

WashJet[®] Spray Nozzles • High Impact Spray

Small Capacity



FLAT SPRAY NOZZLES



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.



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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						20	25	30	35	40	50	60	70	100	150	200								
*00°	5°	15°	25°	40°	50°	65°	*00°	5°	15°	25°	40°	50°	65°	*00°		5°	15°	25°	40°	50°	65°	bar	bar	bar	bar	bar	bar	bar	bar	bar	bar	bar	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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FLAT SPRAY NOZZLES

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					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°	*00°	5°		15°	25°	40°	50°	65°														
		•					•		•													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						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°																						
		•	•	•																		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.



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FLAT SPRAY NOZZLES

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



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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.

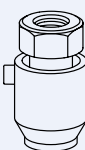
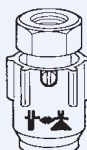

ORDERING INFO

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

48099	23990	24055	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.



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FLAT SPRAY NOZZLES

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



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