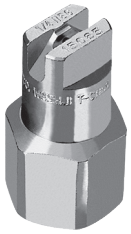
Features and Benefits

- High pressure, high impact solid stream (0°) or flat fan spray pattern.
- Medium-sized drops.
- Spray angles of 5° to 65° at operating pressures from 300 to 4000 psi (20 to 275 bar).
- Uniform distribution by using internal guide vane to stabilize liquid turbulence.
- Quick visual reference for spray alignment with milled side flats.
- Longer wear life and flow control accuracy with especially hardened stainless steel construction.
- **Key feature overview for WashJet nozzles:**
  - MEG – Spray angles of 0° to 65°.
  - WEG – Spray angles of 0° to 65°.
  - MEG-SSTC – Maximum erosion resistance with tungsten carbide orifice inserts and spray angles of 0° to 65°.
  - 23990 – Additional exterior protection provided by a nylon outer covering. Spray angles of 0° to 80°.
  - 48099 – Adjustable from 0° to 80° to 3000 psi (200 bar) and an orifice of hardened stainless steel for wear resistance and long life. Solid brass or stainless steel cap.
  - 24055 – Adjustable high/low provides two pressure settings by sliding a valve and adjustable spray angles from up to 80° by rotating outer cover.
  - IMEG® – Optimized fluid dynamics to minimize turbulence and maximize spray performance with our patented design and superior chemical/corrosion resistance provided by a hardened shield. Spray angles of 0° to 80°.

MEG

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

WEG



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

MEG-SSTC

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

23990

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

48099

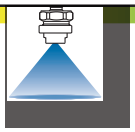
1/8" to 1/4" NPT or BSPT (F)

24055

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

IMEG

High 4000 psi (275 bar)
max. pressure
1/8" to 1/4" NPT or BSPT (M)



Optimization Tips

• See page C2 for optimization tips.

Applications

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

See Also

- Accessories
  - – Swivel connectors
- Extensions
- Hand guns
- High pressure automatic guns

Performance Data

*At the stated pressure in bar.

Nozzle Type and Spray Angle																				Capacity Size	Capacity (liters per minute)*										
1/8 MEG							1/4 MEG							1/4 MEG-SSTC																	
0°†	5°	15°	25°	40°	50°	65°	0°†	5°	15°	25°	40°	50°	65°	0°†	5°	15°	25°	40°	50°	65°		20	25	35	40	45	60	80	100	140	170	200
									●					●		●			●		01	1.0	1.1	1.3	1.4	1.5	1.8	2.0	2.3	2.7	3.0	3.2
									●												015	1.5	1.7	2.0	2.2	2.3	2.6	3.1	3.4	4.0	4.5	4.8
●	●	●	●	●			●	●	●	●	●		●	●		●		●	●		02	2.0	2.3	2.7	2.9	3.1	3.5	4.1	4.6	5.4	5.9	6.4
													●								025	2.5	2.8	3.4	3.6	3.8	4.4	5.1	5.7	6.7	7.4	8.1
●		●	●	●	●		●	●	●	●	●	●	●	●		●			●	●	03	3.1	3.4	4.0	4.3	4.6	5.3	6.1	6.8	8.1	8.9	9.7
							●		●	●	●										035	3.6	4.0	4.7	5.0	5.4	6.2	7.1	8.0	9.4	10.4	11.3
●		●	●	●	●	●	●	●	●	●	●	●	●	●		●	●		●	●	04	4.1	4.6	5.4	5.8	6.1	7.1	8.2	9.1	10.8	11.9	12.9
●		●	●	●		●	●		●	●	●		●			●	●				045	4.6	5.1	6.1	6.5	6.9	7.9	9.2	10.3	12.1	13.4	14.5
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●		05	5.1	5.7	6.7	7.2	7.6	8.8	10.2	11.4	13.5	14.9	16.1
●		●	●	●	●	●	●	●	●	●	●	●	●	●		●	●				055	5.6	6.3	7.4	7.9	8.4	9.7	11.2	12.5	14.8	16.3	17.7
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●			06	6.1	6.8	8.1	8.6	9.2	10.6	12.2	13.7	16.2	17.8	19.3
●		●	●	●			●		●	●	●		●								065	6.6	7.4	8.8	9.4	9.9	11.5	13.3	14.8	17.5	19.3	21
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●		07	7.1	8.0	9.4	10.1	10.7	12.4	14.3	16.0	18.9	21	23
●		●	●	●			●		●	●	●										075	7.6	8.5	10.1	10.8	11.5	13.2	15.3	17.1	20	22	24
●		●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●		●	08	8.2	9.1	10.8	11.5	12.2	14.1	16.3	18.2	22	24	26
●		●	●	●			●		●	●	●										085	8.7	9.7	11.5	12.3	13.0	15.0	17.3	19.4	23	25	27
●		●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●		●	09	9.2	10.3	12.1	13.0	13.8	15.9	18.3	21	24	27	29
		●	●				●			●											095	9.7	10.8	12.8	13.7	14.5	16.8	19.4	22	26	28	31
●		●	●	●	●	●	●		●	●	●	●	●	●		●	●				10	10.2	11.4	13.5	14.4	15.3	17.7	20	23	27	30	32
●			●				●		●	●	●										11	11.2	12.5	14.8	15.9	16.8	19.4	22	25	30	33	35
●		●	●																		115	11.7	13.1	15.5	16.6	17.6	20	23	26	31	34	37
●				●			●	●	●	●	●	●	●			●					12	12.2	13.7	16.2	17.3	18.3	21	24	27	32	36	39
●							●		●	●	●										125	12.7	14.2	16.9	18.0	19.1	22	25	28	34	37	40

†0° = Solid Stream.

Performance Data

*At the stated pressure in bar.

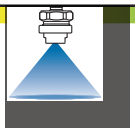
Nozzle Type and Spray Angle																				Capacity Size	Capacity (liters per minute)*										
1/8 MEG							1/4 MEG							1/4 MEG-SSTC																	
0°†	5°	15°	25°	40°	50°	65°	0°†	5°	15°	25°	40°	50°	65°	0°†	5°	15°	25°	40°	50°	65°		20	25	35	40	45	60	80	100	140	170	200
●							●		●	●	●										13	13.3	14.8	17.5	18.7	19.9	23	27	30	35	39	42
	●								●	●											14	14.3	16.0	18.9	20	21	25	29	32	38	42	45
●		●	●				●	●	●	●	●	●	●	●		●		●		●	15	15.3	17.1	20	22	23	26	31	34	40	45	48
		●					●		●												16	16.3	18.2	22	23	24	28	33	36	43	48	52
							●		●	●	●			●							18	18.3	21	24	26	28	32	37	41	49	53	58
●							●	●	●	●	●	●	●	●							20	20	23	27	29	31	35	41	46	54	59	64
							●	●	●	●	●										25	25	28	34	36	38	44	51	57	67	74	81
							●	●	●	●	●		●								30	31	34	40	43	46	53	61	68	81	89	97
							●		●	●	●										35	36	40	47	50	54	62	71	80	94	104	113
							●	●	●	●	●										40	41	46	54	58	61	71	82	91	108	119	129
							●		●	●	●										50	51	57	67	72	76	88	102	114	135	149	161
							●		●	●	●										60	61	68	81	86	92	106	122	137	162	178	193
							●														70	71	80	94	101	107	124	143	160	189	208	226
							●														80	82	91	108	115	122	141	163	182	216	238	258
							●														90	92	103	121	130	138	159	183	205	243	267	290

†0° = Solid Stream.

*At the stated pressure in bar.

Nozzle Type and Spray Angle														Capacity Size	Capacity (liters per minute)*										
1/8 WEG							1/4 WEG																		
0°†	5°	15°	25°	40°	50°	65°	0°†	5°	15°	25°	40°	50°	65°		20	25	35	40	45	60	80	100	140	170	200
		●	●	●										03	3.1	3.4	4.0	4.3	4.6	5.3	6.1	6.8	8.1	8.9	9.7
●		●	●	●	●	●	●		●	●	●		●	04	4.1	4.6	5.4	5.8	6.1	7.1	8.2	9.1	10.8	11.9	12.9
		●	●	●					●	●	●			045	4.6	5.1	6.1	6.5	6.9	7.9	9.2	10.3	12.1	13.4	14.5
●		●	●	●	●	●	●		●	●	●	●	●	05	5.1	5.7	6.7	7.2	7.6	8.8	10.2	11.4	13.5	14.9	16.1
●		●	●	●	●	●	●		●	●				055	5.6	6.3	7.4	7.9	8.4	9.7	11.2	12.5	14.8	16.3	17.7
●		●	●	●	●	●	●		●	●	●			06	6.1	6.8	8.1	8.6	9.2	10.6	12.2	13.7	16.2	17.8	19.3
				●					●					065	6.6	7.4	8.8	9.4	9.9	11.5	13.3	14.8	17.5	19.3	21
●		●	●	●	●	●	●		●	●	●		●	07	7.1	8.0	9.4	10.1	10.7	12.4	14.3	16.0	18.9	21	23
●		●	●	●	●	●	●		●	●	●			08	8.2	9.1	10.8	11.5	12.2	14.1	16.3	18.2	22	24	26
●		●	●	●										085	8.7	9.7	11.5	12.3	13.0	15.0	17.3	19.4	23	25	27
●		●	●	●	●	●	●		●	●	●			09	9.2	10.3	12.1	13.0	13.8	15.9	18.3	21	24	27	29
			●											095	9.7	10.8	12.8	13.7	14.5	16.8	19.4	22	26	28	31
●		●	●	●	●	●	●		●	●	●			10	10.2	11.4	13.5	14.4	15.3	17.7	20	23	27	30	32
							●							15	15.3	17.1	20	22	23	26	31	34	40	45	48
		●												16	16.3	18.2	22	23	24	28	33	36	43	48	52
●														20	20	23	27	29	31	35	41	46	54	59	64
							●							30	31	34	40	43	46	53	61	68	81	89	97

†0° = Solid Stream.



Performance Data

23990 and 48099

*At the stated pressure in bar.

Capacity Size	Capacity (liters per minute)*								
	20	35	45	60	80	100	140	170	200
02	2.0	2.7	3.1	3.5	4.1	4.6	5.4	5.9	6.4
03	3.1	4.0	4.6	5.3	6.1	6.8	8.1	8.9	9.7
035	3.6	4.7	5.4	6.2	7.1	8.0	9.4	10.4	11.3
04	4.1	5.4	6.1	7.1	8.2	9.1	10.8	11.9	12.9
045	4.6	6.1	6.9	7.9	9.2	10.3	12.1	13.4	14.5
05	5.1	6.7	7.6	8.8	10.2	11.4	13.5	14.9	16.1
055	5.6	7.4	8.4	9.7	11.2	12.5	14.8	16.3	17.7
06	6.1	8.1	9.2	10.6	12.2	13.7	16.2	17.8	19.3
065	6.6	8.8	9.9	11.5	13.3	14.8	17.5	19.3	21
07	7.1	9.4	10.7	12.4	14.3	16.0	18.9	21	23
075	7.6	10.1	11.5	13.2	15.3	17.1	20	22	24
08	8.2	10.8	12.2	14.1	16.3	18.2	22	24	26
085	8.7	11.5	13.0	15.0	17.3	19.4	23	25	27
09	9.2	12.1	13.8	15.9	18.3	21	24	27	29
095	9.7	12.8	14.5	16.8	19.4	22	26	28	31
10	10.2	13.5	15.3	17.7	20	23	27	30	32
11	11.2	14.8	16.8	19.4	22	25	30	33	35
12	12.2	16.2	18.3	21	24	27	32	36	39
14	14.3	18.9	21	25	29	32	38	42	45
16	16.3	22	24	28	33	36	43	48	52
18	18.3	24	28	32	37	41	49	53	58
20	20	27	31	35	41	46	54	59	64
22	22	30	34	39	45	50	59	65	71

24055

*At the stated pressure in bar.

Capacity Size	Capacity High Pressure Setting (liters per minute)*						
	35	40	45	60	80	100	140
02	2.7	2.9	3.1	3.5	4.1	4.6	5.4
03	4.0	4.3	4.6	5.3	6.1	6.8	8.1
035	4.7	5.0	5.4	6.2	7.1	8.0	9.4
04	5.4	5.8	6.1	7.1	8.2	9.1	10.8
045	6.1	6.5	6.9	7.9	9.2	10.3	12.1
05	6.7	7.2	7.6	8.8	10.2	11.4	13.5
055	7.4	7.9	8.4	9.7	11.2	12.5	14.8
06	8.1	8.6	9.2	10.6	12.2	13.7	16.2
065	8.8	9.4	9.9	11.5	13.3	14.8	17.5
07	9.4	10.1	10.7	12.4	14.3	16.0	18.9
075	10.1	10.8	11.5	13.2	15.3	17.1	20
08	10.8	11.5	12.2	14.1	16.3	18.2	22
10	13.5	14.4	15.3	17.7	20	23	27

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

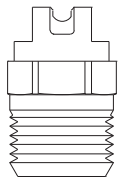
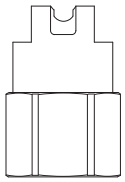
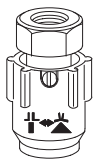
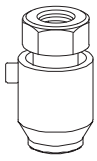
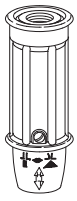
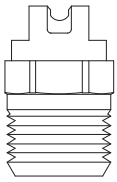
*Capacity at low pressure setting is equivalent to a –20 capacity nozzle.

IMEG®

*At the stated pressure in bar.

Inlet Conn. (in.)	Spray Angle at 3 bar								Capacity Size	Capacity (liters per minute)*												
	5°	10°	15°	25°	40°	50°	65°	80°		20	25	35	40	45	60	80	100	140	170	200	250	275
1/8, 1/4	●	●	●	●	●	●	●	●	03	3.1	3.4	4.0	4.3	4.6	5.3	6.1	6.8	8.1	8.9	9.7	10.8	11.3
	●	●	●	●	●	●	●	●	035	3.6	4.0	4.7	5.0	5.4	6.2	7.1	8.0	9.4	10.4	11.3	12.6	13.2
	●	●	●	●	●	●	●	●	04	4.1	4.6	5.4	5.8	6.1	7.1	8.2	9.1	10.8	11.9	12.9	14.4	15.1
	●	●	●	●	●	●	●	●	045	4.6	5.1	6.1	6.5	6.9	7.9	9.2	10.3	12.1	13.4	14.5	16.2	17.0
	●	●	●	●	●	●	●	●	05	5.1	5.7	6.7	7.2	7.6	8.8	10.2	11.4	13.5	14.9	16.1	18.0	18.9
	●	●	●	●	●	●	●	●	055	5.6	6.3	7.4	7.9	8.4	9.7	11.2	12.5	14.8	16.3	17.7	19.8	21
	●	●	●	●	●	●	●	●	06	6.1	6.8	8.1	8.6	9.2	10.6	12.2	13.7	16.2	17.8	19.3	22	23
	●	●	●	●	●	●	●	●	065	6.6	7.4	8.8	9.4	9.9	11.5	13.3	14.8	17.5	19.3	21	23	25
	●	●	●	●	●	●	●	●	07	7.1	8.0	9.4	10.1	10.7	12.4	14.3	16.0	18.9	21	23	25	26
	●	●	●	●	●	●	●	●	075	7.6	8.5	10.1	10.8	11.5	13.2	15.3	17.1	20	22	24	27	28
	●	●	●	●	●	●	●	●	08	8.2	9.1	10.8	11.5	12.2	14.1	16.3	18.2	22	24	26	29	30

Dimensions and Weights

Standard	Nozzle Type	Inlet Conn. (in.)	Length (mm)	Hex. (mm)	Flats (mm)	Dia. (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
	SS	1/8	25	14.3	–	–	.02
	WEG (F)	1/8	25	12.7	7.9	–	.02
		1/4	29	15.9	7.9	–	.03
	23990 (F)	1/8	48	22.2	–	30.2	.09
		1/4	48	22.2	–	30.2	.09
	48099 (F)	1/8	48	22.2	–	30.2	.14
		1/4	48	22.2	–	30.2	.14
	24055 (F)	1/8	97	22.2	–	34.9	.19
		1/4	97	22.2	–	34.9	.19
	IMEG® (M)	1/8	22	12.7	7.9	–	.02
		1/4	23	14.3	10.3	–	.02

Based on largest/heaviest version of each type.

Ordering Info

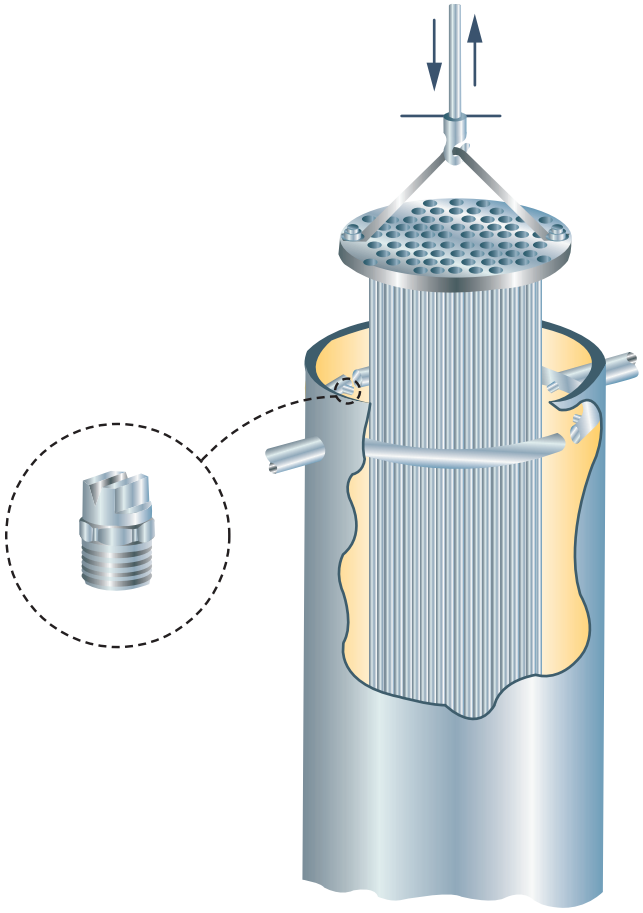
STANDARD SPRAY NOZZLE

1/4	MEG	–	15	04
Inlet Conn.	Nozzle Type		Spray Angle	Capacity Size

STANDARD SPRAY NOZZLE

23990	–	1/4	–	02
Nozzle Type		Inlet Conn.		Capacity Size

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



MEG WashJet nozzles used to wash heat exchanger tube bundle.