- Spray tips and bodies are also available in KYNAR. Consult your local sales engineer for more information.

FOR MORE QUICKJET® SYSTEM INFO SECTION A

PERFORMANCE DATA

Nozzle Inlet Conn. NPT or BSPT (M)	Spray Angle at 3 bar							Capacity Size	Spray Tip Color	Capacity (liters per minute)								
	25°	40°	50°	65°	80°	95°	110°			0.3 bar	1 bar	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	12 bar
1/8, 1/4						●	●	015	Red	.19	.34	.48	.59	.68	.76	.84	.90	1.2
	●	●	●	●	●	●	●	02	Gray	.25	.46	.64	.79	.91	1.0	1.1	1.2	1.6
	●	●	●	●	●	●	●	03	Black	.37	.68	.97	1.2	1.4	1.5	1.7	1.8	2.4
	●	●	●	●	●	●	●	04	Orange	.50	.91	1.3	1.6	1.8	2.0	2.2	2.4	3.2
	●	●	●	●	●	●	●	05	Green	.62	1.1	1.6	2.0	2.3	2.5	2.8	3.0	3.9
	●	●	●	●	●	●	●	06	Yellow	.75	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.7
	●	●	●	●	●	●	●	08	Blue	1.0	1.8	2.6	3.2	3.6	4.1	4.5	4.8	6.3

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PROMAX® Miniature QUICK VeeJet® Spray Nozzles
Standard Spray
Small Capacity

COMMON APPLICATIONS

- Carpet cleaning equipment
- Printed circuit board manufacture

ACCESSORIES

- Strainers
- Check Valves

See Section L for more info.

DIMENSIONS & WEIGHTS

QMVV	Nozzle Type	Length (mm)	Hex. (mm)	Net Weight (g)
	QPPM+QMVV	30	15.9	3.7

Based on largest/heaviest version of each type.

ORDERING INFO

PROMAX QUICKJET COMPLETE NOZZLE WITHOUT EXTERNAL O-RING

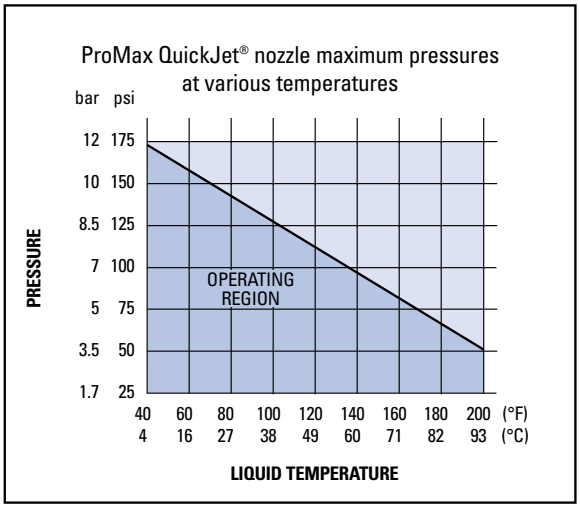
NOZZLE BODY				SPRAY TIP			
1/4	QPPM	+		QMVV	50	02	
Inlet Conn.	Body Type			Tip Type	Spray Angle	Capacity Size	

PROMAX QUICKJET COMPLETE NOZZLE WITH EXTERNAL O-RING

NOZZLE BODY				SPRAY TIP			
1/8	QPPM	+		QMVV	25	02A	
Inlet Conn.	Body Type			Tip Type	Spray Angle	Capacity Size	

PROMAX QUICKJET COMPLETE NOZZLE IN KYNAR

NOZZLE BODY				SPRAY TIP				
1/4	QPPM	– KY	+	QMVV	– KY	50	02	
Inlet Conn.	Body Type	Material Code		Tip Type	Material Code	Spray Angle	Capacity Size	



STRAINER



Optional KYNAR® body strainer

DESIGN FEATURES

Optional KYNAR body strainer is available for 1/8" and 1/4" nozzle bodies (50 mesh). An optional KYNAR tip strainer is also available (50 mesh).

ORDERING INFO

For Nozzle Series	Body Strainer Order No.	Tip Strainer Order No.
1/8 QPPM+QMVV	CP39212-1-KY	CP45095-KY
1/4 QPPM+QMVV	CP39212-2-KY	CP45095-KY

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PROMAX® QUICK VeeJet® Spray Nozzles • Standard Spray

Small Capacity

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Typical assembly for QPTA spray nozzles



QPPA nozzle body



Optional external o-ring (CP7717-2/17-VI)



Spray tip

QPTA

ProMax Quick VeeJet nozzle spray tips



White
3.9 l/min



Gray
5.9 l/min



Black
7.9 l/min



Orange
11.8 l/min



Green
15.8 l/min



Yellow
19.7 l/min



Blue
24 l/min



Red
28 l/min

Capacities at 4 bar.

FOR MORE QUICKJET® SYSTEM INFO SEE SECTION A

COMMON APPLICATIONS

- Parts washing/rinsing
- Chemical manufacturing
- Metal finishing
- Food processing
- Cooling
- Coating
- Printed Circuit Board Manufacturing

DESIGN FEATURES

ProMax Quick VeeJet flat spray nozzles are molded of a chemically coupled, glass-reinforced, engineering grade of polypropylene that combines exceptional durability with chemical resistance.

Each tip produces a uniform and consistent tapered edge flat spray pattern for accurate coverage across the header with overlapping sprays.

- A unique locking design makes tip changing quick and effortless.
- Spray tip is automatically locked into correct alignment when installed.
- The tips are color-coded by flow rate for easy identification.
- Tip installation and removal is done by hand, without tools.
- Standard internal VITON® O-ring provides a positive seal between body and tip.
- Optional external O-ring is available for additional protection against contaminants.

ACCESSORIES

- Strainers
- Check Valves

See Section L for more info.

PROMAX® QUICK VeeJet® Spray Nozzles • Standard Spray

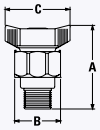
Small Capacity

PERFORMANCE DATA

Nozzle Inlet Conn. NPT or BSPT (M)	Spray Angle at 3 bar						Capacity Size	Spray Tip Color	Capacity (liters per minute)								
	25°	40°	50°	65°	80°	95°			0.3 bar	1 bar	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	14 bar
1/4, 3/8	●*	●	●	●	●	●	10	White	1.2	2.3	3.2	3.9	4.6	5.1	5.6	6.0	8.5
	●*	●	●	●	●	●	15	Gray	1.9	3.4	4.8	5.9	6.8	7.6	8.4	9.0	12.8
	●*	●	●	●	●	●	20	Black	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	17.1
	●	●	●	●	●	●	30	Orange	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	26
	●	●	●	●	●	●	40	Green	5.0	9.1	12.9	15.8	18.2	20	22	24	34
	●**	●**	●**	●**	●**	●**	50	Yellow	6.2	11.4	16.1	19.7	23	25	28	30	43
	●**	●**	●**	●**	●**	●**	60	Blue	7.5	13.7	19.3	24	27	31	33	36	51
	●**	●**	●**	●**	●**	●**	70	Red	8.7	16.0	23	28	32	36	39	42	60

* Not recommended below 0.5 bar.
** For 1/4" and 3/8" bodies only.

DIMENSIONS & WEIGHTS

QPTA	Nozzle Type (Conn.)	Nozzle Inlet Conn. NPT or BSPT	A (mm)	B Hex. (mm)	C (mm)	Net Weight (kg)
	QPPA+ QPTA (M)	1/4, 3/8	45	22.2	32	.007

Based on largest/heaviest version of each type.

ORDERING INFO

PROMAX QUICKJET COMPLETE NOZZLE WITHOUT EXTERNAL O-RING

NOZZLE BODY + SPRAY TIP

1/4 QPPA + QPTA 25 10

1/4	QPPA	QPTA	25	10
Inlet Conn.	Body Type	Tip Type	Spray Angle	Capacity Size

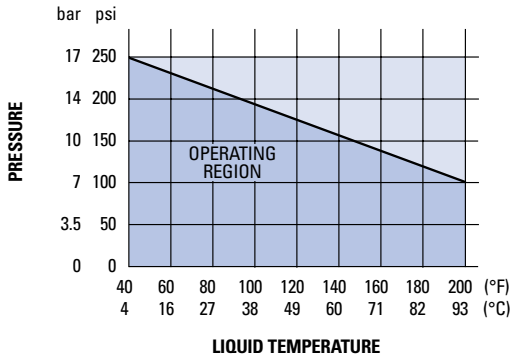
PROMAX QUICKJET COMPLETE NOZZLE WITH EXTERNAL O-RING

NOZZLE BODY + SPRAY TIP

3/8 QPPA + QPTA 65 04A

3/8	QPPA	QPTA	65	04A
Inlet Conn.	Body Type	Tip Type	Spray Angle	Capacity Size

ProMax QuickJet® nozzle maximum pressures at various temperatures



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UniJet® Spray Nozzles • Standard Spray

Small Capacity



T female body or



TT male body



Screen strainer



Spray tip



Tip retainer

TPU



UniJet nozzle spray tip

DESIGN FEATURES

TPU flat spray tips feature a high impact solid stream or flat spray pattern with spray angles of 0° (solid stream) to 110°. They produce a uniform distribution of small- to medium-sized drops. Specially tapered spray pattern edges provide even spray coverage when several nozzles with overlapping patterns are required.

- Spray tip orifices are recessed to protect against damage.
- Tips also feature unobstructed flow passages to minimize clogging.

Mesh Selection Guide	
Orifice Dia.	Recommended Screen Mesh
Up through .018" (.46 mm)	200
.019" (.47 mm) through .031" (.79 mm)	100
.032" (.80 mm) and larger	50

COMMON APPLICATIONS

- Metal cleaning and processing
- Spray coating
- Degreasing and rinsing
- Parts washing
- Spray cooling
- Pressure cleaning
- Sand, coal, and gravel washing

FOR MORE UNIJET SYSTEM INFO SEE SECTION A

PERFORMANCE DATA

Spray Angle at 3 bar	Capacity Size	Equiv. Orifice Dia. (mm)	Capacity (liters per minute)											Spray Angle			
			0.3 bar	1 bar	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	10 bar	20 bar	35 bar	1.5 bar	3 bar	6 bar	14 bar
110°	0033	.38	—	—	.11	.13	.15	.17	.18	.20	.24	.34	.44	91°	110°	116°	121°
	0050	.46	—	—	.16	.20	.23	.25	.28	.30	.36	.51	.67	91°	110°	118°	124°
	0067	.53	—	—	.22	.26	.31	.34	.37	.40	.48	.68	.90	92°	110°	118°	124°
	01	.66	.12	.23	.32	.39	.46	.51	.56	.60	.72	1.0	1.3	94°	110°	121°	124°
	015	.81	.19	.34	.48	.59	.68	.76	.84	.90	1.1	1.5	2.0	97°	110°	121°	124°
	02	.89	.25	.46	.64	.79	.91	1.0	1.1	1.2	1.4	2.0	2.7	98°	110°	120°	123°
	03	1.1	.37	.68	.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0	99°	110°	120°	123°
	04	1.3	.50	.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4	100°	110°	119°	122°
	05	1.4	.62	1.1	1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7	100°	110°	118°	122°
	06	1.6	.75	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1	101°	110°	117°	122°



UniJet® Spray Nozzles • Standard Spray

Small Capacity

PERFORMANCE DATA

Spray Angle at 3 bar	Capacity Size	Equiv. Orifice Dia. (mm)	Capacity (liters per minute)											Spray Angle			
			0.3 bar	1 bar	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	10 bar	20 bar	35 bar	1.5 bar	3 bar	6 bar	14 bar
110°	07	1.7	.87	1.6	2.3	2.8	3.2	3.6	3.9	4.2	5.0	7.1	9.4	102°	110°	117°	121°
	08	1.8	1.0	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8	102°	110°	117°	121°
	10	2.0	1.2	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5	103°	110°	117°	119°
	12	2.2	1.5	2.7	3.9	4.7	5.5	6.1	6.7	7.2	8.6	12.2	16.2	103°	110°	117°	119°
	15	2.5	1.9	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20	104°	110°	117°	118°
	20	2.8	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27	105°	110°	117°	118°
	30	2.9	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40	105°	110°	117°	118°
95°	01	.66	.12	.23	.32	.39	.46	.51	.56	.60	.72	1.0	1.3	81°	95°	105°	113°
	015	.81	.19	.34	.48	.59	.68	.76	.84	.90	1.1	1.5	2.0	82°	95°	105°	113°
	02	.89	.25	.46	.64	.79	.91	1.0	1.1	1.2	1.4	2.0	2.7	82°	95°	105°	113°
	03	1.1	.37	.68	.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0	83°	95°	104°	111°
	04	1.3	.50	.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4	84°	95°	103°	108°
	05	1.4	.62	1.1	1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7	84°	95°	102°	107°
	06	1.5	.75	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1	86°	95°	101°	106°
	07	1.7	.87	1.6	2.3	2.8	3.2	3.6	3.9	4.2	5.0	7.1	9.4	86°	95°	101°	106°
	08	1.8	1.0	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8	87°	95°	100°	105°
	09	1.9	1.1	2.1	2.9	3.6	4.1	4.6	5.0	5.4	6.5	9.2	12.1	89°	95°	100°	105°
	10	2.0	1.2	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5	89°	95°	100°	105°
	11	2.1	1.4	2.5	3.5	4.3	5.0	5.6	6.1	6.6	7.9	11.2	14.8	89°	95°	100°	105°
	12	2.2	1.5	2.7	3.9	4.7	5.5	6.1	6.7	7.2	8.6	12.2	16.2	89°	95°	100°	105°
	13	2.3	1.6	3.0	4.2	5.1	5.9	6.6	7.3	7.8	9.4	13.2	17.5	89°	95°	100°	105°
	14	2.4	1.7	3.2	4.5	5.5	6.4	7.1	7.8	8.4	10.1	14.3	18.9	89°	95°	100°	105°
	15	2.5	1.9	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20	90°	95°	100°	105°
	16	2.5	2.0	3.6	5.2	6.3	7.3	8.2	8.9	9.6	11.5	16.3	21.6	90°	95°	100°	105°
	18	2.7	2.2	4.1	5.8	7.1	8.2	9.2	10.0	10.9	13.0	18.3	24.3	90°	95°	100°	105°
	20	2.8	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27	90°	95°	100°	105°
	30	3.4	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40	91°	95°	101°	105°
	40	3.9	5.0	9.1	12.9	15.8	18.2	20	22	24	29	41	54	92°	95°	100°	105°
	50	4.4	6.2	11.4	16.1	19.7	23	25	28	30	36	51	68	93°	95°	99°	103°
	60	4.8	7.5	13.7	19.3	24	27	31	33	36	43	61	81	93°	95°	99°	103°
	70	5.2	8.7	16.0	23	28	32	36	39	42	50	71	94	93°	95°	99°	103°
80°	0017	.30	.02	.04	.05	.07	.08	.09	.09	.10	.12	.17	.23	59°	80°	95°	101°
	0040	.41	.05	.09	.13	.16	.18	.20	.22	.24	.29	.41	.54	60°	80°	95°	101°
	0050	.46	—	.11	.16	.20	.23	.25	.28	.30	.36	.51	.67	61°	80°	95°	101°
	0067	.53	—	.15	.22	.26	.31	.34	.37	.40	.48	.68	.90	67°	80°	94°	99°

UniJet® Spray Nozzles • Standard Spray

Small Capacity

PERFORMANCE DATA

Spray Angle at 3 bar	Capacity Size	Equiv. Orifice Dia. (mm)	Capacity (liters per minute)											Spray Angle			
			0.3 bar	1 bar	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	10 bar	20 bar	35 bar	1.5 bar	3 bar	6 bar	14 bar
80°	01	.66	—	.23	.32	.39	.46	.51	.56	.60	.72	1.0	1.3	68°	80°	89°	92°
	015	.81	—	.34	.48	.59	.68	.76	.84	.90	1.1	1.5	2.0	68°	80°	89°	92°
	02	.89	.25	.46	.64	.79	.91	1.0	1.1	1.2	1.4	2.0	2.7	69°	80°	88°	91°
	03	1.1	.37	.68	.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0	70°	80°	87°	90°
	04	1.3	.50	.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4	71°	80°	86°	89°
	045	1.4	.56	1.0	1.5	1.8	2.1	2.3	2.5	2.7	3.2	4.6	6.1	71°	80°	86°	89°
	05	1.4	.62	1.1	1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7	71°	80°	86°	89°
	06	1.6	.75	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1	72°	80°	85°	88°
	07	1.7	.87	1.6	2.3	2.8	3.2	3.6	3.9	4.2	5.0	7.1	9.4	72°	80°	85°	88°
	08	1.8	1.0	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8	72°	80°	84°	87°
	09	1.9	1.1	2.1	2.9	3.6	4.1	4.6	5.0	5.4	6.5	9.2	12.1	73°	73°	73°	73°
	10	2.0	1.2	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5	73°	80°	84°	87°
	11	2.1	1.4	2.5	3.5	4.3	5.0	5.6	6.1	6.6	7.9	11.2	14.8	73°	73°	73°	73°
	12	2.2	1.5	2.7	3.9	4.7	5.5	6.1	6.7	7.2	8.6	12.2	16.2	73°	73°	73°	73°
	13	2.3	1.6	3.0	4.2	5.1	5.9	6.6	7.3	7.8	9.4	13.2	17.5	73°	73°	73°	73°
	14	2.4	1.7	3.2	4.5	5.5	6.4	7.1	7.8	8.4	10.1	14.3	18.9	73°	73°	73°	73°
	15	2.5	1.9	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20	74°	80°	83°	86°
	16	2.5	2.0	3.6	5.2	6.3	7.3	8.2	8.9	9.6	11.5	16.3	21.6	74°	80°	83°	86°
	17	2.6	2.1	3.9	5.5	6.7	7.7	8.7	9.5	10.2	12.3	17.3	22.9	74°	80°	83°	86°
	20	2.8	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27	74°	80°	83°	86°
	25	3.1	3.1	5.7	8.1	9.9	11.4	12.7	14.0	15.1	18.0	25.5	33.7	74°	80°	83°	86°
	30	3.4	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40	74°	80°	83°	86°
	40	3.9	5.0	9.1	12.9	15.8	18.2	20	22	24	29	41	54	74°	80°	83°	86°
	50	4.4	6.2	11.4	16.1	19.7	23	25	28	30	36	51	68	74°	80°	83°	85°
	60	4.8	7.5	13.7	19.3	24	27	31	33	36	43	61	81	75°	80°	83°	85°
	70	5.2	8.7	16.0	23	28	32	36	39	42	50	71	94	75°	80°	83°	86°
73°	0023	.30	—	.05	.07	.09	.10	.11	.12	.14	.17	.23	.31	50°	73°	89°	97°
	0039	.41	—	.09	.13	.15	.18	.20	.22	.24	.28	.40	.53	53°	73°	87°	93°
	0077	.58	—	.18	.25	.30	.35	.39	.43	.46	.55	.78	1.0	53°	73°	86°	92°
	0116	.71	.14	.26	.37	.46	.53	.59	.65	.70	.84	1.2	1.6	54°	73°	85°	90°
	0154	.81	.19	.35	.50	.61	.70	.78	.86	.93	1.1	1.6	2.1	55°	73°	84°	88°
	0231	.96	.29	.53	.74	.91	1.1	1.2	1.3	1.4	1.7	2.4	3.1	56°	73°	83°	87°
	0308	1.1	.38	.70	.99	1.2	1.4	1.6	1.7	1.9	2.2	3.1	4.2	58°	73°	82°	86°
	0385	1.2	.48	.88	1.2	1.5	1.8	2.0	2.1	2.3	2.8	3.9	5.2	59°	73°	81°	85°
	0462	1.4	.58	1.1	1.5	1.8	2.1	2.4	2.6	2.8	3.3	4.7	6.2	60°	73°	80°	84°



UniJet® Spray Nozzles • Standard Spray
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PERFORMANCE DATA

Spray Angle at 3 bar	Capacity Size	Equiv. Orifice Dia. (mm)	Capacity (liters per minute)											Spray Angle			
			0.3 bar	1 bar	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	10 bar	20 bar	35 bar	1.5 bar	3 bar	6 bar	14 bar
73°	0616	1.6	.77	1.4	2.0	2.4	2.8	3.1	3.4	3.7	4.4	6.3	8.3	63°	73°	79°	83°
	0770	1.8	.96	1.8	2.5	3.0	3.5	3.9	4.3	4.6	5.5	7.8	10.4	64°	73°	77°	82°
	0924	1.9	1.2	2.1	3.0	3.6	4.2	4.7	5.2	5.6	6.7	9.4	12.5	65°	73°	77°	80°
65°	0017	.28	—	—	.05	.06	.07	.08	.09	.10	.12	.17	.23	44°	65°	77°	86°
	0025	.33	—	—	.08	.10	.11	.13	.14	.15	.18	.25	.34	45°	65°	77°	84°
	0033	.38	—	—	.11	.13	.15	.17	.18	.20	.24	.34	.44	47°	65°	76°	83°
	0050	.46	—	—	.16	.20	.23	.25	.28	.30	.36	.51	.67	48°	65°	75°	82°
	0067	.53	—	.15	.22	.26	.31	.34	.37	.40	.48	.68	.90	50°	65°	75°	81°
	01	.66	—	.23	.32	.39	.46	.51	.56	.60	.72	1.0	1.3	51°	65°	74°	80°
	015	.81	—	.34	.48	.59	.68	.76	.84	.90	1.1	1.5	2.0	51°	65°	74°	80°
	02	.89	—	.46	.64	.79	.91	1.0	1.1	1.2	1.4	2.0	2.7	52°	65°	73°	79°
	025	.99	.31	.57	.81	.99	1.1	1.3	1.4	1.5	1.8	2.5	3.4	80°	65°	73°	79°
	03	1.1	.37	.68	.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0	53°	65°	72°	78°
	035	1.2	.44	.80	1.1	1.4	1.6	1.8	2.0	2.1	2.5	3.6	4.7	83°	65°	72°	78°
	04	1.3	.50	.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4	53°	65°	72°	76°
	05	1.4	.62	1.1	1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7	53°	65°	72°	76°
	055	1.5	.69	1.3	1.8	2.2	2.5	2.8	3.1	3.3	4.0	5.6	7.4	53°	65°	72°	76°
	06	1.6	.75	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1	54°	65°	72°	75°
	07	1.7	.87	1.6	2.3	2.8	3.2	3.6	3.9	4.2	5.0	7.1	9.4	54°	65°	72°	75°
	08	1.8	1.0	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8	55°	65°	71°	74°
	09	1.9	1.1	2.1	2.9	3.6	4.1	4.6	5.0	5.4	6.5	9.2	12.1	55°	65°	71°	74°
	10	2.0	1.2	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5	56°	65°	71°	74°
	11	2.1	1.4	2.5	3.5	4.3	5.0	5.6	6.1	6.6	7.9	11.2	14.8	56°	65°	71°	74°
	12	2.2	1.5	2.7	3.9	4.7	5.5	6.1	6.7	7.2	8.6	12.2	16.2	56°	65°	71°	74°
	13	2.3	1.6	3.0	4.2	5.1	5.9	6.6	7.3	7.8	9.4	13.2	17.5	56°	65°	71°	74°
	14	2.4	1.7	3.2	4.5	5.5	6.4	7.1	7.8	8.4	10.1	14.3	18.9	56°	65°	71°	74°
	15	2.5	1.9	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20	56°	65°	70°	73°
	20	2.8	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27	57°	65°	70°	73°
	30	3.4	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40	58°	65°	69°	72°
	40	3.8	5.0	9.1	12.9	15.8	18.2	20	22	24	29	41	54	59°	65°	68°	72°
	50	4.4	6.2	11.4	16.1	19.7	23	25	28	30	36	51	68	60°	65°	68°	71°
	60	4.8	7.5	13.7	19.3	24	27	31	33	36	43	61	81	60°	65°	68°	71°
	70	5.2	8.7	16.0	23	28	32	36	39	42	50	71	94	60°	65°	68°	71°
50°	0017	.28	—	—	.05	.06	.07	.08	.09	.10	.12	.17	.23	27°	50°	65°	74°
	0025	.33	—	—	.08	.10	.11	.13	.14	.15	.18	.25	.34	29°	50°	64°	71°

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PERFORMANCE DATA

Spray Angle at 3 bar	Capacity Size	Equiv. Orifice Dia. (mm)	Capacity (liters per minute)											Spray Angle			
			0.3 bar	1 bar	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	10 bar	20 bar	35 bar	1.5 bar	3 bar	6 bar	14 bar
50°	0033	.38	—	—	.11	.13	.15	.17	.18	.20	.24	.34	.44	30°	50°	62°	68°
	0050	.46	—	—	.16	.20	.23	.25	.28	.30	.36	.51	.67	32°	50°	60°	66°
	0067	.53	—	—	.22	.26	.31	.34	.37	.40	.48	.68	.90	35°	50°	60°	66°
	01	.66	—	.23	.32	.39	.46	.51	.56	.60	.72	1.0	1.3	37°	50°	59°	65°
	015	.81	—	.34	.48	.59	.68	.76	.84	.90	1.1	1.5	2.0	38°	50°	58°	64°
	02	.89	—	.46	.64	.79	.91	1.0	1.1	1.2	1.4	2.0	2.7	39°	50°	57°	63°
	025	.99	.31	.57	.81	.99	1.1	1.3	1.4	1.5	1.8	2.5	3.4	40°	50°	57°	63°
	03	1.1	.37	.68	.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0	40°	50°	56°	62°
	035	1.2	.44	.80	1.1	1.4	1.6	1.8	2.0	2.1	2.5	3.6	4.7	40°	50°	56°	61°
	04	1.3	.50	.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4	42°	50°	56°	61°
	05	1.4	.62	1.1	1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7	44°	50°	56°	61°
	06	1.5	.75	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1	45°	50°	56°	60°
	07	1.7	.87	1.6	2.3	2.8	3.2	3.6	3.9	4.2	5.0	7.1	9.4	45°	50°	56°	60°
	075	1.7	.94	1.7	2.4	3.0	3.4	3.8	4.2	4.5	5.4	7.6	10.1	45°	50°	55°	60°
	08	1.8	1.0	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8	45°	50°	55°	60°
	09	1.9	1.1	2.1	2.9	3.6	4.1	4.6	5.0	5.4	6.5	9.2	12.1	45°	50°	55°	59°
	10	2.0	1.2	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5	45°	50°	55°	59°
	13	2.3	1.6	3.0	4.2	5.1	5.9	6.6	7.3	7.8	9.4	13.2	17.5	45°	50°	55°	59°
	15	2.5	1.9	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20	45°	50°	55°	59°
	20	2.8	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27	45°	50°	55°	59°
	30	3.4	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40	45°	50°	55°	59°
	40	3.8	5.0	9.1	12.9	15.8	18.2	20	22	24	29	41	54	46°	50°	54°	59°
	50	4.4	6.2	11.4	16.1	19.7	23	25	28	30	36	51	68	46°	50°	54°	59°
	60	4.8	7.5	13.7	19.3	24	27	31	33	36	43	61	81	46°	50°	54°	59°
	70	5.2	8.7	16.0	23	28	32	36	39	42	50	71	94	46°	50°	54°	59°
40°	0017	.28	—	—	.05	.06	.07	.08	.09	.10	.12	.17	.23	21°	40°	54°	61°
	0025	.33	—	—	.08	.10	.11	.13	.14	.15	.18	.25	.34	22°	40°	53°	60°
	0033	.38	—	—	.11	.13	.15	.17	.18	.20	.24	.34	.44	22°	40°	53°	60°
	0050	.46	—	—	.16	.20	.23	.25	.28	.30	.36	.51	.67	22°	40°	53°	60°
	0067	.53	—	—	.22	.26	.31	.34	.37	.40	.48	.68	.90	24°	40°	53°	60°
	01	.66	—	—	.32	.39	.46	.51	.56	.60	.72	1.0	1.3	26°	40°	52°	59°
	015	.81	—	—	.48	.59	.68	.76	.84	.90	1.1	1.5	2.0	27°	40°	52°	59°
	02	.89	—	.46	.64	.79	.91	1.0	1.1	1.2	1.4	2.0	2.7	29°	40°	51°	58°
	025	.99	.31	.57	.81	.99	1.1	1.3	1.4	1.5	1.8	2.5	3.4	29°	40°	51°	58°
	03	1.1	—	.68	.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0	30°	40°	50°	57°



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Small Capacity

PERFORMANCE DATA

Spray Angle at 3 bar	Capacity Size	Equiv. Orifice Dia. (mm)	Capacity (liters per minute)											Spray Angle			
			0.3 bar	1 bar	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	10 bar	20 bar	35 bar	1.5 bar	3 bar	6 bar	14 bar
40°	04	1.3	—	.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4	30°	40°	50°	56°
	05	1.4	—	1.1	1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7	31°	40°	49°	55°
	055	1.5	.69	1.3	1.8	2.2	2.5	2.8	3.1	3.3	4.0	5.6	7.4	31°	40°	49°	55°
	06	1.6	—	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1	31°	40°	49°	55°
	07	1.7	.87	1.6	2.3	2.8	3.2	3.6	3.9	4.2	5.0	7.1	9.4	31°	40°	49°	55°
	08	1.8	1.0	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8	31°	40°	47°	53°
	09	1.9	1.1	2.1	2.9	3.6	4.1	4.6	5.0	5.4	6.5	9.2	12.1	32°	40°	45°	48°
	10	2.0	1.2	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5	32°	40°	45°	48°
	11	2.1	1.4	2.5	3.5	4.3	5.0	5.6	6.1	6.6	7.9	11.2	14.8	32°	40°	45°	48°
	12	2.2	1.5	2.7	3.9	4.7	5.5	6.1	6.7	7.2	8.6	12.2	16.2	32°	40°	45°	48°
	13	2.3	1.6	3.0	4.2	5.1	5.9	6.6	7.3	7.8	9.4	13.2	17.5	32°	40°	45°	48°
	15	2.5	1.9	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20	32°	40°	45°	48°
	20	2.8	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27	32°	40°	45°	48°
	25	3.1	3.1	5.7	8.1	9.9	11.4	12.7	14.0	15.1	18.0	25.5	33.7	32°	40°	45°	48°
	30	3.4	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40	33°	40°	45°	48°
	40	3.9	5.0	9.1	12.9	15.8	18.2	20	22	24	29	41	54	34°	40°	45°	48°
	50	4.4	6.2	11.4	16.1	19.7	23	25	28	30	36	51	68	35°	40°	45°	48°
	60	4.8	7.5	13.7	19.3	24	27	31	33	36	43	61	81	35°	40°	45°	48°
	70	5.2	8.7	16.0	23	28	32	36	39	42	50	71	94	35°	40°	45°	48°
25°	0017	.28	—	—	.05	.06	.07	.08	.09	.10	.12	.17	.23	—	25°	35°	47°
	0025	.33	—	—	.08	.10	.11	.13	.14	.15	.18	.25	.34	—	25°	35°	45°
	0033	.38	—	—	.11	.13	.15	.17	.18	.20	.24	.34	.44	—	25°	34°	44°
	0050	.46	—	—	.16	.20	.23	.25	.28	.30	.36	.51	.67	—	25°	34°	43°
	0067	.53	—	—	.22	.26	.31	.34	.37	.40	.48	.68	.90	—	25°	34°	42°
	01	.66	—	—	.32	.39	.46	.51	.56	.60	.72	1.0	1.3	14°	25°	34°	42°
	015	.81	—	.34	.48	.59	.68	.76	.83	.90	1.1	1.5	2.0	15°	25°	34°	41°
	02	.89	—	.46	.64	.79	.91	1.0	1.1	1.2	1.4	2.0	2.7	15°	25°	33°	40°
	03	1.1	—	.68	.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0	15°	25°	33°	40°
	04	1.3	—	.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4	16°	25°	32°	39°
	05	1.4	—	1.1	1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7	16°	25°	32°	39°
	055	1.5	.69	1.3	1.8	2.2	2.5	2.8	3.1	3.3	4.0	5.6	7.4	16°	25°	32°	39°
	06	1.6	—	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1	17°	25°	31°	38°
	07	1.7	.87	1.6	2.3	2.8	3.2	3.6	3.9	4.2	5.0	7.1	9.4	17°	25°	31°	38°
	08	1.8	—	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8	17°	25°	31°	38°
	09	1.9	1.1	2.1	2.9	3.6	4.1	4.6	5.0	5.4	6.5	9.2	12.1	17°	25°	31°	38°

UniJet® Spray Nozzles • Standard Spray

Small Capacity

PERFORMANCE DATA

Spray Angle at 3 bar	Capacity Size	Equiv. Orifice Dia. (mm)	Capacity (liters per minute)											Spray Angle			
			0.3 bar	1 bar	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	10 bar	20 bar	35 bar	1.5 bar	3 bar	6 bar	14 bar
25°	10	2.0	—	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5	18°	25°	31°	37°
	13	2.3	1.6	3.0	4.2	5.1	5.9	6.6	7.3	7.8	9.4	13.2	17.5	18°	25°	31°	37°
	15	2.5	—	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20	18°	25°	31°	37°
	20	2.8	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27	19°	25°	31°	37°
	30	3.4	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40	20°	25°	30°	36°
	40	3.9	5.0	9.1	12.9	15.8	18.2	20	22	24	29	41	54	21°	25°	29°	35°
	50	4.4	6.2	11.4	16.1	19.7	23	25	28	30	36	51	67	21°	25°	29°	35°
	60	4.8	7.5	13.7	19.3	24	27	31	33	36	43	61	81	22°	25°	29°	35°
	70	5.2	8.7	16.0	23	28	32	36	39	42	50	71	94	22°	25°	29°	35°
15°	0017	.28	—	—	.05	.06	.07	.08	.09	.10	.12	.17	.23	—	15°	30°	37°
	0025	.33	—	—	.08	.10	.11	.13	.14	.15	.18	.25	.34	—	15°	28°	34°
	0033	.38	—	—	.11	.13	.15	.17	.18	.20	.24	.34	.44	—	15°	27°	32°
	0050	.46	—	—	.16	.20	.23	.25	.28	.30	.36	.51	.67	—	15°	26°	30°
	0067	.53	—	—	.22	.26	.31	.34	.37	.40	.48	.68	.90	—	15°	25°	29°
	01	.66	—	—	.32	.39	.46	.51	.56	.60	.72	1.0	1.3	—	15°	24°	28°
	015	.81	—	—	.48	.59	.68	.76	.84	.90	1.1	1.5	2.0	—	15°	23°	27°
	02	.89	—	—	.64	.79	.91	1.0	1.1	1.2	1.4	2.0	2.7	6°	15°	22°	27°
	03	1.1	—	—	.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0	6°	15°	22°	27°
	04	1.3	—	—	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4	7°	15°	21°	26°
	05	1.4	—	—	1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7	7°	15°	21°	26°
	055	1.5	.69	1.3	1.8	2.2	2.5	2.8	3.1	3.3	4.0	5.6	7.4	7°	15°	21°	26°
	06	1.6	—	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1	8°	15°	21°	26°
	07	1.7	.87	1.6	2.3	2.8	3.2	3.6	3.9	4.2	5.0	7.1	9.4	8°	15°	21°	26°
	08	1.8	—	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8	9°	15°	20°	25°
	09	1.9	1.1	2.1	2.9	3.6	4.1	4.6	5.0	5.4	6.5	9.2	12.1	9°	15°	20°	25°
	10	2.0	—	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5	10°	15°	19°	24°
	11	2.1	1.4	2.5	3.5	4.3	5.0	5.6	6.1	6.6	7.9	11.2	14.8	10°	15°	19°	24°
	12	2.2	1.5	2.7	3.9	4.7	5.5	6.1	6.7	7.2	8.6	12.2	16.2	10°	15°	19°	24°
	15	2.5	—	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20	10°	15°	19°	24°
	20	2.8	—	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27	10°	15°	19°	23°
	30	3.4	—	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40	10°	15°	19°	21°
	40	3.9	—	9.1	12.9	15.8	18.2	20	22	24	29	41	54	10°	15°	18°	21°
	50	4.4	—	11.4	16.1	19.7	23	25	28	30	36	51	68	11°	15°	18°	21°
	60	4.8	—	13.7	19.3	24	27	31	33	36	43	61	81	11°	15°	18°	21°
	70	5.2	—	16.0	23	28	32	36	39	42	50	71	94	11°	15°	18°	21°

UniJet® Spray Nozzles • Standard Spray

Small Capacity – Solid Stream

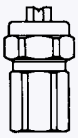
PERFORMANCE DATA

Spray Angle at 3 bar	Capacity Size	Equiv. Orifice Dia. (mm)	Capacity (liters per minute)											Spray Angle			
			0.3 bar	1 bar	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	10 bar	20 bar	35 bar	1.5 bar	3 bar	6 bar	14 bar
00°	0009	.20	.01	.02	.03	.035	.04	.045	.05	.06	.07	.09	.12	00° Solid Stream			
	0012	.25	.02	.03	.04	.05	.055	.06	.067	.08	.09	.12	.16				
	0019	.30	.02	.04	.06	.08	.09	.10	.11	.12	.14	.19	.26				
	0021	.33	.03	.05	.07	.08	.10	.11	.12	.13	.15	.21	.28				
	0033	.41	.04	.08	.11	.13	.15	.17	.18	.20	.24	.34	.44				
	0050	.48	.06	.11	.16	.20	.23	.25	.28	.30	.36	.51	.67				
	0067	.58	.08	.15	.22	.26	.31	.34	.37	.40	.48	.68	.90				
	01	.71	.12	.23	.32	.39	.46	.51	.56	.60	.72	1.0	1.3				
	015	.86	.19	.34	.48	.59	.68	.76	.84	.90	1.1	1.5	2.0				
	02	.99	.25	.46	.64	.79	.91	1.0	1.1	1.2	1.4	2.0	2.7				
	03	1.2	.37	.68	.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0				
	04	1.4	.50	.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4				
	045	1.5	.56	1.0	1.5	1.8	2.1	2.3	2.5	2.7	3.2	4.6	6.1				
	05	1.6	.62	1.1	1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7				
	055	1.7	.69	1.3	1.8	2.2	2.5	2.8	3.1	3.3	4.0	5.6	7.4				
	06	1.7	.75	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1				
	065	1.8	.81	1.5	2.1	2.6	3.0	3.3	3.6	3.9	4.7	6.6	8.8				
	07	1.9	.87	1.6	2.3	2.8	3.2	3.6	3.9	4.2	5.0	7.1	9.4				
	08	2.0	1.0	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8				
	09	2.1	1.1	2.1	2.9	3.6	4.1	4.6	5.0	5.4	6.5	9.2	12.1				
	10	2.2	1.2	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5				
	11	2.3	1.4	2.5	3.5	4.3	5.0	5.6	6.1	6.6	7.9	11.2	14.8				
	12	2.4	1.5	2.7	3.9	4.7	5.5	6.1	6.7	7.2	8.6	12.2	16.2				
	15	2.7	1.9	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20				
	20	3.1	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27				
	30	3.6	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40				
	40	4.1	5.0	9.1	12.9	15.8	18.2	20	22	24	29	41	54				

UniJet® Spray Nozzles • Standard Spray
Small Capacity



DIMENSIONS & WEIGHTS

TPU	Nozzle Type	Length (mm)	Hex. (mm)	Net Weight (kg)
	T+TPU	48	20.6	.06
	TT+TPU	48	20.6	.06

Based on largest/heaviest version of each type.

ORDERING INFO

UNIJET COMPLETE NOZZLE

NOZZLE BODY **SPRAY TIP**

1/4 TT – SS + U110 10 – SS

Inlet Conn. | Body Type | Material Code | Spray Angle | Capacity Size | Material Code

TIP ONLY

TPU – 110 10 – SS

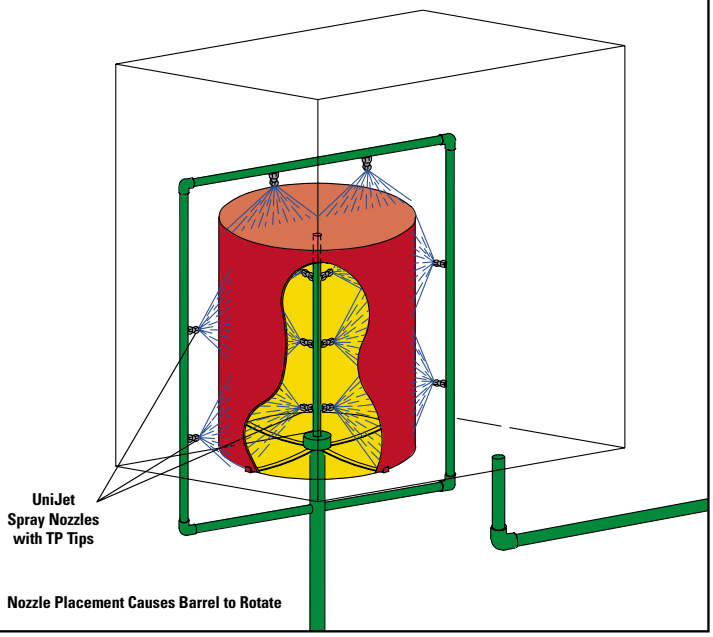
Tip Type | Spray Angle | Capacity Size | Material Code

MATERIALS

Material	Material Code	Spray Tip TPU
Brass	(none)	•
303 Stainless Steel	SS	•

Other materials available upon request.

UniJet Spray Nozzles with TPU Tips Used in Barrel Cleaning Operation



UniJet® Spray Nozzles • Standard Spray
Small Capacity


T female body or


TT male body


Spray tip


Tip retainer

BLOW-OFF


UniJet
flat spray
blow-off assembly

DESIGN FEATURES

UniJet blow-off nozzle assemblies offer all the useful advantages of the UniJet system, such as interchangeable nozzle tips and components.

UniJet blow-off nozzle assemblies are compatible with standard UniJet nozzle bodies and are specially designed for use with air and steam.

ORDERING INFO

UNIJET COMPLETE NOZZLE

NOZZLE BODY				SPRAY TIP		
1/4	TT	–	SS	+ L	–	SS
Inlet Conn.	Body Type		Material Code	Tip Type		Material Code

TIP ONLY

TB	L	–	SS
Tip Prefix	Tip Type		Material Code

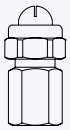
FOR MORE UNIJET SYSTEM INFO SEE SECTION A

PERFORMANCE DATA

Tip Type	Width of Slot (mm)	Capacity – for Air (Nl/min)				Capacity – for Steam (kilograms per hour)				Coverage at 150 mm Distance from Nozzle	
		0.7 bar	2 bar	4 bar	6 bar	1 bar	2 bar	4 bar	7 bar	1 bar	4 bar
L	.20	17.0	41	68	93	.75	1.4	2.3	3.7	275 mm	419 mm
P	.33	34	63	101	140	1.5	2.1	3.6	5.5	152 mm	254 mm
Q	58	62	123	201	278	2.8	4.0	6.8	11.5	228 mm	330 mm
R	1.1	110	207	357	493	4.7	7.1	12.3	19.5	158 mm	241 mm
U	1.1	178	354	595	807	7.6	12.0	20.3	32	275 mm	368 mm
V	2.3	354	724	1184	1591	15.3	25	42	63	238 mm	343 mm

DIMENSIONS & WEIGHTS

BLOW-OFF



Nozzle Type	Length (mm)	Hex. (mm)	Net Weight (kg)
T+Tip	46	21	.06
TT+Tip	46	21	.06

Based on largest/heaviest version of each type.

MATERIALS

Material	Material Code	Spray Tip					
		L	P	Q	R	U	V
Brass	(none)	●	●	●	●	●	●
303 Stainless Steel	SS	●	●	●	●	●	●

Other materials available upon request.

Spraying Systems Co.®
Phone 1-800-95-SPRAY, Fax 1-888-95-SPRAY
Outside the U.S., Phone 1(630) 665-5000, Fax 1(630) 260-0842
Visit our Web Site: www.spray.com, email: info@spray.com

FloodJet® Spray Nozzles • Wide Angle Spray

Small Capacity



K



1/8"-1/2" NPT or BSPT (M)

DESIGN FEATURES

FloodJet spray nozzles feature a wide angle flat spray pattern with medium impact. They produce uniform spray distributions of medium-sized drops.

A round orifice and large, unobstructed flow passages minimize clogging problems.

FloodJet nozzles are also suitable for use with air and steam. All FloodJet nozzles offer a precision-machined deflector surface which provides dependable, accurate control of deflection and spray angle.

COMMON APPLICATIONS

- Spray agitation
- Spraying eliminator plates
- Cooling conveyor belts
- Foam knockdown
- Film washing
- Water curtain
- Fire protection

PERFORMANCE DATA

LIQUID

Nozzle Inlet Conn. NPT or BSPT (M)				Capacity Size	Equiv. Orifice Dia. (mm)	Capacity (liters per minute)									Spray Angle		
1/8	1/4	3/8	1/2			0.2 bar	0.3 bar	0.5 bar	0.7 bar	1 bar	1.5 bar	2 bar	3 bar	4 bar	0.5 bar	1.5 bar	4 bar
●				.25	.43	—	—	—	—	.11	.14	.16	.20	.23	—	83°	117°
●				.50	.58	—	—	—	—	.23	.28	.32	.39	.46	—	89°	122°
●				.75	.74	—	—	—	.29	.34	.42	.48	.59	.68	—	106°	125°
●				1	.84	—	—	—	.38	.46	.56	.64	.79	.91	—	109°	128°
●				1.5	1.0	—	—	.48	.57	.68	.84	.97	1.2	1.4	73°	108°	125°
●	●			2	1.2	—	—	.64	.76	.91	1.1	1.3	1.6	1.8	83°	113°	129°
●	●			2.5	1.3	—	.62	.81	.95	1.1	1.4	1.6	2.0	2.3	98°	122°	133°
●	●			3	1.4	—	.75	.97	1.1	1.4	1.7	1.9	2.4	2.7	86°	112°	126°
●				4	1.7	—	1.0	1.3	1.5	1.8	2.2	2.6	3.2	3.6	97°	123°	132°
●	●			5	1.9	1.0	1.2	1.6	1.9	2.3	2.8	3.2	3.9	4.6	114°	128°	142°
●	●			7.5	2.3	1.5	1.9	2.4	2.9	3.4	4.2	4.8	5.9	6.8	101°	119°	134°
●	●			10	2.7	2.0	2.5	3.2	3.8	4.6	5.6	6.4	7.9	9.1	115°	133°	145°
●	●			12	2.9	2.4	3.0	3.9	4.6	5.5	6.7	7.7	9.5	10.9	128°	139°	153°
●	●			15	3.3	3.1	3.7	4.8	5.7	6.8	8.4	9.7	11.8	13.7	98°	113°	123°
●	●			18	3.6	3.7	4.5	5.8	6.9	8.2	10.0	11.6	14.2	16.4	106°	120°	131°
●	●			20	3.8	4.1	5.0	6.4	7.6	9.1	11.2	12.9	15.8	18.2	110°	122°	133°



FloodJet® Spray Nozzles • Wide Angle Spray
Small Capacity

PERFORMANCE DATA

LIQUID

Nozzle Inlet Conn. NPT or BSPT (M)				Capacity Size	Equiv. Orifice Dia. (mm)	Capacity (liters per minute)									Spray Angle		
1/8	1/4	3/8	1/2			0.2 bar	0.3 bar	0.5 bar	0.7 bar	1 bar	1.5 bar	2 bar	3 bar	4 bar	0.5 bar	1.5 bar	4 bar
	●			22	3.9	4.5	5.5	7.1	8.4	10.0	12.3	14.2	17.4	20	113°	125°	136°
	●			24	4.1	4.9	6.0	7.7	9.2	10.9	13.4	15.5	18.9	22	115°	131°	144°
	●			27	4.4	5.5	6.7	8.7	10.3	12.3	15.1	17.4	21	25	119°	135°	148°
		●		30	4.6	6.1	7.5	9.7	11.4	13.7	16.7	19.3	24	27	100°	110°	121°
		●		35	5.0	7.1	8.7	11.3	13.3	16.0	19.5	23	28	32	105°	118°	128°
		●	●	40	5.3	8.2	10.0	12.9	15.3	18.2	22	26	32	36	111°	126°	136°
		●		45	5.6	9.2	11.2	14.5	17.2	21	25	29	36	41	115°	130°	140°
			●	50	5.9	10.2	12.5	16.1	19.1	23	28	32	39	46	117°	131°	140°
			●	60	6.5	12.2	15.0	19.3	23	27	33	39	47	55	120°	134°	142°
			●	70	7.0	14.3	17.5	23	27	32	39	45	55	64	123°	137°	146°
			●	80	7.5	16.3	20	26	31	36	45	52	63	73	127°	138°	149°

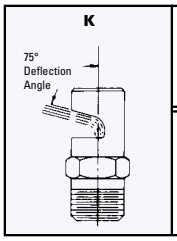
AIR & STEAM

Nozzle Inlet Conn. NPT or BSPT (M)	Capacity Size	Equiv. Orifice Dia. (mm)	Capacity – for Air (Nl/min)			Capacity – for Steam (kilograms per hour)				Coverage at 150 mm Distance from Nozzle	
			0.7 bar	2 bar	4 bar	0.7 bar	1.5 bar	3 bar	3.5 bar	0.7 bar	3.5 bar
	.50	.58	4.5	8.1	12.0	.16	.23	.37	.41	51 mm	127 mm
	.75	.74	6.2	11.5	17.3	.23	.33	.53	.60	64 mm	140 mm
	1	.84	9.6	17.4	26	.34	.49	.80	.90	76 mm	152 mm
	1.5	1.0	15.3	28	41	.54	.78	1.3	1.5	89 mm	165 mm
	2	1.2	19.3	35	53	.68	1.0	1.6	1.8	102 mm	190 mm
	2.5	1.3	27	48	74	.95	1.3	2.1	2.5	102 mm	190 mm
1/8, 1/4,	3	1.4	31	58	89	1.1	1.7	2.7	3.0	127 mm	203 mm
3/8	4	1.7	40	71	113	1.4	2.0	3.1	3.9	127 mm	228 mm
	5	1.9	54	96	144	1.9	2.7	4.5	5.0	152 mm	267 mm
	7.5	2.3	79	146	220	2.9	4.2	6.8	7.6	152 mm	267 mm
	10	2.7	110	200	300	3.9	5.7	9.2	10.4	178 mm	279 mm
	15	3.3	181	330	493	6.5	9.3	15.0	17.1	178 mm	305 mm
	20	3.8	225	409	615	8.0	11.6	18.8	21	216 mm	368 mm
	30	4.6	320	586	881	11.6	16.8	27	30	216 mm	394 mm

FloodJet® Spray Nozzles • Wide Angle Spray

Small Capacity

DIMENSIONS & WEIGHTS



Nozzle Type (Conn.)	Nozzle Inlet Conn. NPT or BSPT	Length (mm)	Hex. (mm)	Net Weight (kg)
K (M)	1/8	25.4	11.1	.015
	1/4	30.9	14.3	.03
	3/8	44.5	17.5	.06
	1/2	51	22.2	.11

Based on largest/heaviest version of each type.

MATERIALS

Material	Material Code	Nozzle Type K
Brass	(none)	●
303 Stainless Steel	SS	●
316 Stainless Steel	316SS	●
Polyvinyl Chloride	PVC	●

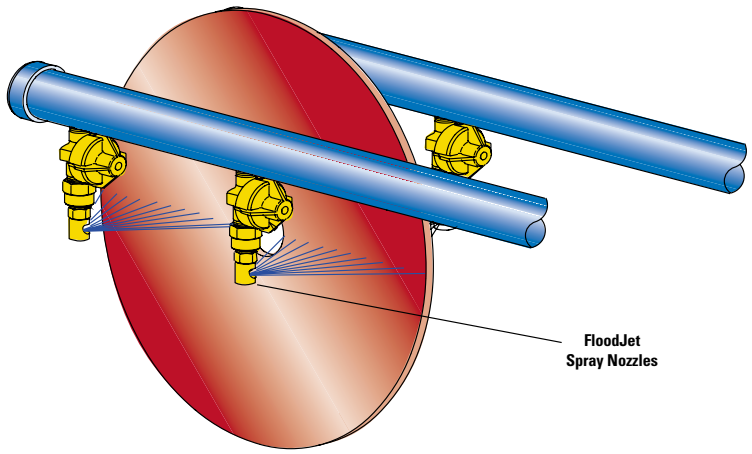
Other materials available upon request.

ORDERING INFO

STANDARD SPRAY NOZZLE

1/8	K	–	SS	.50
Inlet Conn.	Nozzle Type		Material Code	Capacity Size

FloodJet Nozzles Used to Spray Digital Discs



QUICK *FloodJet*® Spray Nozzles • Wide Angle Spray

Small Capacity

IMPROVED TECHNOLOGY
ENSURES TROUBLE-FREE PERFORMANCE AND FAST MAINTENANCE

Typical spray nozzle assembly for QTKA spray tip



QJA female body or



QJJA male body



Strainer



Spray tip

Typical spray nozzle assembly for QSTK spray tip



QJJS male body



Seal



Spray tip

QTKA



Quick FloodJet spray tip

QSTK



Quick FloodJet miniature spray tip

DESIGN FEATURES

Model QTKA Quick FloodJet spray tips are available in a wide range of sizes and feature a wide angle flat spray pattern with medium impact. The nozzles produce a uniform spray distribution of medium-sized drops.

The **Model QSTK** Series Mini-Quick FloodJet spray nozzle tips feature a very small tip size designed for applications where space is limited. A female 303 Stainless Steel or brass strainer (model 12686) provides an effective means of straining out particles that are too large to pass through the nozzle orifice.

FOR MORE QUICKJET® SYSTEM INFO SEE SECTION A

PERFORMANCE DATA

LIQUID

Nozzle Inlet Conn. NPT or BSPT	Quick FloodJet Tip Type		Capacity Size	Orifice Dia. Nom. (mm)	Capacity (liters per minute)									Spray Angle		
	QTKA	QSTK			0.2 bar	0.3 bar	0.5 bar	0.7 bar	1 bar	1.5 bar	2 bar	3 bar	4 bar	0.5 bar	1.5 bar	6 bar
1/8, 1/4, 3/8, 1/2		●	.25	.43	—	—	—	—	.11	.14	.16	.20	.23	—	83°	117°
	●	●	.50	.58	—	—	—	—	.23	.28	.32	.39	.46	—	89°	122°
	●	●	.75	.74	—	—	—	.29	.34	.42	.48	.59	.68	—	106°	125°
	●	●	1	.84	—	—	—	.38	.46	.56	.64	.79	.91	—	109°	128°
	●	●	1.5	1.0	—	—	.48	.57	.68	.84	.97	1.2	1.4	73°	108°	125°
	●	●	2	1.2	—	—	.64	.76	.91	1.1	1.3	1.6	1.8	83°	113°	129°
	●	●	2.5	1.3	—	.62	.81	.95	1.1	1.4	1.6	2.0	2.3	98°	122°	133°
	●	●	3	1.4	—	.75	.97	1.1	1.4	1.7	1.9	2.4	2.7	86°	112°	126°
	●	●	4	1.7	—	1.0	1.3	1.5	1.8	2.2	2.6	3.2	3.6	97°	123°	132°
	●	●	5	1.9	1.0	1.2	1.6	1.9	2.3	2.8	3.2	3.9	4.6	114°	128°	142°

QUICK *FloodJet*® Spray Nozzles • Wide Angle Spray

Small Capacity

PERFORMANCE DATA

LIQUID

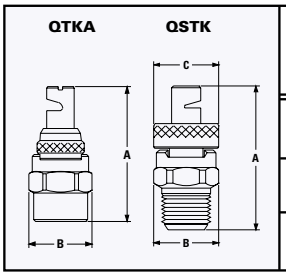
Nozzle Inlet Conn. NPT or BSPT	Quick FloodJet Tip Type		Capacity Size	Orifice Dia. Nom. (mm)	Capacity (liters per minute)									Spray Angle		
	QTKA	QSTKA			0.2 bar	0.3 bar	0.5 bar	0.7 bar	1 bar	1.5 bar	2 bar	3 bar	4 bar	0.5 bar	1.5 bar	6 bar
1/8, 1/4, 3/8, 1/2	●		7.5	2.3	1.5	1.9	2.4	2.9	3.4	4.2	4.8	5.9	6.8	101°	119°	134°
	●		10	2.7	2.0	2.5	3.2	3.8	4.6	5.6	6.4	7.9	9.1	115°	133°	145°
	●		12	2.9	2.4	3.0	3.9	4.6	5.5	6.7	7.7	9.5	10.9	128°	139°	153°
	●		15	3.3	3.1	3.7	4.8	5.7	6.8	8.4	9.7	11.8	13.7	98°	113°	123°
	●		18	3.6	3.7	4.5	5.8	6.9	8.2	10.0	11.6	14.2	16.4	106°	120°	131°
	●		20	3.8	4.1	5.0	6.4	7.6	9.1	11.2	12.9	15.8	18.2	110°	122°	133°
3/8, 1/2	●		30	4.6	6.1	7.5	9.7	11.4	13.7	16.7	19.3	24	27	100°	110°	121°
	●		40	5.3	8.2	10.0	12.9	15.3	18.2	22	26	32	36	111°	126°	136°
	●		45	5.6	9.2	11.2	14.5	17.2	21	25	29	36	41	115°	130°	140°
	●		60	6.5	12.2	15.0	19.3	23	27	33	39	47	55	120°	134°	142°

AIR & STEAM FOR QTKA

Nozzle Inlet Conn. NPT or BSPT	Capacity Size	Orifice Dia. Nom. (mm)	Capacity – for Air (liters per minute)				Capacity – for Steam (kilograms per hour)				Coverage at 150 mm Distance from Nozzle	
			0.7 bar	1.5 bar	3 bar	3.5 bar	0.7 bar	1.5 bar	3 bar	3.5 bar	0.7 bar	3.5 bar
1/8, 1/4, 3/8	.50	.58	4.5	6.4	10.5	11.6	.16	.23	.37	.41	51 mm	127 mm
	.75	.74	6.2	9.1	14.7	16.7	.23	.33	.53	.60	64 mm	140 mm
	1	.84	9.6	13.7	22	25	.34	.49	.80	.90	76 mm	152 mm
	1.5	1.0	15.3	22	36	40	.54	.78	1.3	1.5	89 mm	165 mm
	2	1.2	19.3	28	45	51	.68	1.0	1.6	1.8	102 mm	190 mm
	2.5	1.3	27	37	60	71	.95	1.3	2.1	2.5	102 mm	190 mm
	3	1.5	31	47	77	85	1.1	1.7	2.7	3.0	127 mm	203 mm
	4	1.7	40	57	85	108	1.4	2.0	3.1	3.9	127 mm	228 mm
	5	1.9	54	76	124	139	1.9	2.7	4.5	5.0	152 mm	267 mm
	7.5	2.3	79	117	189	210	2.9	4.2	6.8	7.6	152 mm	267 mm
	10	2.7	110	159	255	290	3.9	5.7	9.2	10.4	178 mm	279 mm
	15	3.3	181	260	420	475	6.5	9.3	15.0	17.1	178 mm	305 mm
	20	3.8	225	325	520	590	8.0	11.6	18.8	21	216 mm	368 mm
3/8, 1/2	30	4.6	320	465	760	850	11.6	16.8	27	30	216 mm	394 mm

QUICK *FloodJet*® Spray Nozzles • Wide Angle Spray
Small Capacity

DIMENSIONS & WEIGHTS



Nozzle Type (Conn.)	A (mm)	B Hex. (mm)	C (mm)	Net Weight (kg)
QJA+QTKA (F)	64	25	—	.14
QJJA+QTKA (M)	62	22	—	.13
QJJS+QTSK (M)	37	14.3	15.1	.04

Based on largest/heaviest version of each type.

BODY TYPES

Nozzle Inlet Conn. NPT or BSPT	Standard Body		
	Conn. F	Conn. M	
	QJA	QJJS	QJJA
1/8	●	●	●
1/4	●	●	●
3/8	●		●
1/2	●		●

MATERIALS

Material	Material Code	Spray Tip	
		QTKA	QSTK
Brass	(none)	●	●
303 Stainless Steel	SS	●	●

Other materials available upon request.

ORDERING INFO

QUICKJET® COMPLETE NOZZLE

NOZZLE BODY			+ SPRAY TIP		
3/8	QJA	– SS	+ QTKA	– SS	1.5
Inlet Conn.	Body Type	Material Code	Tip Type	Material Code	Capacity Size

STRAINER



Tip strainer

DESIGN FEATURES

No. 12686 – Tip Strainers are available with either brass or 303 stainless steel bodies and come with 304 stainless steel screens. These strainers will fit in any QTKA spray tip. They provide an effective means of straining out particles that are too large to pass through the nozzle orifice.

Mesh Selection Guide	
Orifice Dia.	Recommended Screen Mesh
Up through .018" (.46 mm)	200
.019" (.47 mm) through .031" (.79 mm)	100
.032" (.80 mm) and larger	50

ORDERING INFO

COMPLETE STRAINER

12686	– SS	– 100
Strainer No.	Material Code	Mesh Size

Material Code:
None – Brass
SS – 303 Stainless Steel

UniJet® Spray Nozzles • *FloodJet*® Tip
Wide Angle Spray
Small Capacity


T female body or


TT male body


Screen strainer


Spray tip


Tip retainer

FOR MORE UNIJET SYSTEM INFO SEE SECTION A

TK


FloodJet
flat spray nozzle
spray tip

Mesh Selection Guide	
Orifice Dia.	Recommended Screen Mesh
Up through .018" (.46 mm)	200
.019" (.47 mm) through .031" (.79 mm)	100
.032" (.80 mm) and larger	50

DESIGN FEATURES

TK FloodJet spray tips feature a wide angle flat spray pattern with medium impact. They produce uniform spray distribution of medium-sized drops. A round orifice and large, unobstructed flow passages minimize clogging problems. Precision-machined deflector provides accurate control of spray angle.

COMMON APPLICATIONS

- Spraying eliminator plates
- Cooling conveyor belts
- Film washing
- Water curtain
- Spray cooling
- Fire protection

ORDERING INFO

UNIJET COMPLETE NOZZLE

NOZZLE BODY			SPRAY TIP		
1/4	TT –	SS +	TK –	SS	.50
Inlet Conn.	Body Type	Material Code	Tip Type	Material Code	Capacity Size

PERFORMANCE DATA

LIQUID

Nozzle Inlet Conn. NPT or BSPT	Capacity Size	Equiv. Orifice Dia. (mm)	Capacity (liters per minute)									Spray Angle		
			0.2 bar	0.3 bar	0.5 bar	0.7 bar	1 bar	1.5 bar	2 bar	3 bar	4 bar	0.5 bar	1.5 bar	4 bar
1/4	.50	.58	—	—	—	—	.23	.28	.32	.39	.46	—	89°	122°
	.75	.74	—	—	—	.29	.34	.42	.48	.59	.68	—	106°	125°
	1	.84	—	—	—	.38	.46	.56	.64	.79	.91	—	109°	128°
	1.5	1.0	—	—	.48	.57	.68	.84	.97	1.2	1.4	73°	108°	125°
	2	1.2	—	—	.64	.76	.91	1.1	1.3	1.6	1.8	83°	113°	129°
	2.5	1.3	—	.62	.81	.95	1.1	1.4	1.6	2.0	2.3	98°	122°	133°
	3	1.4	—	.75	.97	1.1	1.4	1.7	1.9	2.4	2.7	86°	112°	126°
	4	1.7	—	1.0	1.3	1.5	1.8	2.2	2.6	3.2	3.6	97°	123°	132°
	5	1.9	1.0	1.2	1.6	1.9	2.3	2.8	3.2	3.9	4.6	114°	128°	142°
	7.5	2.3	1.5	1.9	2.4	2.9	3.4	4.2	4.8	5.9	6.8	101°	119°	134°
	10	2.7	2.0	2.5	3.2	3.8	4.6	5.6	6.4	7.9	9.1	115°	133°	145°
	12	2.9	2.4	3.0	3.9	4.6	5.5	6.7	7.7	9.5	10.9	128°	139°	153°
	15	3.3	3.1	3.7	4.8	5.7	6.8	8.4	9.7	11.8	13.7	98°	113°	123°
	18	3.6	3.7	4.5	5.8	6.9	8.2	10.0	11.6	14.2	16.4	106°	120°	131°



UniJet® Spray Nozzles • *FloodJet*® Tip
Wide Angle Spray
Small Capacity

PERFORMANCE DATA

LIQUID

Nozzle Inlet Conn. NPT or BSPT	Capacity Size	Orifice Dia. Nom. (mm)	Capacity (liters per minute)									Spray Angle		
			0.2 bar	0.3 bar	0.5 bar	0.7 bar	1 bar	1.5 bar	2 bar	3 bar	4 bar	0.5 bar	1.5 bar	4 bar
1/4	20	3.8	4.1	5.0	6.4	7.6	9.1	11.2	12.9	15.8	18.2	110°	122°	133°
	24	4.1	4.9	6.0	7.7	9.2	10.9	13.4	15.5	18.9	22	115°	131°	144°
	30	4.6	6.1	7.5	9.7	11.4	13.7	16.7	19.3	24	27	100°	110°	121°
	40	5.3	8.2	10.0	12.9	15.3	18.2	22	26	32	36	111°	126°	136°
	50	5.9	10.2	12.5	16.1	19.1	23	28	32	39	46	117°	131°	140°

AIR & STEAM

Nozzle Inlet Conn. NPT or BSPT	Capacity Size	Equiv. Orifice Dia. (mm)	Capacity – for Air (liters per minute)				Capacity – for Steam (kilograms per hour)				Coverage at 150 mm Distance from Nozzle	
			0.7 bar	1.5 bar	3 bar	3.5 bar	0.7 bar	1.5 bar	3 bar	3.5 bar	0.7 bar	3.5 bar
1/4	.50	.58	4.5	6.4	10.5	11.6	.16	.23	.37	.41	51 mm	127 mm
	.75	.74	6.2	9.1	14.7	16.7	.23	.33	.53	.60	64 mm	140 mm
	1	.84	9.6	13.7	22	25	.34	.49	.80	.90	76 mm	152 mm
	1.5	1.0	15.3	22	36	40	.54	.78	1.3	1.5	89 mm	165 mm
	2	1.2	19.3	28	45	51	.68	1.0	1.6	1.8	102 mm	190 mm
	2.5	1.3	27	37	60	71	.95	1.3	2.1	2.5	102 mm	190 mm
	3	1.4	31	47	77	85	1.1	1.7	2.7	3.0	127 mm	203 mm
	4	1.7	40	57	85	108	1.4	2.0	3.1	3.9	127 mm	228 mm
	5	1.9	54	76	124	139	1.9	2.7	4.5	5.0	152 mm	267 mm
	7.5	2.3	79	117	189	210	2.9	4.2	6.8	7.6	152 mm	267 mm
	10	2.7	110	159	255	290	3.9	5.7	9.2	10.4	178 mm	279 mm
	15	3.2	181	260	420	475	6.5	9.3	15.0	17.1	178 mm	305 mm
	20	3.8	225	325	520	590	8.0	11.6	18.8	21	216 mm	368 mm
	30	4.6	320	465	760	850	11.6	16.8	27	30	216 mm	394 mm

DIMENSIONS & WEIGHTS

TK	Nozzle Type (Conn.)	Length (mm)	Hex. (mm)	Net Weight (kg)
	T+TK	51	20.6	.07
	TT+TK	51	20.6	.06

Based on largest/heaviest version of each type.

MATERIALS

Material	Material Code	Spray Tip
		TK
Brass	(none)	●
303 Stainless Steel	SS	●

Other materials available upon request.

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FloodJet® Spray Nozzles • Tapered Edge Wide Angle Spray

Small Capacity

TEK



1/8"-1/4" NPT or BSPT (M)

Patent No. 5,275,340

DESIGN FEATURES

TEK FloodJet spray nozzles are the industry's first tapered edge flooding type nozzles designed to eliminate the heavy edges and uneven spray distribution associated with standard flooding type nozzles.

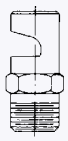
Unique design combines the typical tapered edge performance of a conventional flat spray with the wide spray pattern of a flooding nozzle. Patented turbulence chamber prior to the deflection surface helps create the tapered edge wide angle spray pattern.

Mounts on spray manifold or header with overlapping spray patterns for uniform spray distribution across the sprayed area. A large diameter orifice minimizes clogging and maintains an excellent pattern, even as nominal nozzle wear occurs.

COMMON APPLICATIONS

- Spraying eliminator plates
- Cooling conveyor belts
- Film washing
- Water curtain
- Fire protection
- Paper machine felt lubrication

DIMENSIONS & WEIGHTS

TEK	Nozzle Inlet Conn. NPT or BSPT (M)	Length (mm)	Hex. (mm)	Net Weight (kg)
	1/8	29	11.1	.02
	1/4	38	14.3	.04

Based on largest/heaviest version of each type.

PERFORMANCE DATA

Nozzle Inlet Conn. NPT or BSPT (M)	Capacity Size	Equiv. Orifice Dia. (mm)	Capacity (liters per minute)									Spray Angle		
			0.2 bar	0.3 bar	0.5 bar	0.7 bar	1 bar	1.5 bar	2 bar	3 bar	4 bar	0.5 bar	1.5 bar	4 bar
1/8, 1/4	2	1.2	—	—	.64	.76	.91	1.1	1.3	1.6	1.8	85°	125°	134°
	3	1.5	—	.75	.97	1.1	1.4	1.7	1.9	2.4	2.7	85°	125°	136°
	5	1.9	1.0	1.2	1.6	1.9	2.3	2.8	3.2	3.9	4.6	85°	127°	147°
	10	2.7	2.0	2.5	3.2	3.8	4.6	5.6	6.4	7.9	9.1	85°	130°	150°
1/4	15	3.3	3.1	3.7	4.8	5.7	6.8	8.4	9.7	11.8	13.7	90°	130°	138°
	20	3.8	4.1	5.0	6.4	7.6	9.1	11.2	12.9	15.8	18.2	107°	130°	138°

MATERIALS

Material	Material Code	Nozzle Type TEK
Brass	(none)	•
303 Stainless Steel	SS	•

Other materials available upon request.

ORDERING INFO

STANDARD SPRAY NOZZLE

1/8	TEK	–	SS	2
Inlet Conn.	Nozzle Type		Material Code	Capacity Size

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FlatJet® Spray Nozzles • Narrow Angle Spray

Small Capacity





1/8"-3/4" NPT or BSPT (M)

DESIGN FEATURES

FlatJet spray nozzles feature a very high impact flat spray pattern with narrow spray angles. They produce a uniform spray distribution of medium-sized drops. The FlatJet spray pattern has sharply defined edges.

- One-piece design.
- Large, unobstructed flow passage minimizes clogging.
- Deflector plane produces a uniform, high impact spray pattern.

ACCESSORIES

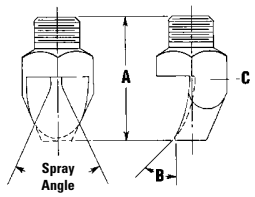
- Split-eyelet Connector
- Pressure Gauges
- Adjustable Ball Fittings
- Pressure Relief Valves
- Strainers
- Control Valves
- Check Valves
- Swivel Connectors

See Section L for more info.

COMMON APPLICATIONS

- Washing crushed stone and gravel
- High impact washing
- Degreasing
- Fruit and vegetable washing
- Paper machine “deckle” spray

DIMENSIONS



PERFORMANCE DATA

Spray Angle at 3 bar	Nozzle Inlet Conn. NPT or BSPT (M) 1/8	1/4	3/8	1/2	3/4	Capacity Size	Equiv. Orifice Dia. (mm)	Capacity (liters per minute) 1 bar	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	10 bar	Spray Angle 1 bar	3 bar	7 bar	Dimensions A Length (mm)	B Deflection Angle	C Bar Size (mm sq.)	Net Weight (kg)
50°		●				05	1.3	1.2	1.6	2.0	2.3	2.6	2.8	3.1	3.7	33°	50°	60°	31	60°	15.9	.03
		●				10	1.9	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	34°	50°	60°	31	60°	15.9	.03
		●	●			25	3.0	5.7	8.1	9.9	11.4	12.7	14.0	15.1	18.0	42°	50°	59°	41.5	42°	19.1	.09
		●	●			40	3.8	9.1	12.9	15.8	18.2	20	22	24	29	39°	50°	60°	47	45°	19.1	.09
			●			60	4.6	13.7	19.3	24	27	31	33	36	43	42°	50°	53°	55	37°	25.4	.14
			●			100	5.9	23	32	39	46	51	56	60	72	43°	50°	55°	72	40°	31.8	.33
			●			125	6.6	28	40	49	57	64	70	75	90	38°	50°	59°	72	38°	31.8	.31
			●			160	7.5	36	52	63	73	82	89	96	115	44°	50°	55°	72	37°	31.8	.31
			●			200	8.4	46	64	79	91	102	112	121	144	46°	50°	53°	72	32°	31.8	.31
40°			●			40	3.8	9.1	12.9	15.8	18.2	20	22	24	29	31°	40°	50°	60.5	35°	22.2	.14
			●			50	4.2	11.4	16.1	19.7	23	25	28	30	36	31°	40°	49°	63.5	33°	25.4	.20
			●			60	4.6	13.7	19.3	24	27	31	33	36	43	32°	40°	49°	72	33°	25.4	.23
			●			70	5.0	16.0	23	28	32	36	39	42	50	32°	40°	49°	75.5	29°	25.4	.26
			●			80	5.3	18.2	26	32	36	41	45	48	58	32°	40°	48°	77	26°	25.4	.26
			●			90	5.6	21	29	36	41	46	50	54	65	34°	40°	44°	77	28°	25.4	.23
			●			100	5.9	23	32	39	46	51	56	60	72	35°	40°	44°	86.5	28°	25.4	.26

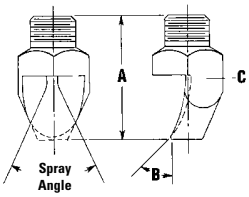
FlatJet® Spray Nozzles • Narrow Angle Spray

Small Capacity

PERFORMANCE DATA

Spray Angle at 3 bar	Nozzle Inlet Conn. NPT or BSPT (M) 1/8	1/4	3/8	1/2	3/4	Capacity Size	Equiv. Orifice Dia. (mm)	Capacity (liters per minute) 1 bar	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	10 bar	Spray Angle 1 bar	3 bar	7 bar	Dimensions A Length (mm)	B Deflection Angle	C Bar Size (mm sq.)	Net Weight (kg)
35°	●					04	1.2	0.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	20°	35°	41°	23	40°	11.1	.01
		●				10	1.9	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	18°	35°	39°	36.5	36°	15.9	.06
		●	●			20	2.7	4.6	6.4	7.9	9.1	10.2	11.2	12.1	14.4	24°	35°	40°	42	30°	19.1	.06
			●			25	3.0	5.7	8.1	9.9	11.4	12.7	14.0	15.1	18.0	24°	35°	39°	49	28°	19.1	.09
			●			30	3.3	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	26°	35°	41°	52.5	28°	19.1	.09
			●			40	3.8	9.1	12.9	15.8	18.2	20	22	24	29	28°	35°	38°	58	26°	22.2	.11
			●			50	4.2	11.4	16.1	19.7	23	25	28	30	36	31°	35°	38°	63.5	23°	22.2	.14
				●		60	4.6	13.7	19.3	24	27	31	33	36	43	29°	35°	39°	73	27°	25.4	.23
				●		80	5.3	18.2	26	32	36	41	45	48	58	26°	35°	40°	81	24°	25.4	.26
				●		100	5.9	23	32	39	46	51	56	60	72	26°	35°	40°	89	19°	25.4	.26
					●	160	7.5	36	52	63	73	82	89	96	115	26°	35°	40°	114	23°	31.8	.57
					●	200	8.4	46	64	79	91	102	112	121	144	25°	35°	40°	122	22°	31.8	.57
25°		●				40	3.8	9.1	12.9	15.8	18.2	20	22	24	29	15°	25°	34°	65	25°	19.1	.11
15°		●				10	1.9	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	—	15°	23°	47.5	22°	15.9	.06
		●				20	2.7	4.6	6.4	7.9	9.1	10.2	11.2	12.1	14.4	—	15°	19°	54	19°	15.9	.06
			●			30	3.3	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	6°	15°	24°	72	25°	19.1	.11
			●			40	3.8	9.1	12.9	15.8	18.2	20	22	24	29	8°	15°	21°	92	18°	22.2	.23
			●			50	4.2	11.4	16.1	19.7	23	25	28	30	36	9°	15°	20°	90.5	15°	22.2	.17
				●		60	4.6	13.7	19.3	24	27	31	33	36	43	10°	15°	19°	125	14°	25.4	.34
				●		80	5.3	18.2	26	32	36	41	45	48	58	11°	15°	18°	130	14°	25.4	.34
				●		100	5.9	23	32	39	46	51	56	60	72	11°	15°	18°	137	14°	25.4	.40
					●	200	8.4	46	64	79	91	102	112	121	144	12°	15°	18°	191	14°	31.8	.91

DIMENSIONS



ORDERING INFO

STANDARD SPRAY NOZZLE

3/8 P – SS 50 60

Inlet Conn.	Nozzle Type	Material Code	Spray Angle	Capacity Size

MATERIALS

Material	Material Code	Nozzle Type P
Brass	(none)	●
Mild Steel	I	●
303 Stainless Steel	SS	●
316 Stainless Steel	316SS	●

Other materials available upon request.

QUICK *FlatJet*® Spray Nozzles • Narrow Angle Spray

Small Capacity

IMPROVED TECHNOLOGY
ENSURES TROUBLE-FREE PERFORMANCE AND FAST MAINTENANCE



QJLA female body or



QJJLA male body



Spray tip

QLPA



Quick FlatJet nozzle spray tip

FOR MORE QUICKJET® SYSTEM INFO SEE SECTION A

DESIGN FEATURES

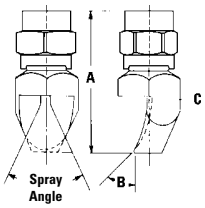
The QLPA Quick FlatJet spray nozzle tips offer a one-piece design with the convenience of a quick-connect 1/4 turn installation and automatic spray alignment without the use of tools.

- Large, unobstructed flow passages minimize clogging.
- Nozzle tips provide high impact flat spray pattern with narrow spray angles.
- Produces a uniform spray distribution of medium-sized drops.

COMMON APPLICATIONS

- Crushed stone and gravel washing
- High impact washing
- Degreasing
- Fruit and vegetable washing
- Paper machine "deckle" spraying

DIMENSIONS



PERFORMANCE DATA

Spray Angle at 3 bar	Nozzle Inlet Conn. NPT or BSPT	Capacity Size	Equiv. Orifice Dia. (mm)	Capacity (liters per minute)								Spray Angle			Dimensions			
				1 bar	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	10 bar	1 bar	3 bar	7 bar	A Length (mm)	B Deflection Angle	C Bar Size (mm sq.)	Net Weight (kg)
50°	3/8, 1/2	60	4.6	13.7	19.3	24	27	31	33	36	43	42°	50°	53°	81	37°	25.4	.23
		125	6.6	28	40	49	57	64	70	75	90	38°	50°	59°	98	38°	32	.24
35°	3/8, 1/2	60	4.6	13.7	19.3	24	27	31	33	36	43	29°	35°	39°	98	27°	25.4	.23
		80	5.3	18.2	26	32	36	41	45	48	58	26°	35°	40°	106	24°	32	.24

BODY TYPES

Nozzle Inlet Conn. NPT or BSPT	Standard Body	
	Conn. F	Conn. M
	QJLA	QJJLA
3/8	•	•
1/2	•	•

MATERIALS

Material	Material Code	Spray Tip
		QLPA
Brass	(none)	•
303 Stainless Steel	SS	•

Other materials available upon request.

ORDERING INFO

QUICKJET COMPLETE NOZZLE

NOZZLE BODY			SPRAY TIP			
3/8	QJJLA	– SS	+ QLPA	– SS	50	60
Inlet Conn.	Body Type	Material Code	Tip Type	Material Code	Spray Angle	Capacity Size

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WashJet® Spray Nozzles • High Impact Spray

Small Capacity



MEG



1/8"-1/4" NPT or BSPT (M)

WEG



1/8"-1/4" NPT or BSPT (F)

MEG-SSTC



Tungsten carbide orifice insert
1/4" NPT or BSPT (M)

23990



Adjustable WashJet nozzle
spray angles 0°- 80°
1/8"-1/4" NPT or BSPT (F)

48099



Adjustable WashJet nozzle
spray angles 0°- 80°
1/8"-1/4" NPT or BSPT (F)

24055



Adjustable high/low
WashJet nozzle
spray angles 0°- 80°
1/8"-1/4" NPT or BSPT (F)

IMEG



Threaded WashJet nozzle
1/8"-1/4" NPT or BSPT (M)

DESIGN FEATURES

Model MEG/WEG WashJet high pressure spray nozzles operate at pressures from 300 to 4000 psi (20 to 275 bar) and feature a high impact solid stream (0°) or flat spray pattern with spray angles of 5° to 65°.

WashJet nozzles produce a uniform spray distribution of medium-sized drops.

An internal guide vane stabilizes liquid turbulence to provide maximum spray integrity and impact.

Milled flats are parallel to the plane of the spray pattern to provide a quick visual reference for spray alignment.

Specially hardened stainless steel construction provides longer wear life and flow control accuracy.

Model MEG-SSTC WashJet spray nozzles provide the same performance features as standard MEG nozzles with tungsten carbide orifice inserts for maximum erosion resistance.

Model 23990 and **48099** Adjustable WashJet nozzles provide spray angles from solid stream to an 80° flat spray pattern to 3000 psi (200 bar). The Model 23990 nozzle features a hardened stainless steel orifice for wear resistance and long life. The outer covering is made of nylon for additional protection. The 48099 features a solid brass or stainless steel cap.

Model 24055 Adjustable high/low WashJet nozzle provides two pressure settings and adjustable spray angles from solid stream to an 80° flat spray pattern. Pressure is adjusted by a sliding valve. Spray angles are changed by rotating the outer cover.

Model IMEG nozzle utilizes a through hardening process to impart a hardened shield on the entire stainless steel nozzle body, providing superior chemical and corrosion resistance. Patent-pending internal design optimizes fluid dynamics to minimize turbulence and maximize spray pattern performance.

WashJet® Spray Nozzles • High Impact Spray

Small Capacity

COMMON APPLICATIONS

- Washing off labels
- Rinsing equipment
- Pressure washing
- Vehicle washing
- Parts cleaning
- Surface preparation

ACCESSORIES

- Hand Guns
- High Pressure Automatic Guns
- Extensions
- Swivel Connectors

See Section L for more info.

ORDERING INFO

STANDARD SPRAY NOZZLE

1/4 MEG – 15 04

Inlet Conn.	Nozzle Type	Spray Angle	Capacity Size

PERFORMANCE DATA

MEG, MEG-SSTC

Nozzle Type and Spray Angle																					Capacity Size	Capacity (liters per minute)										
1/8 MEG							1/4 MEG							1/4 MEG-SSTC																		
*00°	5°	15°	25°	40°	50°	65°	*00°	5°	15°	25°	40°	50°	65°	*00°	5°	15°	25°	40°	50°	65°		20 bar	25 bar	30 bar	35 bar	40 bar	50 bar	60 bar	70 bar	100 bar	150 bar	200 bar
									•					•		•			•		01	1.0	1.2	1.3	1.4	1.5	1.6	1.8	1.9	2.3	2.8	3.2
									•												015	1.5	1.7	1.9	2.0	2.2	2.4	2.6	2.9	3.4	4.2	4.8
•	•	•	•	•			•	•	•	•	•		•	•		•		•	•		02	2.0	2.3	2.5	2.7	2.9	3.2	3.5	3.8	4.6	5.6	6.4
													•								025	2.6	2.9	3.1	3.4	3.6	4.1	4.4	4.8	5.7	7.0	8.1
•		•	•	•	•		•	•	•	•	•	•	•	•		•			•	•	03	3.1	3.4	3.7	4.0	4.3	4.8	5.3	5.7	6.8	8.4	9.7
							•		•	•	•										035	3.6	4.0	4.4	4.7	5.1	5.7	6.2	6.7	8.0	9.8	11.5
•		•	•	•	•	•	•	•	•	•	•	•	•	•		•	•		•	•	04	4.1	4.6	5.0	5.4	5.8	6.4	7.1	7.6	9.1	11.2	12.9
•		•	•	•		•	•		•	•	•		•			•	•				045	4.6	5.1	5.6	6.1	6.5	7.3	7.9	8.6	10.3	12.6	14.5
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•		05	5.1	5.7	6.2	6.7	7.2	8.1	8.8	9.5	11.4	14.0	16.1
•		•	•	•	•	•	•	•	•	•	•	•	•	•		•	•				055	5.6	6.3	6.9	7.4	7.9	8.9	9.7	10.5	12.5	15.4	17.7
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•			06	6.1	6.8	7.5	8.1	8.6	9.7	10.6	11.4	13.7	16.7	19.3
•		•	•	•			•		•	•	•		•								065	6.6	7.4	8.1	8.8	9.4	10.5	11.5	12.4	14.8	18.1	21
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•		07	7.1	8.0	8.7	9.4	10.1	11.3	12.4	13.3	16.0	19.5	23
•		•	•	•			•		•	•	•										075	7.6	8.5	9.4	10.1	10.8	12.1	13.2	14.3	17.1	21	24
•		•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•		•	08	8.2	9.1	10.0	10.8	11.5	12.9	14.1	15.3	18.2	22	26
•		•	•	•			•		•	•	•										085	8.7	9.7	10.6	11.5	12.3	13.7	15.0	16.2	19.4	24	27
•		•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•		•	09	9.2	10.3	11.2	12.1	13.0	14.5	15.9	17.2	21	25	29
		•	•				•			•											095	9.7	10.8	11.9	12.8	13.7	15.3	16.8	18.1	22	27	31
•		•	•	•	•	•	•		•	•	•	•	•	•		•	•				10	10.2	11.4	12.5	13.5	14.4	16.1	17.7	19.1	23	28	32
•			•				•		•	•	•										11	11.2	12.5	13.7	14.8	15.9	17.7	19.4	21	25	31	35
•		•	•																		115	11.7	13.1	14.4	15.5	16.6	18.5	20	22	26	32	37
•				•			•	•	•	•	•	•	•			•					12	12.2	13.7	15.0	16.2	17.3	19.3	21	23	27	33	39
•							•		•	•	•										125	12.7	14.2	15.6	16.9	18.0	20	22	24	28	35	40
•							•		•	•	•										13	13.3	14.8	16.2	17.5	18.7	21	23	25	30	36	42
	•								•	•											14	14.3	16.0	17.5	18.9	20	23	25	27	32	39	45
•		•	•				•	•	•	•	•	•	•	•		•		•		•	15	15.3	17.1	18.7	20	22	24	26	29	34	42	48

* 00° = Solid Stream.

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WashJet® Spray Nozzles • High Impact Spray

Small Capacity



PERFORMANCE DATA

MEG, MEG-SSTC

Nozzle Type and Spray Angle																			Capacity Size	Capacity (liters per minute)										
1/8 MEG							1/4 MEG						1/4 MEG-SSTC																	
*00°	5°	15°	25°	40°	50°	65°	*00°	5°	15°	25°	40°	50°	65°	*00°	5°	15°	25°	40°	50°	65°		20 bar	25 bar	30 bar	35 bar	40 bar	50 bar	60 bar	70 bar	100 bar	150 bar	200 bar
		●					●		●												16	16.3	18.2	20	22	23	26	28	31	36	45	52
							●		●	●	●			●							18	18.3	21	22	24	26	29	32	34	41	50	58
●							●	●	●	●	●	●	●	●							20	20	23	25	27	29	32	35	38	46	56	64
							●	●	●	●	●										25	25	28	31	34	36	40	44	48	57	70	81
							●	●	●	●	●		●								30	31	34	37	40	43	48	53	57	68	84	97
							●		●	●	●										35	36	40	44	47	50	56	62	67	80	98	113
							●	●	●	●	●										40	41	46	50	54	58	64	71	76	97	112	129
							●		●	●	●										50	51	57	62	67	72	81	88	95	114	140	161
							●		●	●	●										60	61	68	75	81	86	97	106	114	137	167	193
							●														70	71	80	87	94	101	113	124	133	160	195	225
							●														80	82	91	100	108	115	129	141	153	182	225	260
							●														90	92	103	112	121	130	145	159	172	205	250	290
									●												105	107	120	131	141	151	169	186	200	240	—	—

*00° = Solid Stream.

WEG

Nozzle Type and Spray Angle														Capacity Size	Capacity (liters per minute)										
1/8 WEG							1/4 WEG																		
*00°	5°	15°	25°	40°	50°	65°	*00°	5°	15°	25°	40°	50°	65°		20 bar	25 bar	30 bar	35 bar	40 bar	50 bar	60 bar	70 bar	100 bar	150 bar	200 bar
		●	●	●										03	3.1	3.4	3.7	4.0	4.3	4.8	5.3	5.7	6.8	8.4	9.7
●		●	●	●	●	●	●		●	●	●		●	04	4.1	4.6	5.0	5.4	5.8	6.4	7.1	7.6	9.1	11.2	12.9
		●	●	●					●	●	●			045	4.6	5.1	5.6	6.1	6.5	7.3	7.9	8.6	10.3	12.6	14.5
●		●	●	●	●	●	●		●	●	●	●	●	05	5.1	5.7	6.2	6.7	7.2	8.1	8.8	9.5	11.4	14.0	16.1
●		●	●	●	●	●	●		●	●				055	5.6	6.3	6.9	7.4	7.9	8.9	9.7	10.5	12.5	15.4	17.7
●		●	●	●	●	●	●		●	●	●			06	6.1	6.8	7.5	8.1	8.6	9.7	10.6	11.4	13.7	16.7	19.3
				●					●					065	6.6	7.4	8.1	8.8	9.4	10.5	11.5	12.4	14.8	18.1	21
●		●	●	●	●	●	●		●	●	●		●	07	7.1	8.0	8.7	9.4	10.1	11.3	12.4	13.3	16.0	19.5	23
●		●	●	●	●	●	●		●	●	●			08	8.2	9.1	10.0	10.8	11.5	12.9	14.1	15.3	18.2	22	26

*00° = Solid Stream.



WashJet® Spray Nozzles • High Impact Spray
Small Capacity

PERFORMANCE DATA

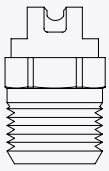
WEG

Nozzle Type and Spray Angle														Capacity Size	Capacity (liters per minute)										
1/8 WEG							1/4 WEG								20 bar	25 bar	30 bar	35 bar	40 bar	50 bar	60 bar	70 bar	100 bar	150 bar	200 bar
*00°	5°	15°	25°	40°	50°	65°	*00°	5°	15°	25°	40°	50°	65°												
●		●	●	●										085	8.7	9.7	10.6	11.5	12.3	13.7	15.0	16.2	19.4	24	27
●		●	●	●	●	●	●		●	●	●			09	9.2	10.3	11.2	12.1	13.0	14.5	15.9	17.2	21	25	29
			●											095	9.7	10.8	11.9	12.8	13.7	15.3	16.8	18.1	22	27	31
●		●	●	●	●	●	●		●	●	●			10	10.2	11.4	12.5	13.5	14.4	16.1	17.7	19.1	23	28	32
							●							15	15.3	17.1	18.7	20	22	24	26	29	34	42	48
		●												16	16.3	18.2	20	22	23	26	28	31	36	45	52
●														20	20	23	25	27	29	32	35	38	46	56	64
							●							30	31	34	37	40	43	48	53	57	68	84	97

*00° = Solid Stream.

DIMENSIONS & WEIGHTS

MEG, WEG



Nozzle Type (Conn.)	Nozzle Inlet Conn. NPT or BSPT	Length (mm)	Hex. (mm)	Flats (mm)	Net Weight (kg)
MEG (M)	1/8	22	12.7	7.9	.02
	1/4	23 flat 26 solid	14.3	10.3	.02
WEG (F)	1/8	25	12.7	7.9	.02
	1/4	29	15.9	7.9	.03

Based on largest/heaviest version of each type.

ORDERING INFO

STANDARD SPRAY NOZZLE

1/8 WEG – 15 03

Inlet Conn.	Nozzle Type	Spray Angle	Capacity Size
1/8	WEG	15	03

WashJet® Spray Nozzles • High Impact Spray

Small Capacity

PERFORMANCE DATA

23990 AND 48099 ADJUSTABLE WASHJET NOZZLE

Capacity Size	Capacity (liters per minute)							
	20 bar	40 bar	60 bar	80 bar	100 bar	120 bar	140 bar	170 bar
02	2.0	2.9	3.5	4.1	4.6	5.0	5.4	5.9
03	3.1	4.3	5.3	6.1	6.8	7.5	8.1	8.9
035	3.6	5.0	6.2	7.1	8.0	8.7	9.4	10.4
04	4.1	5.8	7.1	8.2	9.1	10.0	10.8	11.9
045	4.6	6.5	7.9	9.2	10.3	11.2	12.1	13.4
05	5.1	7.2	8.8	10.2	11.4	12.5	13.5	14.9
055	5.6	7.9	9.7	11.2	12.5	13.7	14.8	16.3
06	6.1	8.6	10.6	12.2	13.7	15.0	16.2	17.8
065	6.6	9.4	11.5	13.3	14.8	16.2	17.5	19.3
07	7.1	10.1	12.4	14.3	16.0	17.5	18.9	21
075	7.6	10.8	13.2	15.3	17.1	18.7	20	22
08	8.2	11.5	14.1	16.3	18.2	20	22	24
085	8.7	12.3	15.0	17.4	19.4	21	23	25
09	9.2	13.0	15.8	18.4	21	22	24	27
095	9.7	13.7	16.7	19.4	22	24	26	28
10	10.2	14.4	17.7	20	23	25	27	30
11	11.2	15.8	19.4	22	25	27	30	33
12	12.2	17.2	21	24	27	30	32	36
14	14.2	20	25	29	32	35	38	42
16	16.4	23	28	33	36	40	44	48
18	18.4	26	32	37	42	44	48	54
20	20	29	35	40	46	50	54	60
22	22	32	39	44	50	54	60	66

24055 ADJUSTABLE HIGH/LOW WASHJET NOZZLE

Capacity Size	Capacity High Pressure Setting (liters per minute)					
	30 bar	40 bar	50 bar	60 bar	70 bar	100 bar
02	2.5	2.9	3.2	3.5	3.8	4.6
03	3.7	4.3	4.8	5.3	5.7	6.8
035	4.4	5.0	5.6	6.2	6.7	8.0
04	5.0	5.8	6.4	7.1	7.6	9.1
045	5.6	6.5	7.3	8.0	8.6	10.3
05	6.2	7.2	8.1	8.8	9.5	11.4
055	6.9	7.9	8.9	9.7	10.5	12.5
06	7.5	8.6	9.7	10.6	11.4	13.7
065	8.1	9.4	10.5	11.5	12.4	14.8
07	8.7	10.1	11.3	12.4	13.3	16.0
075	9.4	10.8	12.1	13.2	14.3	17.1
08	10.0	11.5	12.9	14.1	15.3	18.2
10	12.5	14.4	16.1	17.1	19.1	23

Capacity* Low Pressure Setting	
bar	l/min
3	8.3
7	12.6
10	15
20	21

* Capacity at low pressure setting is equivalent to a --20 capacity nozzle.

ORDERING INFO

STANDARD SPRAY NOZZLE

23990 – 1/4 – 02

Nozzle Type | Inlet Conn. | Capacity Size

STANDARD SPRAY NOZZLE

48099 – 1/4 – 02

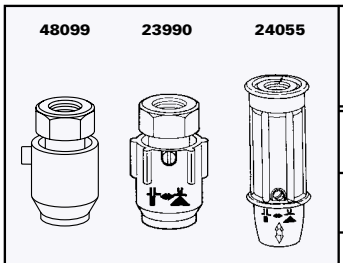
Nozzle Type | Inlet Conn. | Capacity Size

STANDARD SPRAY NOZZLE

24055 – 1/4 – 02

Nozzle Type | Inlet Conn. | Capacity Size

DIMENSIONS & WEIGHTS



Nozzle Type (Conn.)	Nozzle Inlet Conn. NPT or BSPT	Length (mm)	Hex. (mm)	Dia. (mm)	Net Weight (kg)
23990 (F)	1/8 1/4	48	22.2	30.2	.09
48099 (F)	1/8 1/4	48	22.2	30.2	.14
24055 (F)	1/8 1/4	97	22.2	34.9	.19

Based on largest/heaviest version of each type.

WashJet® Spray Nozzles • High Impact Spray
Small Capacity

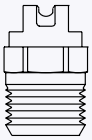
PERFORMANCE DATA

IMEG

Nozzle Inlet Conn. NPT or BSPT(M)	Spray Angle at 3 bar								Capacity Size	Capacity (liters per minute)										
	5°	10°	15°	25°	40°	50°	65°	80°		20 bar	25 bar	30 bar	35 bar	40 bar	50 bar	60 bar	70 bar	100 bar	150 bar	200 bar
1/8, 1/4	●	●	●	●	●	●	●	●	03	3.1	3.4	3.7	4.0	4.3	4.8	5.3	5.7	6.8	8.4	9.7
	●	●	●	●	●	●	●	●	035	3.6	4.0	4.4	4.7	5.1	5.7	6.2	6.7	8.0	9.8	11.5
	●	●	●	●	●	●	●	●	04	4.1	4.6	5.0	5.4	5.8	6.4	7.1	7.6	9.1	11.2	12.9
	●	●	●	●	●	●	●	●	045	4.6	5.1	5.6	6.1	6.5	7.3	7.9	8.6	10.3	12.6	14.5
	●	●	●	●	●	●	●	●	05	5.1	5.7	6.2	6.7	7.2	8.1	8.8	9.5	11.4	14.0	16.1
	●	●	●	●	●	●	●	●	055	5.6	6.3	6.9	7.4	7.9	8.9	9.7	10.5	12.5	15.4	17.7
	●	●	●	●	●	●	●	●	06	6.1	6.8	7.5	8.1	8.6	9.7	10.6	11.4	13.7	16.7	19.3
	●	●	●	●	●	●	●	●	065	6.6	7.4	8.1	8.8	9.4	10.5	11.5	12.4	14.8	18.1	21
	●	●	●	●	●	●	●	●	07	7.1	8.0	8.7	9.4	10.1	11.3	12.4	13.3	16.0	19.5	23
	●	●	●	●	●	●	●	●	075	7.6	8.5	9.4	10.1	10.8	12.1	13.2	14.3	17.1	21	24
	●	●	●	●	●	●	●	●	08	8.2	9.1	10.0	10.8	11.5	12.9	14.1	15.3	18.2	22	26

DIMENSIONS & WEIGHTS

IMEG



Nozzle Type (Conn.)	Nozzle Inlet Conn. NPT or BSPT	Length (mm)	Hex. (mm)	Net Weight (kg)
IMEG (M)	1/8	22	12.7	.02
	1/4	39	14.3	.02

Based on largest/heaviest version of each type.

ORDERING INFO

STANDARD SPRAY NOZZLE

1/4 IMEG – 15 05

Inlet Conn.	Nozzle Type	Spray Angle	Capacity Size

FoamJet® Spray Nozzle • Standard Spray

Small Capacity

MEF



1/4" NPT or BSPT (M)

WEF



1/4" NPT or BSPT (F)

DESIGN FEATURES

FoamJet nozzles feature hardened stainless steel construction for longer wear life and accurate flow control.

At low pressures, the FoamJet nozzles produce an aerated foam in a 40° flat spray pattern. At high pressures, they produce a high impact 40° flat spray like that of the standard MEG WashJet® nozzles.

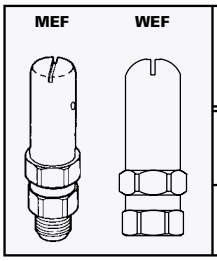
COMMON APPLICATIONS

- High pressure wash applications requiring periodic changes of spray performance
- Cleaning applications involving occasional clogging problems
- Pressure wash applications with nozzles mounted in hard-to-reach places

PERFORMANCE DATA

Spray Angle at 3 bar	Nozzle Inlet Conn. NPT or BSPT (M or F)	Capacity Size	Low Pressure Foam Generation (liters per minute)			High Pressure Wash/Rinse (liters per minute)							
			2 bar	3 bar	4 bar	35 bar	40 bar	50 bar	60 bar	70 bar	100 bar	150 bar	200 bar
40°	1/4	05	1.6	2.0	2.3	6.7	7.2	8.1	8.8	9.5	11.4	14.0	16.1
		07	2.3	2.8	3.2	9.4	10.1	11.3	12.4	13.3	16.0	19.5	23
		08	2.6	3.2	3.6	10.8	11.5	12.9	14.1	15.3	18.2	22	26
		10	3.2	3.9	4.6	13.5	14.4	16.1	17.7	19.1	23	28	32

DIMENSIONS & WEIGHTS



Nozzle Type (Conn.)	Nozzle Inlet Conn. NPT or BSPT	Length (mm)	Hex. (mm)	Net Weight (kg)
MEF (M)	1/4	67	19.1	.08
WEF (F)	1/4	56	19.1	.07

Based on largest/heaviest version of each type.

ORDERING INFO

STANDARD SPRAY NOZZLE

1/4 MEF – 40 05

Inlet Conn.	Nozzle Type	Spray Angle	Capacity Size

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UniJet® FoamJet® Spray Nozzles

High Impact Spray

Small Capacity


T female body or


TT male body


Spray tip


Tip retainer

FJ


FoamJet nozzle spray tip

FOR MORE UNIJET SYSTEM INFO SEE SECTION A

FJP


Plastic FoamJet nozzle spray tip

Available in colors:
yellow–02
blue–03
red–04
brown–05
gray–06
white–08
light blue–10

DESIGN FEATURES

FoamJet spray tips provide a flat spray or solid stream pattern.

- **Model FJ** flat spray tips are constructed of brass; FJ solid stream tips are brass with stainless steel internal orifices.
- **Model FJP** flat spray tips are constructed of lightweight, chemically inert CELCON® and feature color-coded orifice inserts.

PERFORMANCE DATA

Spray Angle*	Tip Type		Capacity Size	Capacity (liters per minute)					Foam Spray Angle**
	FJ	FJP		3 bar	3.5 bar	4 bar	7 bar	14 bar	
80°		●	02	.76	.80	.90	—	—	105°
	●	●	03	1.1	1.3	1.4	—	—	
	●	●	04	1.5	1.7	1.9	—	—	
	●	●	05	1.9	2.1	3.1	—	—	
	●		06	2.3	2.5	2.8	—	—	
40°		●	02	.76	.80	.91	—	—	75°
		●	03	1.1	1.3	1.4	—	—	
		●	04	1.5	1.7	1.9	—	—	
		●	05	1.9	2.1	3.1	—	—	
25°	●		30	11.4	12.9	14.0	—	—	45°
20°		●	02	.76	.80	.90	—	—	40°
		●	03	1.1	1.3	1.4	—	—	
		●	04	1.5	1.7	1.9	—	—	
		●	05	2.3	2.5	2.8	—	—	
00°	●		06	2.3	—	—	3.8	4.9	00° Solid Stream
	●		08	3.0	—	—	4.9	6.8	
	●		10	3.8	—	—	6.1	8.3	
	●		15	5.7	—	—	9.1	12.9	
	●		20	7.6	—	—	12.1	17.0	
	●		25	9.5	—	—	15.1	21.2	
	●		30	11.4	—	—	17.8	25.4	

* Based on spraying water at 40 psi (3 bar) with air aspiration holes blocked.
** Approximate spray angle based on spraying water with foaming agent at 40 psi (3 bar).

DIMENSIONS & WEIGHTS



Nozzle Type	Length (mm)	Hex. (mm)	Net Weight (kg)
T+FJ TT+FJ	79.4	20.6	.08
T+FJP TT+FJP	79.4	20.6	.08

Based on largest/heaviest version of each type.

ORDERING INFO

UNIJET COMPLETE NOZZLE

NOZZLE BODY			SPRAY TIP			
1/4	TT	+	FJ	80	03	
Inlet Conn.	Body Type		Tip Type	Spray Angle	Capacity Size	

NOZZLE BODY				SPRAY TIP				
1/4	TT	– NYB	+	FJP	20	03	– CE	
Inlet Conn.	Body Type	Material Code		Tip Type	Spray Angle	Capacity Size	Material Code	

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QUICK *WashJet*® Spray Nozzles • High Impact Spray

Small Capacity



QJEG female body or



QJJEG male body



Seal



Spray tip

QEG



Quick WashJet nozzle spray tip

FOR MORE QUICKJET® SYSTEM INFO SEE SECTION A

DESIGN FEATURES

QEG Quick WashJet spray nozzle tips produce a uniform spray distribution of medium-sized drops. The orifices are precision-machined for accurate control of flow rates.

- Quick-connect 1/4 turn installation and automatic spray alignment.
- Safety lock feature prevents the spray tips from releasing at high pressures.
- Feature hardened stainless steel construction for longer wear life.
- Safer, smaller and much lighter than conventional quick disconnect nozzles.

COMMON APPLICATIONS

- High pressure wash applications requiring periodic changes of spray performance
- Cleaning applications involving occasional clogging problems
- Pressure wash applications with nozzles mounted in hard-to-reach places

PERFORMANCE DATA

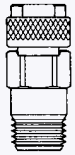
Nozzle Inlet Conn. NPT or BSPT	Spray Angle						Capacity Size	Capacity (liters per minute)										
	**00°	15°	25°	40°	50°	65°		20 bar	25 bar	30 bar	35 bar	40 bar	50 bar	60 bar	70 bar	100 bar	150 bar	200 bar
		●					02	2.0	2.3	2.5	2.7	2.9	3.2	3.5	3.8	4.6	5.6	6.4
		●					03	3.1	3.4	3.7	4.0	4.3	4.8	5.3	5.7	6.8	8.4	9.7
	●	●	●	●		●	04	4.1	4.6	5.0	5.4	5.8	6.4	7.1	7.6	9.1	11.2	12.9
	●	●	●	●		●	045	4.6	5.1	5.6	6.1	6.5	7.3	7.9	8.6	10.3	12.6	14.5
	●	●	●	●	●	●	05	5.1	5.7	6.2	6.7	7.2	8.1	8.8	9.5	11.4	14.0	16.1
	●	●	●	●			055	5.6	6.3	6.9	7.4	7.9	8.9	9.7	10.5	12.5	15.4	17.7
	●	●	●	●	●	●	06	6.1	6.8	7.5	8.1	8.6	9.7	10.6	11.4	13.7	16.7	19.3
1/8, 1/4	●	●	●	●			065	6.6	7.4	8.1	8.8	9.4	10.5	11.5	12.4	14.8	18.1	21
	●	●	●	●	●	●	07	7.1	8.0	8.7	9.4	10.1	11.3	12.4	13.3	16.0	19.5	23
	●	●					075	7.6	8.5	9.4	10.1	10.8	12.1	13.2	14.3	17.1	21	24
	●	●	●	●	●	●	08	8.2	9.1	10.0	10.8	11.5	12.9	14.1	15.3	18.2	22	26
	●	●	●	●	●	●	09	9.2	10.3	11.2	12.1	13.0	14.5	15.9	17.2	21	25	29
	●	●	●	●	●	●	10	10.2	11.4	12.5	13.5	14.4	16.1	17.7	19.1	23	28	32
	●	●	●	●	●		15	15.3	17.1	18.7	20	22	24	26	29	34	42	48
	●	●	●	●	●		20	20	23	25	27	29	32	35	38	46	56	64

** 00° = Solid Stream.

QUICK WashJet® Spray Nozzles • High Impact Spray

Small Capacity

DIMENSIONS & WEIGHTS

QEG	Nozzle Type	Length (mm)	Hex. (mm)	Net Weight (kg)
	QJEG+QEG	40.9	15.9	.42
	QJJEG+QEG	37.7	14.3	.36

Based on largest/heaviest version of each type.

ORDERING INFO

QUICKJET® COMPLETE NOZZLE

NOZZLE BODY			SPRAY TIP			
1/4	QJEG	+	QEG	–	15	04
Inlet Conn.	Body Type		Tip Type		Spray Angle	Capacity Size

BODY TYPES

Nozzle Inlet Conn. NPT or BSPT	Standard Body	
	Conn. F	Conn. M
	QJEG	QJJEG
1/8	•	•
1/4	•	•

Quick Connect WashJet® Spray Nozzles
High Impact Spray
Small Capacity

QCMEG



1/4" Quick Connect spray nozzles

QCIMEG



1/4" Quick Connect spray nozzles

COMMON APPLICATIONS

- Washing off labels
- Rinsing equipment
- Pressure washing
- Vehicle washing
- Parts cleaning
- Surface preparation

DESIGN FEATURES

Model QCMEG nozzles include color-coded protective nozzle guards. The nozzle guards include locating ribs which are used for fast spray alignment during installation and allow easy spray pattern direction for the operator. The nozzles incorporate a 1/4" quick connect/disconnect design. Spray angles range from solid stream to a 40° flat spray.

Model QCIMEG nozzles offer 25 to 100 percent more impact than standard QCMEG nozzles.

- A streamlined internal passage optimizes fluid dynamics, minimizes turbulence, and maximizes spray pattern performance.
- A 302 stainless steel quide vane further stabilizes turbulent flow and improves pattern quality and cleaning efficiency.
- The nozzles feature a color-coded nylon protector cap to identify spray angle. Five different spray angles are available: 5°, 10°, 15°, 25°, and 40°.
- One-piece body design is constructed of hardened stainless steel.

ACCESSORIES

- Hand Guns
- High Pressure Automatic Guns
- Extensions
- Swivel Connectors

See Section L for more info.

PERFORMANCE DATA

QCMEG

Spray Angle at 40 psi				Capacity Size	Capacity (liters per minute)												
*00° (Red)	15° (Yellow)	25° (Green)	40° (White)		20 bar	25 bar	30 bar	35 bar	40 bar	50 bar	60 bar	70 bar	100 bar	150 bar	200 bar	250 bar	275 bar
		●	●	02	2.0	2.3	2.5	2.7	2.9	3.2	3.5	3.8	4.6	5.6	6.4	7.3	7.7
●	●	●		03	3.1	3.4	3.7	4.0	4.3	4.8	5.3	5.7	6.8	8.4	9.7	10.7	11.3
●	●	●	●	035	3.6	4.0	4.4	4.7	5.1	5.7	6.2	6.7	8.0	9.8	11.3	12.5	13.2
●	●	●	●	04	4.1	4.6	5.0	5.4	5.8	6.4	7.1	7.6	9.1	11.2	12.9	14.4	15.1
●	●	●	●	045	4.6	5.1	5.6	6.1	6.5	7.3	7.9	8.6	10.3	12.6	14.5	16.2	17.0
●	●	●	●	05	5.1	5.7	6.2	6.7	7.2	8.1	8.8	9.5	11.4	14.0	16.1	18.0	18.9
●	●	●	●	055	5.6	6.3	6.9	7.4	7.9	8.9	9.7	10.5	12.5	15.4	17.7	19.8	21
●	●	●	●	06	6.1	6.8	7.5	8.1	8.6	9.7	10.6	11.4	13.7	16.7	19.3	22	23
●	●	●	●	065	6.6	7.4	8.1	8.8	9.4	10.5	11.5	12.4	14.8	18.1	21	23	25
●	●	●	●	07	7.1	8.0	8.7	9.4	10.1	11.3	12.4	13.3	16.0	19.5	23	25	26
●	●	●	●	075	7.6	8.5	9.4	10.1	10.8	12.1	13.2	14.3	17.1	21	24	27	28
●	●	●	●	08	8.2	9.1	10.0	10.8	11.5	12.9	14.1	15.3	18.2	22	26	29	30
	●	●	●	09	9.2	10.3	11.2	12.1	13.0	14.5	15.9	17.2	21	25	29	32	34
●	●	●	●	10	10.2	11.4	12.5	13.5	14.4	16.1	17.7	19.1	23	28	32	36	38
●	●	●	●	12	12.2	13.7	15.0	16.2	17.3	19.3	21	23	27	33	39	43	45
	●		●	15	15.3	17.1	18.7	20	22	24	26	29	34	42	48	54	56

* 00° = Solid Stream.



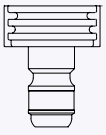
Quick Connect WashJet® Spray Nozzles
High Impact Spray
Small Capacity

PERFORMANCE DATA

QCIMEG

Spray Angle at 40 psi				Capacity Size	Capacity (liters per minute)												
10° (Orange)	15° (Yellow)	25° (Green)	40° (White)		20 bar	25 bar	30 bar	35 bar	40 bar	50 bar	60 bar	70 bar	100 bar	150 bar	200 bar	250 bar	275 bar
		●	●	02	2.0	2.3	2.5	2.7	2.9	3.2	3.5	3.8	4.6	5.6	6.4	7.3	7.7
●	●	●	●	03	3.1	3.4	3.7	4.0	4.3	4.8	5.3	5.7	6.8	8.4	9.7	10.7	11.3
●	●	●	●	035	3.6	4.0	4.4	4.7	5.1	5.7	6.2	6.7	8.0	9.8	11.3	12.5	13.2
●	●	●	●	04	4.1	4.6	5.0	5.4	5.8	6.4	7.1	7.6	9.1	11.2	12.9	14.4	15.1
●	●	●	●	045	4.6	5.1	5.6	6.1	6.5	7.3	7.9	8.6	10.3	12.6	14.5	16.2	17.0
●	●	●	●	05	5.1	5.7	6.2	6.7	7.2	8.1	8.8	9.5	11.4	14.0	16.1	18.0	18.9
●	●	●	●	055	5.6	6.3	6.9	7.4	7.9	8.9	9.7	10.5	12.5	15.4	17.7	19.8	21
●	●	●	●	06	6.1	6.8	7.5	8.1	8.6	9.7	10.6	11.4	13.7	16.7	19.3	22	23
●	●	●	●	065	6.6	7.4	8.1	8.8	9.4	10.5	11.5	12.4	14.8	18.1	21	23	25
●	●	●	●	07	7.1	8.0	8.7	9.4	10.1	11.3	12.4	13.3	16.0	19.5	23	25	26
●	●	●	●	075	7.6	8.5	9.4	10.1	10.8	12.1	13.2	14.3	17.1	21	24	27	28
●	●	●	●	08	8.2	9.1	10.0	10.8	11.5	12.9	14.1	15.3	18.2	22	26	29	30
	●	●	●	09	9.2	10.3	11.2	12.1	13.0	14.5	15.9	17.2	21	25	29	32	34
●	●	●	●	10	10.2	11.4	12.5	13.5	14.4	16.1	17.7	19.1	23	28	32	36	38
●	●	●	●	12	12.2	13.7	15.0	16.2	17.3	19.3	21	23	27	33	39	43	45
	●		●	15	15.3	17.1	18.7	20	22	24	26	29	34	42	48	54	56

DIMENSIONS & WEIGHTS

QCMEG, QCIMEG	Nozzle Type	Length (mm)	Dia. (mm)	Net Weight (kg)
	QCMEG QCIMEG	31	25	.02

Based on largest/heaviest version of each type.

ORDERING INFO

STANDARD SPRAY NOZZLE

WITH GUIDE VANE

QCMEG – 15 05

Nozzle Type | Spray Angle | Capacity Size

WITHOUT GUIDE VANE

SAQCMEG – 15 05

Nozzle Type | Spray Angle | Capacity Size

STANDARD SPRAY NOZZLE

WITH GUIDE VANE

QCIMEG – 15 04

Nozzle Type | Spray Angle | Capacity Size

WITHOUT GUIDE VANE

SAQCIMEG – 15 04

Nozzle Type | Spray Angle | Capacity Size

UniJet® Spray Nozzles • High Pressure Spray

Small Capacity



High pressure female body



Gasket



Screen strainer



Tip gasket



Spray tip



High pressure tip retainer

EG



WashJet® nozzle spray tip

Mesh Selection Guide	
Orifice Dia.	Recommended Screen Mesh
Up through .018" (.46 mm)	200
.019" (.47 mm) through .031" (.79 mm)	100
.032" (.80 mm) and larger	50

DESIGN FEATURES

Model EG WashJet spray tips, made of hardened stainless steel, produce a uniform spray distribution of medium-sized drops in a high impact solid stream or flat spray pattern.

EG spray tips are designed for use with No. 11430 high pressure UniJet nozzle bodies.

COMMON APPLICATIONS

- High pressure washing of equipment, machinery, vehicles, boats, tanks, etc.

FOR MORE UNIJET SYSTEM INFO SEE SECTION A

PERFORMANCE DATA

Spray Angle at 3 bar						Capacity Size	Capacity (liters per minute)										
*00°	15°	25°	40°	50°	65°		20 bar	25 bar	30 bar	35 bar	40 bar	50 bar	60 bar	70 bar	100 bar	150 bar	200 bar
●						015	1.5	1.7	1.9	2.0	2.2	2.4	2.6	2.9	3.4	4.2	4.8
●						02	2.0	2.3	2.5	2.7	2.9	3.2	3.5	3.8	4.6	5.6	6.4
●	●	●				03	3.1	3.4	3.7	4.0	4.3	4.8	5.3	5.7	6.8	8.4	9.7
●	●	●	●		●	04	4.1	4.6	5.0	5.4	5.8	6.4	7.1	7.6	9.1	11.2	12.9
●	●	●	●			045	4.6	5.1	5.6	6.1	6.5	7.3	7.9	8.6	10.3	12.6	14.5
●	●	●	●			05	5.1	5.7	6.2	6.7	7.2	8.1	8.8	9.5	11.4	14.0	16.1
●	●	●	●			055	5.6	6.3	6.9	7.4	7.9	8.9	9.7	10.5	12.5	15.4	17.7
●	●	●	●	●	●	06	6.1	6.8	7.5	8.1	8.6	9.7	10.6	11.4	13.7	16.7	19.3
●		●				065	6.6	7.4	8.1	8.8	9.4	10.5	11.5	12.4	14.8	18.1	21
●	●	●	●	●	●	07	7.1	8.0	8.7	9.4	10.1	11.3	12.4	13.3	16.0	19.5	23
●	●	●	●		●	08	8.2	9.1	10.0	10.8	11.5	12.9	14.1	15.3	18.2	22	26

* 00° = Solid Stream.

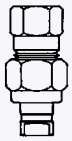
UniJet® Spray Nozzles • High Pressure Spray
Small Capacity

PERFORMANCE DATA

Spray Angle at 3 bar						Capacity Size	Capacity (liters per minute)										
*00°	15°	25°	40°	50°	65°		20 bar	25 bar	30 bar	35 bar	40 bar	50 bar	60 bar	70 bar	100 bar	150 bar	200 bar
●	●	●	●		●	09	9.2	10.3	11.2	12.1	13.0	14.5	15.9	17.2	21	25	29
●	●	●	●	●		10	10.2	11.4	12.5	13.5	14.4	16.1	17.7	19.1	23	28	32
●						11	11.2	12.6	13.8	14.8	15.8	17.8	19.4	21	25	31	35
		●				12	12.2	13.7	15.0	16.2	17.3	19.3	21	23	27	33	39
●	●		●			13	13.3	14.8	16.2	17.5	18.7	21	23	25	30	36	42
●						14	14.2	16.0	17.4	18.8	20	23	25	27	32	39	46
	●	●	●			15	15.3	17.1	18.7	20	22	24	26	29	34	42	48
●			●	●		20	20	23	25	27	29	32	35	38	46	56	64

* 00° = Solid Stream.

DIMENSIONS & WEIGHTS

EG	Nozzle Type	Length (mm)	Hex. (mm)	Net Weight (kg)
	11430+EG	51.5	20.6	.07

Based on largest/heaviest version of each type.

ORDERING INFO

UNIJET COMPLETE NOZZLE

NOZZLE BODY				SPRAY TIP			
11430	– 1/4	– SS	– 100	+ TP	15	04	EG
Nozzle Type	Inlet Conn.	Material Code	Strainer Screen Mesh Size	Tip Code	Spray Angle	Capacity Size	Tip Type

UniJet® Spray Nozzles • High Pressure Spray

Small Capacity



High pressure female body



Gasket



Screen strainer



Tip gasket



Spray tip



High pressure tip retainer

TC



UniJet nozzle spray tip

DESIGN FEATURES

Model UniJet TC spray tips feature a large tungsten carbide orifice insert for maximum erosion resistance. The tip orifice insert is recessed in a solid stainless steel tip body to protect against damage. They provide a high impact flat spray pattern with feathered edges for even coverage when sprays overlap.

TC spray tips are designed for use with No. 11430 high pressure UniJet nozzle bodies.

FOR MORE UNIJET SYSTEM INFO SEE SECTION A

Mesh Selection Guide	
Orifice Dia.	Recommended Screen Mesh
Up through .018" (.46 mm)	200
.019" (.47 mm) through .031" (.79 mm)	100
.032" (.80 mm) and larger	50

PERFORMANCE DATA

Tip Type	Equiv. Orifice Dia. (mm)	Capacity* (liters per minute)				Approx.** Spray Pattern Width (cm) (at 30 cm distance)
		50 bar	100 bar	150 bar	200 bar	
1100017-TC	.28	.27	.39	.47	.55	39
1100025-TC	.33	.40	.57	.70	.81	42
1100033-TC	.38	.53	.75	.92	1.1	43
1100039-TC	.41	.63	.89	1.1	1.3	46
1100050-TC	.46	.81	1.1	1.4	1.6	48
1100067-TC	.53	1.1	1.5	1.9	2.2	53
1100080-TC	.58	1.3	1.8	2.2	2.6	56
11001-TC	.66	1.6	2.3	2.8	3.2	58
110015-TC	.79	2.4	3.4	4.2	4.8	63
11002-TC	.91	3.2	4.6	5.6	6.4	66
11003-TC	1.1	4.8	6.8	8.4	9.7	68
11004-TC	1.3	6.4	9.1	11.2	12.9	71
11005-TC	1.4	8.1	11.4	14.0	16.1	71
110053-TC	1.5	8.5	12.1	14.8	17.1	71
11006-TC	1.6	9.7	13.7	16.7	19.3	71
11007-TC	1.7	11.3	16.0	19.5	23	71
11008-TC	1.8	12.9	18.2	22	26	71
11009-TC	1.9	14.5	21	25	29	71
11010-TC	2.0	16.1	23	28	32	71

Tip Type	Equiv. Orifice Dia. (mm)	Capacity* (liters per minute)				Approx.** Spray Pattern Width (cm) (at 30 cm distance)
		50 bar	100 bar	150 bar	200 bar	
11011-TC	2.2	17.7	25	31	35	71
11012-TC	2.3	19.3	27	33	39	71
950017-TC	.28	.27	.39	.47	.55	33
950025-TC	.33	.40	.57	.70	.81	36
950033-TC	.38	.53	.75	.92	1.1	38
950039-TC	.41	.63	.89	1.1	1.3	40
950044-TC	.43	.71	1.0	1.2	1.4	41
950050-TC	.46	.81	1.1	1.4	1.6	43
950067-TC	.53	1.1	1.5	1.9	2.2	48
950080-TC	.58	1.3	1.8	2.2	2.6	48
9501-TC	.66	1.6	2.3	2.8	3.2	53
95015-TC	.79	2.4	3.4	4.2	4.8	53
9502-TC	.91	3.2	4.6	5.6	6.4	56
9503-TC	1.1	4.8	6.8	8.4	9.7	56
9504-TC	1.3	6.4	9.1	11.2	12.9	58
9505-TC	1.4	8.1	11.4	14.0	16.1	58
9506-TC	1.6	9.7	13.7	16.7	19.3	58
9507-TC	1.7	11.3	16.0	19.5	23	58

* Tabulated capacities based on water.
** Spray pattern width is based on liquid with viscosity of 20 seconds #4 Zahn Cup...spraying at 1600 psi (110 bar). Coverages will vary with viscosities and pressures.



UniJet® Spray Nozzles • High Pressure Spray
Small Capacity

PERFORMANCE DATA

Tip Type	Equiv. Orifice Dia. (mm)	Capacity* (liters per minute)				Approx.** Spray Pattern Width (cm) (at 30 cm distance)
		50 bar	100 bar	150 bar	200 bar	
9508-TC	1.8	12.9	18.2	22	26	58
9509-TC	1.9	14.5	21	25	29	58
9510-TC	2.0	16.1	23	28	32	58
9511-TC	2.2	17.7	25	31	35	58
9512-TC	2.3	19.3	27	33	39	58
9513-TC	2.3	21	30	36	42	58
9514-TC	2.4	23	32	39	45	58
9515-TC	2.5	24	34	42	48	58
9516-TC	2.5	26	36	45	52	58
9518-TC	2.6	29	41	50	58	58
9520-TC	2.8	32	46	56	64	58
800011-TC	.23	.18	.25	.31	.35	27
800017-TC	.28	.27	.39	.47	.55	29
800025-TC	.33	.40	.57	.70	.81	31
800033-TC	.38	.53	.75	.92	1.1	33
800039-TC	.41	.63	.89	1.1	1.3	36
800050-TC	.46	.81	1.1	1.4	1.6	38
800067-TC	.53	1.1	1.5	1.9	2.2	43
800080-TC	.58	1.3	1.8	2.2	2.6	43
8001-TC	.66	1.6	2.3	2.8	3.2	48
80015-TC	.79	2.4	3.4	4.2	4.8	48
8002-TC	.91	3.2	4.6	5.6	6.4	48
8003-TC	1.1	4.8	6.8	8.4	9.7	48
8004-TC	1.3	6.4	9.1	11.2	12.9	48
8005-TC	1.4	8.1	11.4	14.0	16.1	48
8006-TC	1.6	9.7	13.7	16.7	19.3	48
8007-TC	1.7	11.3	16.0	19.5	23	48
8008-TC	1.8	12.9	18.2	22	26	48
8009-TC	1.9	14.5	21	25	29	48
8010-TC	2.0	16.1	23	28	33	48
8011-TC	2.1	17.7	25	31	35	48
8012-TC	2.2	19.3	27	33	39	48
8013-TC	2.3	21	30	36	42	48
8014-TC	2.4	23	32	39	45	48
8015-TC	2.5	24	34	42	48	48
730023-TC	.30	.37	.52	.64	.74	29

Tip Type	Equiv. Orifice Dia. (mm)	Capacity* (liters per minute)				Approx.** Spray Pattern Width (cm) (at 30 cm distance)
		50 bar	100 bar	150 bar	200 bar	
730039-TC	.41	.63	.89	1.1	1.3	33
730044-TC	.43	.71	1.0	1.2	1.4	33
730050-TC	.46	.81	1.1	1.4	1.6	33
730154-TC	.79	2.5	3.5	4.3	5.0	33
650008-TC	.18	.13	.18	.22	.26	21
650011-TC	.23	.18	.25	.31	.35	23
650017-TC	.28	.27	.39	.47	.55	25
650025-TC	.33	.40	.57	.70	.81	26
650033-TC	.38	.53	.75	.92	1.1	27
650039-TC	.41	.63	.89	1.1	1.3	30
650044-TC	.43	.71	1.0	1.2	1.4	32
650050-TC	.46	.81	1.1	1.4	1.6	33
650055-TC	.48	.88	1.3	1.5	1.8	33
650067-TC	.53	1.1	1.5	1.9	2.2	38
650080-TC	.58	1.3	1.8	2.2	2.6	38
6501-TC	.66	1.6	2.3	2.8	3.2	40
65015-TC	.79	2.4	3.4	4.2	4.8	40
6502-TC	.91	3.2	4.6	5.6	6.4	40
6503-TC	1.1	4.8	6.8	8.4	9.7	40
6504-TC	1.3	6.4	9.1	11.2	12.9	40
6505-TC	1.4	8.1	11.4	14.0	16.1	40
6506-TC	1.6	9.7	13.7	16.7	19.3	40
6507-TC	1.7	11.3	16.0	19.5	23	40
6508-TC	1.8	12.9	18.2	22	26	40
6509-TC	1.9	14.5	21	25	29	40
6510-TC	2.0	16.1	23	28	32	40
6511-TC	2.1	17.7	25	31	35	40
6512-TC	2.2	19.3	27	33	39	40
6513-TC	2.3	21	30	36	42	40
6514-TC	2.4	23	32	39	45	40
6515-TC	2.5	24	34	42	48	40
6517-TC	2.6	27	39	47	55	40
6520-TC	2.7	32	46	56	64	40
500004-TC	.13	.06	.09	.11	.13	17
500006-TC	.15	.10	.14	.17	.19	18
500008-TC	.18	.13	.18	.22	.26	19

* Tabulated capacities based on water.
** Spray pattern width is based on liquid with viscosity of 20 seconds #4 Zahn Cup...spraying at 1600 psi (110 bar). Coverages will vary with viscosities and pressures.

UniJet® Spray Nozzles • High Pressure Spray

Small Capacity

PERFORMANCE DATA

Tip Type	Equiv. Orifice Dia. (mm)	Capacity* (liters per minute) 50 bar	100 bar	150 bar	200 bar	Approx.** Spray Pattern Width (cm) (at 30 cm distance)
500011-TC	.23	.18	.25	.31	.35	20
500017-TC	.28	.27	.39	.47	.55	21
500025-TC	.33	.40	.57	.70	.81	22
500033-TC	.38	.53	.75	.92	1.1	25
500039-TC	.41	.63	.89	1.1	1.3	26
500044-TC	.43	.71	1.0	1.2	1.4	26
500050-TC	.46	.81	1.1	1.4	1.6	28
500055-TC	.48	.88	1.3	1.5	1.8	28
500067-TC	.53	1.1	1.5	1.9	2.2	30
500080-TC	.58	1.3	1.8	2.2	2.6	33
5001-TC	.66	1.6	2.3	2.8	3.2	35
50015-TC	.79	2.4	3.4	4.2	4.8	35
5002-TC	.91	3.2	4.6	5.6	6.4	35
5003-TC	1.1	4.8	6.8	8.4	9.7	35
5004-TC	1.3	6.4	9.1	11.2	12.9	35
5005-TC	1.4	8.1	11.4	14.0	16.1	35
5006-TC	1.6	9.7	13.7	16.7	19.3	35
5007-TC	1.7	11.3	16.0	19.5	23	35
5008-TC	1.8	12.9	18.2	22	26	35
5010-TC	2.0	16.1	23	28	32	35
5015-TC	2.5	24	34	42	48	35
400004-TC	.13	.06	.09	.11	.13	16
400006-TC	.15	.10	.14	.17	.19	16
400008-TC	.18	.13	.18	.22	.26	16
400011-TC	.23	.18	.25	.31	.35	17
400017-TC	.28	.27	.39	.47	.55	19
400025-TC	.33	.40	.57	.70	.81	20
400033-TC	.38	.53	.75	.92	1.1	21
400039-TC	.41	.63	.89	1.1	1.3	22
400044-TC	.43	.71	1.0	1.2	1.4	24
400050-TC	.46	.81	1.1	1.4	1.6	25
400055-TC	.48	.88	1.3	1.5	1.8	25
400067-TC	.53	1.1	1.5	1.9	2.2	27
400080-TC	.58	1.3	1.8	2.2	2.6	27
4001-TC	.66	1.6	2.3	2.8	3.2	30
40013-TC	.74	2.1	3.0	3.6	4.2	30

Tip Type	Equiv. Orifice Dia. (mm)	Capacity* (liters per minute) 50 bar	100 bar	150 bar	200 bar	Approx.** Spray Pattern Width (cm) (at 30 cm distance)
40015-TC	.79	2.4	3.4	4.2	4.8	30
4002-TC	.91	3.2	4.6	5.6	6.4	30
4003-TC	1.1	4.8	6.8	8.4	9.7	30
4004-TC	1.3	6.4	9.1	11.2	12.9	30
4005-TC	1.4	8.1	11.4	14.0	16.1	30
4006-TC	1.6	9.7	13.7	16.7	19.3	30
4007-TC	1.7	11.3	16.0	19.5	23	30
4008-TC	1.8	12.9	18.2	22	26	30
4009-TC	1.9	14.5	21	25	29	30
4010-TC	2.0	16.1	23	28	32	30
4011-TC	2.1	17.7	25	31	35	30
4015-TC	2.5	24	34	42	48	30
250004-TC	.13	.06	.09	.11	.13	12
250006-TC	.15	.10	.14	.17	.19	12
250008-TC	.18	.13	.18	.22	.26	13
250011-TC	.23	.18	.25	.31	.35	13
250017-TC	.28	.27	.39	.47	.55	15
250025-TC	.33	.40	.57	.70	.81	15
250033-TC	.38	.53	.75	.92	1.1	17
250039-TC	.41	.63	.89	1.1	1.3	17
250050-TC	.46	.81	1.1	1.4	1.6	17
250055-TC	.48	.88	1.3	1.5	1.8	17
250067-TC	.53	1.1	1.5	1.9	2.2	20
250080-TC	.58	1.3	1.8	2.2	2.6	21
2501-TC	.66	1.6	2.3	2.8	3.2	22
25015-TC	.79	2.4	3.4	4.2	4.8	22
2502-TC	.91	3.2	4.6	5.6	6.4	22
2503-TC	1.1	4.8	6.8	8.4	9.7	22
2504-TC	1.3	6.4	9.1	11.2	12.9	22
2505-TC	1.4	8.1	11.4	14.0	16.1	22
2506-TC	1.6	9.7	13.7	16.7	19.3	22
2508-TC	1.8	12.9	18.2	22	26	22
2510-TC	2.0	16.1	23	28	32	22
150004-TC	.13	.06	.09	.11	.13	10
150006-TC	.15	.10	.14	.17	.19	10
150008-TC	.18	.13	.18	.22	.26	11

* Tabulated capacities based on water.

** Spray pattern width is based on liquid with viscosity of 20 seconds #4 Zahn Cup...spraying at 1600 psi (110 bar). Coverages will vary with viscosities and pressures.



UniJet® Spray Nozzles • High Pressure Spray

Small Capacity

PERFORMANCE DATA

Tip Type	Equiv. Orifice Dia. (mm)	Capacity* (liters per minute) 50 bar	100 bar	150 bar	200 bar	Approx.** Spray Pattern Width (cm) (at 30 cm distance)
150011-TC	.23	.18	.25	.31	.35	11
150017-TC	.28	.27	.39	.47	.55	12
150025-TC	.33	.40	.57	.70	.81	12
150033-TC	.38	.53	.75	.92	1.1	13
150039-TC	.41	.63	.89	1.1	1.3	15
150044-TC	.43	.71	1.0	1.2	1.4	15
150050-TC	.46	.81	1.1	1.4	1.6	15
150067-TC	.53	1.1	1.5	1.9	2.2	16
150080-TC	.58	1.3	1.8	2.2	2.6	17
1501-TC	.66	1.6	2.3	2.8	3.2	17
15015-TC	.79	2.4	3.4	4.2	4.8	17
1502-TC	.91	3.2	4.6	5.6	6.4	17
1503-TC	1.1	4.8	6.8	8.4	9.7	17
1504-TC	1.3	6.4	9.1	11.2	12.9	17
1505-TC	1.4	8.1	11.4	14.0	16.1	17
1506-TC	1.6	9.7	13.7	16.7	19.3	17
1507-TC	1.7	11.3	16.0	19.5	23	17
1508-TC	1.8	12.9	18.2	22	26	17
1510-TC	2.0	16.1	23	28	32	17
1515-TC	2.5	24	34	42	48	17
100004-TC	.13	.06	.09	.11	.13	7
100006-TC	.15	.10	.14	.17	.19	7
100008-TC	.18	.13	.18	.22	.26	9
100011-TC	.23	.18	.25	.31	.35	9

Tip Type	Equiv. Orifice Dia. (mm)	Capacity* (liters per minute) 50 bar	100 bar	150 bar	200 bar	Approx.** Spray Pattern Width (cm) (at 30 cm distance)
100017-TC	.28	.27	.39	.47	.55	10
100025-TC	.33	.40	.57	.70	.81	10
100033-TC	.38	.53	.75	.92	1.1	11
100039-TC	.41	.63	.89	1.1	1.3	12
100050-TC	.46	.81	1.1	1.4	1.6	12
100067-TC	.53	1.1	1.5	1.9	2.2	13
100080-TC	.58	1.3	1.8	2.2	2.6	13
1001-TC	.66	1.6	2.3	2.8	3.2	15
10015-TC	.79	2.4	3.4	4.2	4.8	15
1002-TC	.91	3.2	4.6	5.6	6.4	15
050004-TC	.13	.06	.09	.11	.13	6
050008-TC	.18	.13	.18	.22	.26	6
050011-TC	.23	.18	.25	.31	.35	6
050017-TC	.28	.27	.39	.47	.55	7
050025-TC	.33	.40	.57	.70	.81	7
050033-TC	.38	.53	.75	.92	1.1	8
050039-TC	.41	.63	.89	1.1	1.3	10
050050-TC	.46	.81	1.1	1.4	1.6	10
050067-TC	.53	1.1	1.5	1.9	2.2	10
0501-TC	.66	1.1	1.5	1.9	2.2	10
05015-TC	.79	2.4	3.4	4.2	4.8	10
0502-TC	.91	3.2	4.6	5.6	6.4	10
0503-TC	1.1	4.8	6.8	8.4	9.7	10

* Tabulated capacities based on water.
** Spray pattern width is based on liquid with viscosity of 20 seconds #4 Zahn Cup...spraying at 1600 psi (110 bar). Coverages will vary with viscosities and pressures.

DIMENSIONS & WEIGHTS

TC	Nozzle Type	Length (mm)	Hex. (mm)	Net Weight (kg)
	11430+TC	51.5	20.6	.07

Based on largest/heaviest version of each type.

ORDERING INFO

UNIJET COMPLETE NOZZLE

NOZZLE BODY — **SPRAY TIP**

11430 – 1/4 – SS – 100 + TP 1504 – TC

Nozzle Type	Inlet Conn.	Material Code	Strainer Screen Mesh Size	Tip Code	Tip Type
11430	1/4	SS	100	TP	1504 – TC

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UniJet® Spray Nozzles • High Pressure Spray
Small Capacity


High pressure female body


Gasket


Screen strainer


Tip gasket


Spray tip


High pressure tip retainer

ECRTC


UniJet nozzle spray tip

Mesh Selection Guide	
Orifice Dia.	Recommended Screen Mesh
Up through .018" (.46 mm)	200
.019" (.47 mm) through .031" (.79 mm)	100
.032" (.80 mm) and larger	50

DESIGN FEATURES

The Even Spray, Clog Resistant, Tungsten Carbide (ECRTC) flat spray tip offers excellent edge definition, trouble-free spraying and extended wear life.

The even spray feature provides you with an outstanding well-defined spray with uniform coverage across the width of the spray pattern with minimal overspray.

The ECRTC spray tip has been designed to provide trouble-free spraying in applications where higher viscosity liquids are being used, such as adhesives, sealants and high pigment paints.

The orifice insert of the ECRTC spray tip is manufactured of tungsten carbide, with the tip's body manufactured of type 416 stainless steel. This combination of materials provides maximum erosion resistance and extended wear life, helping to guarantee reliable product quality with minimum maintenance.

Features of the ECRTC include:

- Produces an even spray across the pattern width
- Clog resistant design for trouble-free spraying
- Manufactured of tungsten carbide and type 416 stainless steel for maximum wear life.
- Maximum operating pressure of 4,000 psi (275 bar).

The ECRTC spray tip is designed for use with the No. 11430 high pressure UniJet nozzle body.

FOR MORE UNIJET SYSTEM INFO SEE SECTION A

COMMON APPLICATIONS

- Higher viscosity adhesives, sealants and coatings
- Sound deadening materials
- Production, high pressure, airless spraying
- Heavy duty, high pigment paints Flow coating



UniJet® Spray Nozzles • High Pressure Spray

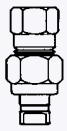
Small Capacity

PERFORMANCE DATA

Spray Angle 3 bar	Spray Tip Number	Equiv. Orifice Dia. (mm)	Capacity* (liters per minute)				Approx.** Spray Pattern Width (at 300 mm distance)
			50 bar	100 bar	150 bar	200 bar	
110°	TP1100039-ECRTC	.41	.63	.89	1.1	1.3	460
	TP1100050-ECRTC	.46	.81	1.1	1.4	1.6	495
95°	TP950017-ECRTC	.28	.27	.39	.47	.55	330
	TP950039-ECRTC	.41	.63	.89	1.1	1.3	410
80°	TP800039-ECRTC	.41	.63	.89	1.1	1.3	355
	TP800050-ECRTC	.46	.81	1.1	1.4	1.6	380
	TP800055-ECRTC	.48	.88	1.3	1.5	1.8	380
	TP800080-ECRTC	.58	1.3	1.8	2.2	2.6	440
65°	TP650039-ECRTC	.41	.63	.89	1.1	1.3	305
	TP650050-ECRTC	.46	.81	1.1	1.4	1.6	330
	TP650067-ECRTC	.53	1.1	1.5	1.9	2.2	375
50°	TP500050-ECRTC	.46	.81	1.1	1.4	1.6	280

* Tabulated capacities based on water.
** Spray pattern width is based on liquid with viscosity of 20 seconds #4 Zahn Cup... spraying at 1600 psi (110 bar). Coverages will vary with viscosities and pressures.

DIMENSIONS & WEIGHTS

ECRTC	Nozzle Type	Length (mm)	Hex. (mm)	Net Weight (kg)
	11430+ECRTC	51.5	20.6	.07

Based on largest/heaviest version of each type.

ORDERING INFO

UNIJET COMPLETE NOZZLE

NOZZLE BODY				SPRAY TIP			
11430 –	1/4 –	SS –	100 +	TP	80	0050 –	ECRTC
Nozzle Type	Inlet Conn.	Material Code	Strainer Screen Mesh Size	Tip Code	Spray Angle	Capacity Size	Tip Type

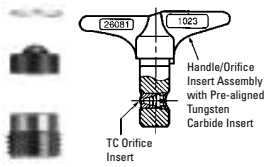
RotoClean® Spray Attachments • For Airless Spraying

Small Capacity

106A **225** **INSERT KITS**







No. RC-- orifice insert (for 106A)

No. 26081-- handle/orifice insert ASB (for 225)

DESIGN FEATURES

The RotoClean spray attachments provide a quick and easy method of unclogging spray tips without removing them from the spray gun in airless painting and high pressure spraying applications.

The RotoClean attaches to the spray gun and includes a tungsten carbide orifice insert which can be rotated 180° by the RotoClean handle to face the opposite direction. This rotation allows obstruction to be blown out the larger opening in the back of the tip as liquid passes through the spray gun.

The RotoClean spray attachments are small and lightweight and operate at pressures up to 4000 psi (275 bar) for 106A, and 5000 psi (344 bar) for 225. Models are available to fit all leading brands of airless spray guns.

RotoClean No.		Connection Thread Size	Gasket No.	For
106A-2	225-2	11/16"-16	7894-NY	SPRAYING SYSTEMS CO. 24 AUA AND GRACO
*106A-3	—	3/4"-16	19078-NY	BALCRANK
106A-6	225-6	7/8"-14	11918-NY	GRACO
106A-8	—	3/8" NPS	12552-NY	NORDSON
106A-9	—	3/8" NPS	10660-NY	DEVILBISS
** 106A-10	225-10	3/4"-20	19079-NY	BINKS 50
106A-11	—	M18 x 1 Metric	7894-NY	ATLAS COPCO
106A-12	—	3/8" NPS	7894-NY	SPEE-FLO
106A-13	—	M18 x 1 Metric	7894-NY	DEICKE & KOPPERSCHMIDT
106A-14	—	1-14	9632-NY	SPRAYING SYSTEMS CO. 44 AUA
106A-15	—	11/16"-16	12552-NY	BINKS 43
106A-16	—	5/8"-14 BSPP	11918-NY	
106A-17	225-17	11/16"-16	13358-NY	WAGNER

* Use Gasket No. 7894-NY for 106A-3.
** Use Gasket No. 12552-NY for 106A-10.

RotoClean® Spray Attachments • For Airless Spraying

Small Capacity

PERFORMANCE DATA

RotoClean Insert Kits			Capacity* (liters per minute)				Approx.** Spray Pattern Width (cm) (at 30 cm distance)
For 106A Orifice Insert No. RC-	For 225 Handle/ Orifice Insert No. 26081-	Equiv. Orifice Dia. (mm)	50 bar	100 bar	150 bar	200 bar	
WG	813	.33	.40	.57	.70	.81	42
WH	815	.38	.53	.75	.92	1.1	43
WI	—	.41	.63	.89	1.1	1.3	46
WJ	918	.46	.81	1.1	1.4	1.6	48
WK	1021	.53	1.1	1.5	1.9	2.2	53
WA	1023	.58	1.3	1.8	2.2	2.6	56
WL	—	.66	1.6	2.3	2.8	3.2	58
WM	—	.79	2.4	3.4	4.2	4.8	63
WN	—	.91	3.2	4.6	5.6	6.4	66
WO	—	1.1	4.8	6.8	8.4	9.7	68
WP	—	1.3	6.4	9.1	11.2	12.9	71
WQ	—	1.4	8.1	11.4	14.0	16.1	71
WR	—	1.6	9.7	13.7	16.7	19.3	71
WS	—	1.7	11.3	16.0	19.5	23	71
WT	—	1.8	12.9	18.2	22	26	71
WU	—	1.9	14.5	21	25	29	71
WV	—	2.0	16.1	23	28	32	71
WX	—	2.3	19.3	27	33	39	71
9F	611	.28	.27	.39	.47	.55	33
9G	713	.33	.40	.57	.70	.81	36
9H	715	.38	.53	.75	.92	1.1	38
9I	—	.41	.63	.89	1.1	1.3	40
9J	818	.46	.81	1.1	1.4	1.6	43
9K	921	.53	1.1	1.5	1.9	2.2	48
9A	923	.58	1.3	1.8	2.2	2.6	48
9L	1026	.66	1.6	2.3	2.8	3.2	53
9M	1031	.79	2.4	3.4	4.2	4.8	53
9N	1036	.91	3.2	4.6	5.6	6.4	56
9O	—	1.1	4.8	6.8	8.4	9.7	56
9P	—	1.3	6.4	9.1	11.2	12.9	58
9Q	—	1.4	8.1	11.4	14.0	16.1	58
9R	—	1.6	9.7	13.7	16.7	19.3	58
9S	—	1.7	11.3	16.0	19.5	23	58
9T	—	1.8	12.9	18.2	22	26	58

RotoClean Insert Kits			Capacity* (liters per minute)				Approx.** Spray Pattern Width (cm) (at 30 cm distance)
For 106A Orifice Insert No. RC-	For 225 Handle/ Orifice Insert No. 26081-	Equiv. Orifice Dia. (mm)	50 bar	100 bar	150 bar	200 bar	
9U	—	1.9	14.5	21	25	29	58
9V	—	2.0	16.1	23	28	32	58
9W	—	2.2	17.7	25	31	35	58
9X	—	2.3	19.3	27	33	39	58
9Z	—	2.5	24	34	42	48	58
8E	—	.23	.18	.25	.31	.35	27
8F	511	.28	.27	.39	.47	.55	29
8G	613	.33	.40	.57	.70	.81	31
8H	615	.38	.53	.75	.92	1.1	33
8I	—	.41	.63	.89	1.1	1.3	36
8J	718	.46	.81	1.1	1.4	1.6	38
8K	821	.53	1.1	1.5	1.9	2.2	43
8A	823	.58	1.3	1.8	2.2	2.6	43
8L	926	.66	1.6	2.3	2.8	3.2	48
8M	931	.79	2.4	3.4	4.2	4.8	48
8N	936	.91	3.2	4.6	5.6	6.4	48
8O	—	1.1	4.8	6.8	8.4	9.7	48
8P	—	1.3	6.4	9.1	11.2	12.9	48
8Q	—	1.4	8.1	11.4	14.0	16.1	48
8R	—	1.6	9.7	13.7	16.7	19.3	48
8S	—	1.7	11.3	16.0	19.5	23	48
8T	—	1.8	12.9	18.2	22	26	48
8U	—	1.9	14.5	21	25	29	48
8V	—	2.0	16.1	23	28	32	48
8W	—	2.1	17.7	25	31	35	48
8X	—	2.2	19.3	27	33	39	48
***	—	2.3	21	30	36	42	48
***	—	2.4	23	32	39	45	48
8Z	—	2.5	24	34	42	48	48
7G	—	.30	.37	.52	.64	.74	29
7I	—	.41	.63	.89	1.1	1.3	33
6D	—	.18	.13	.18	.22	.26	21
6E	—	.23	.18	.25	.31	.35	23
6F	—	.28	.27	.39	.47	.55	25

* Tabulated capacities based on water.
** Spray pattern width is based on liquid with viscosity of 20 seconds #4 Zahn Cup...spraying at 1600 psi (110 bar). Coverages will vary with viscosities and pressures.
*** Available on special request.

RotoClean® Spray Attachments • For Airless Spraying

Small Capacity

PERFORMANCE DATA

RotoClean Insert Kits			Capacity* (liters per minute)				Approx.** Spray Pattern Width (cm) (at 30 cm distance)
For 106A Orifice Insert No. RC-	For 225 Handle/ Orifice Insert No. 26081-	Equiv. Orifice Dia. (mm)	50 bar	100 bar	150 bar	200 bar	
6G	513	.33	.40	.57	.70	.81	26
6H	515	.38	.53	.75	.92	1.1	27
6I	—	.41	.63	.89	1.1	1.3	30
***	***	.43	.71	1.0	1.2	1.4	32
6J	618	.46	.81	1.1	1.4	1.6	33
***	***	.48	.88	1.3	1.5	1.8	33
6K	721	.53	1.1	1.5	1.9	2.2	38
6A	723	.58	1.3	1.8	2.2	2.6	38
6L	726	.66	1.6	2.3	2.8	3.2	40
6M	731	.79	2.4	3.4	4.2	4.8	40
6N	736	.91	3.2	4.6	5.6	6.4	40
6O	—	1.1	4.8	6.8	8.4	9.7	40
6P	—	1.3	6.4	9.1	11.2	12.9	40
6Q	—	1.4	8.1	11.4	14.0	16.1	40
6R	—	1.6	9.7	13.7	16.7	19.3	40
6S	—	1.7	11.3	16.0	19.5	23	40
6T	—	1.8	12.9	18.2	22	26	40
6U	—	1.9	14.5	21	25	29	40
6V	—	2.0	16.1	23	28	32	40
6W	—	2.1	17.7	25	31	35	40
6X	—	2.2	19.3	27	33	39	40
***	—	2.3	21	30	36	42	40
***	—	2.4	23	32	39	45	40
6Z	—	2.5	24	34	42	48	40
5D	—	.18	.13	.18	.22	.26	19
5E	—	.23	.18	.25	.31	.35	20
5F	411	.28	.27	.39	.47	.55	21
5G	413	.33	.40	.57	.70	.81	22
5H	415	.38	.53	.75	.92	1.1	25
5I	—	.41	.63	.89	1.1	1.3	26
***	***	.43	.71	1.0	1.2	1.4	26
5J	518	.46	.81	1.1	1.4	1.6	28
***	***	.48	.88	1.3	1.5	1.8	28
5K	621	.53	1.1	1.5	1.9	2.2	30

RotoClean Insert Kits			Capacity* (liters per minute)				Approx.** Spray Pattern Width (cm) (at 30 cm distance)
For 106A Orifice Insert No. RC-	For 225 Handle/ Orifice Insert No. 26081-	Equiv. Orifice Dia. (mm)	50 bar	100 bar	150 bar	200 bar	
5A	623	.58	1.3	1.8	2.2	2.6	33
5L	626	.66	1.6	2.3	2.8	3.2	35
5M	631	.79	2.4	3.4	4.2	4.8	35
5N	636	.91	3.2	4.6	5.6	6.4	35
5O	—	1.1	4.8	6.8	8.4	9.7	35
5P	—	1.3	6.4	9.1	11.2	12.9	35
5Q	—	1.4	8.1	11.4	14.0	16.1	35
5R	—	1.6	9.7	13.7	16.7	19.3	35
5S	—	1.7	11.3	16.0	19.5	23	35
5T	—	1.8	12.9	18.2	22	26	35
5V	—	2.0	16.1	23	28	32	35
5Z	—	2.5	24	34	42	48	35
4B	—	.13	.06	.09	.11	.13	16
4C	—	.15	.10	.14	.17	.19	16
4D	—	.18	.13	.18	.22	.26	16
4E	—	.23	.18	.25	.31	.35	17
4F	311	.28	.27	.39	.47	.55	19
4G	313	.33	.40	.57	.70	.81	20
4H	—	.38	.53	.75	.92	1.1	21
4I	—	.41	.63	.89	1.1	1.3	22
***	***	.43	.71	1.0	1.2	1.4	24
4J	418	.46	.81	1.1	1.4	1.6	25
***	***	.48	.88	1.3	1.5	1.8	25
4K	521	.53	1.1	1.5	1.9	2.2	27
4A	523	.58	1.3	1.8	2.2	2.6	27
4L	526	.66	1.6	2.3	2.8	3.2	30
***	***	.74	2.1	3.0	3.6	4.2	30
4M	531	.79	2.4	3.4	4.2	4.8	30
4N	536	.91	3.2	4.6	5.6	6.4	30
4O	—	1.1	4.8	6.8	8.4	9.7	30
4P	—	1.3	6.4	9.1	11.2	12.9	30
4Q	—	1.4	8.1	11.4	14.0	16.1	30
4R	—	1.6	9.7	13.7	16.7	19.3	30
4S	—	1.7	11.3	16.0	19.5	23	30

* Tabulated capacities based on water.
** Spray pattern width is based on liquid with viscosity of 20 seconds #4 Zahn Cup...spraying at 1600 psi (110 bar). Coverages will vary with viscosities and pressures.
*** Available on special request.

RotoClean® Spray Attachments • For Airless Spraying

Small Capacity

PERFORMANCE DATA

RotoClean Insert Kits			Capacity* (liters per minute)				Approx.** Spray Pattern Width (cm) (at 30 cm distance)
For 106A Orifice Insert No. RC-	For 225 Handle/ Orifice Insert No. 26081-	Equiv. Orifice Dia. (mm)	50 bar	100 bar	150 bar	200 bar	
4T	—	1.8	12.9	18.2	22	26	30
4U	—	1.9	14.5	21	25	29	30
4V	—	2.0	16.1	23	28	32	30
4Z	—	2.5	24	34	42	48	30
3B	—	.13	.06	.09	.11	.13	12
3C	—	.15	.10	.14	.17	.19	12
3D	—	.18	.13	.18	.22	.26	13
3E	—	.23	.18	.25	.31	.35	13
3F	—	.28	.27	.39	.47	.55	15
3G	—	.33	.40	.57	.70	.81	15
3H	315	.38	.53	.75	.92	1.1	17
3I	—	.41	.63	.89	1.1	1.3	17
3J	318	.46	.81	1.1	1.4	1.6	17
***	***	.48	.88	1.3	1.5	1.8	17
3K	421	.53	1.1	1.5	1.9	2.2	20
3A	423	.58	1.3	1.8	2.2	2.6	21
3L	426	.66	1.6	2.3	2.8	3.2	22
3M	431	.79	2.4	3.4	4.2	4.8	22
3N	436	.91	3.2	4.6	5.6	6.4	22
3O	—	1.1	4.8	6.8	8.4	9.7	22
3P	—	1.3	6.4	9.1	11.2	12.9	22
3R	—	1.6	9.7	13.7	16.7	19.3	22
3T	—	1.8	12.9	18.2	22	26	22
2B	—	.13	.06	.09	.11	.13	10
2C	—	.15	.10	.14	.17	.19	10
2D	—	.18	.13	.18	.22	.26	11
2E	—	.23	.18	.25	.31	.35	11
2F	211	.28	.27	.39	.47	.55	12
2G	213	.33	.40	.57	.70	.81	12
2H	215	.38	.53	.75	.92	1.1	13
2I	—	.41	.63	.89	1.1	1.3	15
***	***	.43	.71	1.0	1.2	1.4	15
2J	—	.46	.81	1.1	1.4	1.6	15
2K	321	.53	1.1	1.5	1.9	2.2	16
2A	323	.58	1.3	1.8	2.2	2.6	17

RotoClean Insert Kits			Capacity* (liters per minute)				Approx.** Spray Pattern Width (cm) (at 30 cm distance)
For 106A Orifice Insert No. RC-	For 225 Handle/ Orifice Insert No. 26081-	Equiv. Orifice Dia. (mm)	50 bar	100 bar	150 bar	200 bar	
2L	326	.66	1.6	2.3	2.8	3.2	17
2M	331	.79	2.4	3.4	4.2	4.8	17
2N	336	.91	3.2	4.6	5.6	6.4	17
2O	—	1.1	4.8	6.8	8.4	9.7	17
2P	—	1.3	6.4	9.1	11.2	12.9	17
2Q	—	1.4	8.1	11.4	14.0	16.1	17
2R	—	1.6	9.7	13.7	16.7	19.3	17
2T	—	1.8	12.9	18.2	22	26	17
1B	—	.13	.06	.09	.11	.13	7
1D	—	.18	.13	.18	.22	.26	9
1E	—	.23	.18	.25	.31	.35	9
1F	—	.28	.27	.39	.47	.55	10
1G	—	.33	.40	.57	.70	.81	10
1H	—	.38	.53	.75	.92	1.1	11
1I	—	.41	.63	.89	1.1	1.3	12
1J	218	.46	.81	1.1	1.4	1.6	12
1K	221	.53	1.1	1.5	1.9	2.2	13
1A	223	.58	1.3	1.8	2.2	2.6	13
1L	226	.66	1.6	2.3	2.8	3.2	15
1M	231	.79	2.4	3.4	4.2	4.8	15
1N	236	.91	3.2	4.6	5.6	6.4	15
0B	—	.13	.06	.09	.11	.13	6
0D	—	.18	.13	.18	.22	.26	6
0E	—	.23	.18	.25	.31	.35	6
0F	—	.28	.27	.39	.47	.55	7
0G	—	.33	.40	.57	.70	.81	7
0H	—	.38	.53	.75	.92	1.1	8
0I	—	.41	.63	.89	1.1	1.3	10
0J	—	.46	.81	1.1	1.4	1.6	10
0K	—	.53	1.1	1.5	1.9	2.2	10
0A	223	.58	1.3	1.8	2.2	2.6	10
0L	—	.66	1.6	2.3	2.8	3.2	10
0M	—	.79	2.4	3.4	4.2	4.8	10
0N	—	.91	3.2	4.6	5.6	6.4	10

* Tabulated capacities based on water.
** Spray pattern width is based on liquid with viscosity of 20 seconds #4 Zahn Cup...spraying at 1600 psi (110 bar). Coverages will vary with viscosities and pressures.
*** Available on special request.

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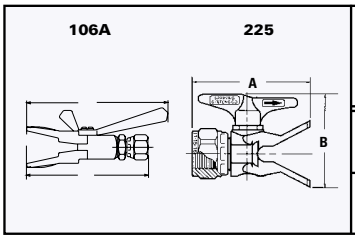
Small Capacity

DIMENSIONS & WEIGHTS



Nozzle Type	A (mm)	B (mm)	Net Weight (kg)
106A	137	54	.24
225	62	51	.12

Based on largest/heaviest version of each type.

ORDERING INFO

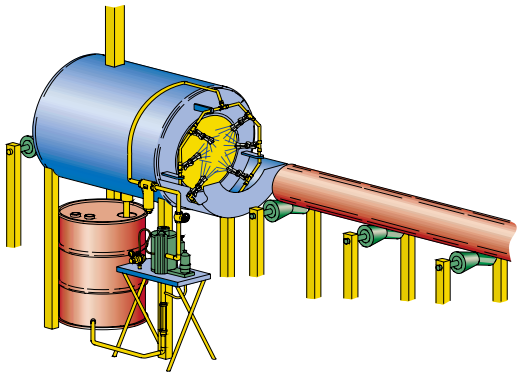
106A ROTOCLEAN COMPLETE SPRAY ATTACHMENT

ROTOCLEAN NUMBER		ORIFICE INSERT KIT	
AA106A	– 2 +	RC	2F

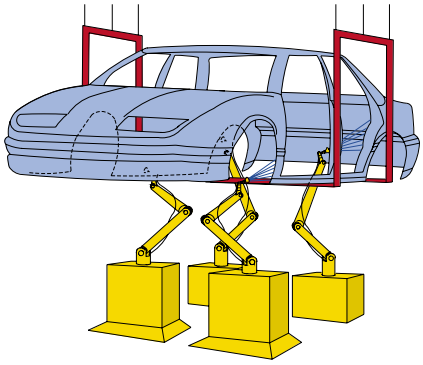
225 ROTOCLEAN COMPLETE SPRAY ATTACHMENT

ROTOCLEAN NUMBER		ORIFICE/HANDLE INSERT KIT	
AA225	– 6 +	26081	– 813

RotoClean Attachments Are Used to Coat Pipes



PVC Sealant Used to Undercoat Car Bodies is Applied by RotoClean Attachments



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VeeJet® Spray Nozzles • Standard Spray
Medium Capacity



H-U



3/4" NPT or BSPT (M)

U



1"-2" NPT or BSPT (M)

ACCESSORIES

- Split-eyelet Connector
- Pressure Gauges
- Adjustable Ball Fittings
- Pressure Relief Valves
- Strainers
- Control Valves
- Check Valves
- Swivel Connectors

See Section L for more info.

DESIGN FEATURES

Standard VeeJet spray nozzles feature a high impact solid stream or flat spray pattern with spray angles of 0° (solid stream) to 110° at 40 psi (3 bar). They produce a uniform distribution of small- to medium-sized drops. Specially tapered spray pattern edges provide even spray coverage when several nozzles with overlapping patterns are required.

- **Model H-U** VeeJet spray nozzles feature flow rates of 1 gpm (3.9 l/min) and greater at 40 psi (3 bar).
- **Model U** VeeJet spray nozzles feature flow rates of 40 gpm (152 l/min) and greater at 40 psi (3 bar).

COMMON APPLICATIONS

- Cooling and quenching
- Product washing
- Water cooling
- Air and gas washers
- Scrubbers
- Liquor washers
- Dust control
- Fire protection

PERFORMANCE DATA

Spray Angle at 40 psi	Nozzle Type/ Inlet Connection				Capacity Size	Equiv. Orifice Dia. (mm)	Capacity (liters per minute)											Spray Angle			
	H-U	U					0.3 bar	1 bar	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	10 bar	20 bar	35 bar	1.5 bar	3 bar	6 bar	14 bar
	3/4	1	1-1/4	2																	
95°	●				400	12.0	50	91	129	158	182	205	225	240	290	410	540	93°	95°	99°	102°
80°	●				200	8.5	25	46	64	79	91	102	112	121	144	205	270	74°	80°	82°	85°
	●				400	12.0	50	91	129	158	182	205	225	240	290	410	540	78°	80°	81°	83°
		●			500	13.4	62	114	161	197	230	255	280	300	360	510	675	78°	80°	81°	83°
		●			580	14.5	72	132	187	230	265	295	325	350	420	590	780	78°	80°	81°	83°
65°	●				200	8.5	25	46	64	79	91	102	112	121	144	205	270	60°	65°	67°	69°
	●				250	9.5	31	57	81	99	114	127	140	151	180	255	335	60°	65°	67°	69°
	●				300	10.4	37	68	97	118	137	153	167	181	215	305	405	60°	65°	67°	69°
	●				400	12.0	50	91	129	158	182	205	225	240	290	410	540	60°	65°	67°	69°
		●	●		500	13.4	62	114	161	197	230	255	280	300	360	510	675	60°	65°	66°	68°
		●			580	14.5	72	132	187	230	265	295	325	350	420	590	780	61°	65°	66°	68°

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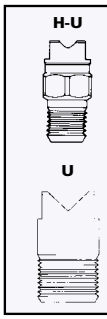
VeeJet® Spray Nozzles • Standard Spray

Medium Capacity

PERFORMANCE DATA

Spray Angle at 3 bar	Nozzle Type/ Inlet Connection				Capacity Size	Equiv. Orifice Dia. (mm)	Capacity (liters per minute)											Spray Angle			
	H-U	U					0.3 bar	1 bar	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	10 bar	20 bar	35 bar	1.5 bar	3 bar	6 bar	14 bar
	3/4	1	1-1/4	2																	
50°	●				400	12.0	50	91	129	158	182	205	225	240	290	410	540	46°	50°	52°	55°
		●	●		500	13.4	62	114	161	197	230	255	280	300	360	510	680	49°	50°	51°	54°
		●			580	14.5	72	132	187	230	265	295	325	350	420	600	780	49°	50°	51°	53°
			●		750	16.4	94	171	240	295	340	385	420	455	540	770	1010	49°	50°	51°	53°
			●		1000	19.0	125	230	325	395	455	510	560	610	720	1020	1350	49°	50°	51°	53°
				●	1500	23.2	187	340	485	600	690	770	840	910	1080	1530	2020	49°	50°	51°	52°
				●	2000	26.8	250	460	650	790	910	1020	1120	1210	1440	2040	2700	49°	50°	51°	52°
40°		●			500	13.4	62	114	161	197	230	255	280	300	360	510	675	36°	40°	41°	43°
25°		●	●		500	13.4	62	114	161	197	230	255	280	300	360	510	680	24°	25°	26°	29°
			●		750	16.4	94	171	240	295	340	385	420	455	540	770	1010	24°	25°	26°	28°
			●		1000	19.0	125	230	325	395	455	510	560	610	720	1020	1350	24°	25°	26°	28°
15°	●				250	13.4	31	57	81	99	114	127	140	151	180	255	340	14°	15°	16°	17°
			●		500	19.0	62	114	161	197	230	255	280	300	360	510	680	14°	15°	16°	17°
			●		1000	9.5	125	230	325	395	455	510	560	610	720	1020	1350	14°	15°	16°	17°
00°	●				350	11.1	44	80	113	138	160	178	195	210	255	360	475	00° Solid Stream			
		●			570	14.2	71	130	184	225	260	290	320	345	410	580	770				
	●				700	15.7	87	160	225	275	320	355	390	420	510	720	950				
		●			1000	18.8	125	230	325	395	460	510	560	610	720	1020	1350				
		●			1100	19.7	140	255	355	435	500	560	620	670	790	1120	1490				
			●		1400	22.2	175	320	455	560	640	720	780	850	1010	1430	1890				
			●		1800	25.2	225	410	580	710	820	920	1010	1090	1300	1840	2430				
				●	2000	26.5	250	460	650	790	910	1020	1120	1210	1440	2040	2700				
				●	3500	35.1	440	800	1130	1380	1600	1790	1960	2110	2520	3570	4720				

DIMENSIONS & WEIGHTS



Nozzle Type (Conn.)	Nozzle Inlet Conn. NPT or BSPT	Length (mm)	Hex. (mm)	Net Weight (kg)
H-U (M)	3/4	51	27	.14
U (M)	1	64	33.3	.26
	1-1/4	95	42.9	.57
	2	127	60.3	1.9

Mesh Selection Guide	
Orifice Dia.	Recommended Screen Mesh
Up through .018" (.46 mm)	200
.019" (.47 mm) through .031" (.79 mm)	100
.032" (.80 mm) and larger	50

Based on largest/heaviest version of each type.

VeeJet® Spray Nozzles • Standard Spray
Medium Capacity

MATERIALS

Material	Material Code	Nozzle Type	
		H-U	U
Brass	(none)	●	●
Mild Steel	I	●	●
303 Stainless Steel	SS	●	●
316 Stainless Steel	316SS	●	
Polyvinyl Chloride	PVC	●	

Other materials available upon request.

ORDERING INFO

STANDARD SPRAY NOZZLE

H	3/4	U	–	SS	95	400
Nozzle Prefix	Inlet Conn.	Nozzle Type		Material Code	Spray Angle	Capacity Size

STANDARD SPRAY NOZZLE

1	U	–	SS	50	500
Inlet Conn.	Nozzle Type		Material Code	Spray Angle	Capacity Size



Medium capacity VeeJet nozzles are used to clean general aviation aircraft.

FloodJet® Spray Nozzles • Wide Angle Spray

Medium Capacity



K



3/4"-1" NPT or BSPT (M)

DESIGN FEATURES

FloodJet spray nozzles feature a wide angle flat spray pattern with medium impact. They produce uniform spray distributions of medium-sized drops.

A round orifice and large, unobstructed flow passages minimize clogging problems.

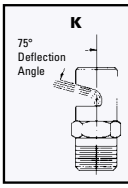
FloodJet nozzles are also suitable for use with air and steam. All FloodJet nozzles offer a precision-machined deflector surface which provides dependable, accurate control of deflection and spray angle.

PERFORMANCE DATA

LIQUID

Nozzle Inlet Conn. NPT or BSPT (M)		Capacity Size	Orifice Dia. Nom. (mm)	Capacity (liters per minute)									Spray Angle		
3/4	1			0.2 bar	0.3 bar	0.5 bar	0.7 bar	1 bar	1.5 bar	2 bar	3 bar	4 bar	0.5 bar	1.5 bar	4 bar
●		90	8.1	18.3	22	29	34	41	50	58	71	82	120°	133°	140°
●		100	8.5	20	25	32	38	46	56	64	79	91	123°	136°	145°
●		110	8.9	22	27	35	42	50	61	71	87	100	125°	138°	148°
●		120	9.3	24	30	39	46	55	67	77	95	109	129°	143°	150°
●		140	10.0	29	35	45	53	64	78	90	111	128	118°	127°	135°
●		160	10.7	33	40	52	61	73	89	103	126	146	121°	130°	137°
●		180	11.4	37	45	58	69	82	100	116	142	164	124°	133°	139°
●		210	12.3	43	52	68	80	96	117	135	166	191	128°	139°	145°
	●	300	14.8	61	75	97	114	137	167	193	235	275	110°	128°	135°
	●	450	18.0	92	112	145	172	205	250	290	355	410	118°	132°	138°

DIMENSIONS & WEIGHTS



Nozzle Type (Conn.)	Nozzle Inlet Conn. NPT or BSPT	Length (mm)	Hex. (mm)	Net Weight (kg)
K (M)	3/4	65.1	38.1	.40
	1	92.1	47.6	.91

Based on largest/heaviest version of each type.

MATERIALS

Material	Material Code	Nozzle Type K
Brass	(none)	●
303 Stainless Steel	SS	●
Polyvinyl Chloride	PVC	●

Other materials available upon request.

ORDERING INFO

STANDARD SPRAY NOZZLE

3/4	K	–	SS	90
Inlet Conn.	Nozzle Type		Material Code	Capacity Size

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Special Purpose Flat Spray Nozzles
UniJet® Tungsten Carbide Spray Tips
For Robotic Spray Applications

ROBTC



UniJet flat spray tip tungsten carbide orifice with self-aligning flange flats

ROBTC



UniJet solid stream spray tip tungsten carbide orifice without flange flats solid stream

COMMON APPLICATIONS

- Application of adhesives, sealants, and coatings (sound insulation) in the automotive industry

FOR MORE UNIJET SYSTEM INFO SEE SECTION A

DESIGN FEATURES

Robotic spray applications require a higher degree of precision than standard industrial spray applications, due to the spray accuracy of the machinery used and the speed at which they operate. Our new line of tungsten carbide UniJet spray tips has been specifically designed for these critical applications. Manufactured to exacting standards and individually tested to precise specifications, the Robotic TC tips provide exceptional performance.

The Robotic tips are available in solid stream or flat spray angles of 5°, 80°, 95°, and 110°. They feature a tungsten carbide orifice insert for maximum erosion resistance and wear life. The tip orifice is recessed in a solid stainless steel body to help protect the orifice against damage. Tips are designed to operate at a maximum pressure of 4000 psi (275 bar).

The solid stream (0°) tips provide glass-rod like spray performance while the flat spray tips produce a uniform spray distribution of small drops for even coverage. Our exclusive, patented airflow channel design minimizes the formation of heavy spray pattern edges. In addition, spray pattern edges are feathered to provide uniform coverage when overlaid with additional spray passes.

For easy alignment of the spray pattern, milled flats have been added to the flat spray tip body that are parallel to the spray pattern for quick visual alignment.

PERFORMANCE DATA

Spray Angle at 3 bar	Capacity Size	Equiv.* Orifice Dia. (mm)	Capacity** (liters per minute)								Spray*** Pattern Range (at 30 cm distance)
			25 bar	50 bar	75 bar	100 bar	150 bar	200 bar	250 bar	275 bar	
110°	0067-ROBTC	.53	.76	1.08	1.3	1.5	1.9	2.2	2.4	2.5	53.3-55.9
	0080-ROBTC	.58	.91	1.3	1.6	1.8	2.2	2.6	2.9	3.0	54.6-57.2
	01-ROBTC	.66	1.1	1.6	2.0	2.3	2.8	3.2	3.6	3.8	59.7-62.2
	015-ROBTC	.79	1.7	2.4	3.0	3.4	4.2	4.8	5.4	5.7	63.5-66.0
	02-ROBTC	.91	2.3	3.2	3.9	4.6	5.6	6.4	7.2	7.6	66.0-68.6
95°	0080-ROBTC	.58	.91	1.3	1.6	1.8	2.2	2.6	2.9	3.0	49.5-52.1
	02-ROBTC	.91	2.3	3.2	3.9	4.6	5.6	6.4	7.2	7.6	54.6-57.2

* Actual orifice diameter shown for solid stream tips.
** Tabulated capacities based on water.
*** Spray pattern width is based on liquid with viscosity of 20 seconds #4 Zahn Cup...spraying at 1600 psi (110 bar). Coverages will vary with viscosities and pressures.

Special Purpose Flat Spray Nozzles
UniJet® Tungsten Carbide Spray Tips
For Robotic Spray Applications

PERFORMANCE DATA

Spray Angle at 3 bar	Capacity Size	Equiv.* Orifice Dia. (mm)	Capacity** (liters per minute) 25 bar	50 bar	75 bar	100 bar	150 bar	200 bar	250 bar	275 bar	Spray*** Pattern Range (at 30 cm distance)
80°	0044-ROBTC	.43	.50	.71	.87	1.0	1.2	1.4	1.6	1.7	36.8-39.4
	0050-ROBTC	.46	.57	.81	.99	1.1	1.4	1.6	1.8	1.9	38.1-41.0
	0055-ROBTC	.48	.63	.89	1.1	1.3	1.5	1.8	2.0	2.1	36.8-39.4
	0067-ROBTC	.53	.76	1.08	1.3	1.5	1.9	2.2	2.4	2.5	43.2-46.0
	0080-ROBTC	.58	.91	1.3	1.6	1.8	2.2	2.6	2.9	3.0	43.2-46.0
	01-ROBTC	.66	1.1	1.6	2.0	2.3	2.8	3.2	3.6	3.8	47.0-49.5
	015-ROBTC	.79	1.7	2.4	3.0	3.4	4.2	4.8	5.4	5.7	47.0-49.5
	02-ROBTC	.91	2.3	3.2	3.9	4.6	5.6	6.4	7.2	7.6	47.0-49.5
65°	0044-ROBTC	.43	.50	.71	.87	1.0	1.2	1.4	1.6	1.7	32.0-34.3
	0050-ROBTC	.46	.57	.81	.99	1.1	1.4	1.6	1.8	1.9	32.0-34.3
	0055-ROBTC	.48	.63	.89	1.1	1.3	1.5	1.8	2.0	2.1	32.0-34.3
	0067-ROBTC	.53	.76	1.08	1.3	1.5	1.9	2.2	2.4	2.5	36.8-39.4
	0080-ROBTC	.58	.91	1.3	1.6	1.8	2.2	2.6	2.9	3.0	36.8-39.4
	01-ROBTC	.66	1.1	1.6	2.0	2.3	2.8	3.2	3.6	3.8	41.0-43.2
	015-ROBTC	.79	1.7	2.4	3.0	3.4	4.2	4.8	5.4	5.7	39.4-42.0
	02-ROBTC	.91	2.3	3.2	3.9	4.6	5.6	6.4	7.2	7.6	38.1-41.0
	03-ROBTC	1.1	3.4	4.8	5.9	6.8	8.4	9.7	10.8	11.3	39.4-42.0
50°	0044-ROBTC	.43	.50	.71	.87	1.0	1.2	1.4	1.6	1.7	27.0-29.2
	0050-ROBTC	.46	.57	.81	.99	1.1	1.4	1.6	1.8	1.9	27.0-29.2
	0055-ROBTC	.48	.63	.89	1.1	1.3	1.5	1.8	2.0	2.1	27.0-29.2
	0067-ROBTC	.53	.76	1.08	1.3	1.5	1.9	2.2	2.4	2.5	32.0-34.3
	0080-ROBTC	.58	.91	1.3	1.6	1.8	2.2	2.6	2.9	3.0	32.0-34.3
	01-ROBTC	.66	1.1	1.6	2.0	2.3	2.8	3.2	3.6	3.8	34.3-36.8
	02-ROBTC	.79	2.3	3.2	3.9	4.6	5.6	6.4	7.2	7.6	34.3-36.8
	03-ROBTC	1.1	3.4	4.8	5.9	6.8	8.4	9.7	10.8	11.3	34.3-36.8
40°	0044-ROBTC	.43	.50	.71	.87	1.0	1.2	1.4	1.6	1.7	22.0-24.1
	0050-ROBTC	.46	.57	.81	.99	1.1	1.4	1.6	1.8	1.9	22.0-24.1
	0055-ROBTC	.48	.63	.89	1.1	1.3	1.5	1.8	2.0	2.1	22.0-24.1
	01-ROBTC	.66	1.1	1.6	2.0	2.3	2.8	3.2	3.6	3.8	29.2-32.0
	015-ROBTC	.79	1.7	2.4	3.0	3.4	4.2	4.8	5.4	5.7	29.2-32.0
	02-ROBTC	.91	2.3	3.2	3.9	4.6	5.6	6.4	7.2	7.6	29.2-32.0
25°	0039-ROBTC	.41	.44	.63	.77	.89	1.1	1.3	1.4	1.5	17.0-19.1
	0055-ROBTC	.48	.63	.89	1.1	1.3	1.5	1.8	2.0	2.1	19.1-22.0
	0080-ROBTC	.58	.91	1.3	1.6	1.8	2.2	2.6	2.9	3.0	22.0-24.1
	015-ROBTC	.79	1.7	2.4	3.0	3.4	4.2	4.8	5.4	5.7	24.1-27.0
	02-ROBTC	.91	2.3	3.2	3.9	4.6	5.6	6.4	7.2	7.6	22.0-24.1

* Actual orifice diameter shown for solid stream tips.
** Tabulated capacities based on water.
*** Spray pattern width is based on liquid with viscosity of 20 seconds #4 Zahn Cup...spraying at 1600 psi (110 bar). Coverages will vary with viscosities and pressures.

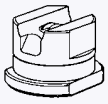
Special Purpose Flat Spray Nozzles
UniJet® Tungsten Carbide Spray Tips
For Robotic Spray Applications

PERFORMANCE DATA

Spray Angle at 3 bar	Capacity Size	Equiv.* Orifice Dia. (mm)	Capacity** (liters per minute) 25 bar	50 bar	75 bar	100 bar	150 bar	200 bar	250 bar	275 bar	Spray*** Pattern Range (at 30 cm distance)
5°	0011-ROBTC	.23	.13	.18	.22	.25	.31	.35	.40	.42	5.1-8.0
	0039-ROBTC	.41	.44	.63	.77	.89	1.1	1.3	1.4	1.5	10.2-12.7
	0044-ROBTC	.43	.50	.71	.87	1.0	1.2	1.4	1.6	1.7	10.2-12.7
	0050-ROBTC	.46	.57	.81	.99	1.1	1.4	1.6	1.8	1.9	10.2-12.7
	0055-ROBTC	.48	.63	.89	1.1	1.3	1.5	1.8	2.0	2.1	10.2-12.7
	0067-ROBTC	.53	.76	1.08	1.3	1.5	1.9	2.2	2.4	2.5	10.2-12.7
	0080-ROBTC	.58	.91	1.3	1.6	1.8	2.2	2.6	2.9	3.0	12.7-15.2
	01-ROBTC	.66	1.1	1.6	2.0	2.3	2.8	3.2	3.6	3.8	12.7-15.2
	015-ROBTC	.79	1.7	2.4	3.0	3.4	4.2	4.8	5.4	5.7	14.0-17.0
	02-ROBTC	.91	2.3	3.2	3.9	4.6	5.6	6.4	7.2	7.6	14.0-17.0
	03-ROBTC	1.1	3.4	4.8	5.9	6.8	8.4	9.7	10.8	11.3	14.0-17.0
00° Solid Stream	009-ROBTC	.66	.97	1.4	1.7	1.9	2.4	2.7	3.1	3.2	—
	01-ROBTC	.71	1.4	1.9	2.4	2.7	3.4	3.9	4.3	4.5	—
	02-ROBTC	.99	2.6	3.7	4.5	5.2	6.4	7.4	8.3	8.7	—
	03-ROBTC	1.1	3.2	4.5	5.5	6.4	7.8	9.0	10.1	10.6	—
	04-ROBTC	1.3	4.9	6.9	8.5	9.8	12.0	13.9	15.5	16.3	—
	05-ROBTC	1.4	5.5	7.7	9.5	10.9	13.4	15.5	17.3	18.1	—
	06-ROBTC	1.6	6.8	9.7	11.8	13.7	16.8	19.3	21.6	22.7	—

* Actual orifice diameter shown for solid stream tips.
** Tabulated capacities based on water.
*** Spray pattern width is based on liquid with viscosity of 20 seconds #4 Zahn Cup...spraying at 1600 psi (110 bar). Coverages will vary with viscosities and pressures.

DIMENSIONS & WEIGHTS

ROBTC	Nozzle Type	Length (mm)	Dia. (mm)	Net Weight (kg)
	ROBTC	13	15.1	.01

Based on largest/heaviest version of each type.

ORDERING INFO

UNIJET COMPLETE NOZZLE

TP 00 01 – ROBTC

Tip Code	Spray Angle	Capacity Size	Tip Type

Spraying Systems Co.®
Phone 1-800-95-SPRAY, Fax 1-888-95-SPRAY
Outside the U.S., Phone 1(630) 665-5000, Fax 1(630) 260-0842
Visit our Web Site: www.spray.com, email: info@spray.com

Special Purpose Flat Spray Nozzles

HV



HV orifice for
UniJet® TC nozzle spray tips

23825



1/4"-1/2" NPT or BSPT (M)

DESIGN FEATURES

Model HV orifices are useful in applications requiring a fine finish. They provide a flat spray pattern with more complete feathering of the spray pattern edges.

HV orifices fit at the inlet of UniJet TC spray tips. They feature a tungsten carbide orifice insert mounted in a nylon orifice holder, which serves as a gasket.

For more information on UniJet TC Tips, see page 175.

Abrasion-resistant **Model UniJet 23825** spray nozzle with ceramic tip insert is ideal for seal coating of parking lots, driveways, and highways.

The nozzle body and cap are brass. A Buna-N® gasket provides a tight seal.

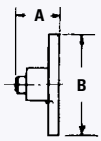
Request Data Sheet 23825.

PERFORMANCE DATA

HV

Capacity Size	Used With TC Tip	
	Tip Type	Equiv. Orifice Dia. (mm)
8	-0008TC	.18
10	-0011TC	.23
12	-0017TC	.28
14	-0025TC	.33
16	-0033TC	.38
17	-0039TC	.41
19	-0050TC	.46
22	-0067TC	.53
24	-0080TC	.58
27	-01TC	.66

DIMENSIONS

HV ORIFICE 	Nozzle Type	A (mm)	B (mm)
	HV ORIFICE	6.35	15.1

ORDERING INFO

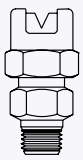
COMPLETE ORIFICE INSERT
HV – 8
Orifice Type | Capacity Size

PERFORMANCE DATA

23825

Spray Angle at 3 bar	Inlet Conn. NPT or BSPT (M)	Capacity Size	Capacity (liters per minute)
			3 bar
80°	1/4	50	19.7
	3/8	50	19.7
		70	28
		100	39
	1/2	50	19.7
		70	28
		100	39

DIMENSIONS & WEIGHTS

23825 	Nozzle Type (Conn.)	Length (mm)	Hex. (mm)	Net Weight (kg)
	23825 (M)	48	20.6	.08

Based on largest/heaviest version of each type.

ORDERING INFO

UNIJET COMPLETE NOZZLE
23825 – 1/4 – CER – 80 50
Nozzle Type | Inlet Conn. | Material Code | Spray Angle | Capacity Size

Spraying Systems Co.®
Phone 1-800-95-SPRAY, Fax 1-888-95-SPRAY
Outside the U.S., Phone 1(630) 665-5000, Fax 1(630) 260-0842
Visit our Web Site: www.spray.com, email: info@spray.com

Special Purpose Flat Spray Nozzles
Jet Stabilizers
For Reduced Spray Turbulence

11370

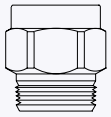
DESIGN FEATURES



Jet Stabilizer

Jet Stabilizers increase spray projection distance and spray impact on flat spray nozzles. When nozzles are mounted in tees, manifolds, or elbows, internal flow turbulence is created when the liquid turns the corner and enters the nozzle. This turbulence can significantly distort spray pattern uniformity. Jet Stabilizers minimize turbulence and increase spray distance and impact by concentrating the spray into a thinner, steadier pattern.

DIMENSIONS & WEIGHTS

11370	Inlet Conn. NPT or BSPT (M)	Conn. for Nozzle NPT or BSPT (F)	Length (mm)	Hex. (mm)	Net Weight (kg)
	1/8	1/8	19	12.7	.01
	1/4	1/4	24	15.9	.01
	3/8	3/8	27	21	.03
	1/2	1/2	32	25.4	.05
	3/4	3/4	38	31.8	.10
	1	1	46	38.1	.18
	1-1/4	1-1/4	57	47.6	.33

Based on largest/heaviest version of each type.

MATERIALS

Material	Material Code	Nozzle Type
		11370
Brass	(none)	•
303 Stainless Steel	SS	•

ORDERING INFO

JET STABILIZER

11370 – SS – 1/8X1/8

Stabilizer Type	Material Code	Conn. Size