

MONSOON

THE COST EFFICIENT IRRIGATORS

**LOW
PRESSURE**

**SUPERB
UNIFORMITY**

**MONSOON
INNOVATIVE
TECHNOLOGY**

**DYNAMIC
INTERMITTANT
JET BREAKER**

INTRODUCING

**REDUCES RUNNING COSTS
BY OPERATING AT A
LOWER PRESSURE**

***END SPRAYS
EFFECTIVELY WET 6/8
MTRS OUTSIDE
STRUCTURE WIDTH**

THE NEW GENERATION RANGE OF

HOSE REEL IRRIGATORS

BUILT IN AUSTRALIA TO HANDLE THE HARSH ENVIRONMENT

MONSOON

SUPERB QUALITY

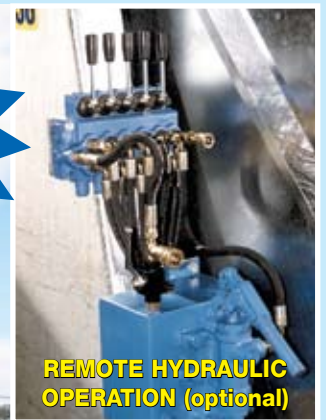


**LOW PRESSURE
PELTON TURBINE**

Hydraulic
Dump Valve
(optional)



**DURABLE
LONG
LIFE
SPAN**



**REMOTE HYDRAULIC
OPERATION (optional)**



**HYD STABILISERS WITH
TROLLEY LIFT (optional)**



GALVANISED WHEELS

TYPICAL 1100 - 1250 MODELS

STANDARD EQUIPMENT

- Low Pressure Pelton Turbine (All Models)
- Multi Speed Comer Gear Box (All Models)
- 3 Wheel Adjustable Track Trolley (Excl. Boom Irrigator)
- Komet Twin Plus Sprinkler (Std. 900-1250 Models)
- Speed Computer (Std 900-1250 Models)
- Electronic Speed Meter (Std 630-820 Models)
- PTO Rewind (Drive Shaft Included 630-1250 Models)
- 3-5 Mtr Rubber Connection Hose with T/O Adaptor
- Machine Inlet Pressure Gauge
- 360° Turntable Operation
- Mechanical Front Foot (630-1000 Models)
- Hydraulic Front Foot (1100-1250 Models)



**COMPLETE
STRUCTURE
HOT DIPPED
GALVANISED**

**NO
FILTRATION
HANDLES
WASTE
PRODUCTS**

**TYPICAL
630-900
"S" SERIES
MODELS**

**OPTIONAL
PURGE
LARGER
MODELS**

TYPICAL 900 - 1100 "IRL" MODELS

"IRL" - IRRILAND EUROPEAN SERIES

Hydraulic
Rotation of
Hose Reel
(optional)

HOSE REEL IRRIGATORS

MONSOON

ULTIMATE IN WATERING UNIFORMITY

**Low
Maintenance**

High Grade
Aluminium and
Galvanised Steel
Resists Corrosion

**Labour
Saving**

Fully Transportable
Within Minutes
Quick Telescopic
Action

Unique Steering
System Allows
Boom Tracking to
Lay of P.E. Hose.

125x430 mtr Irrigator with M91S AVT 64/72 mtr Telescopic Boom Hunter Valley NSW

Flotation Wheels
Std on all "91"
Models.

HOSE REEL BOOM IRRIGATORS

**Low
Pressure**

Uniform
Precipitation at Low
Pressure. Ideal in
Windy Conditions

Low Operating
Costs. Approx 50%
of Conventional
Travelling Gun
Irrigators

**Superior
Uniformity**

*Efficient Spray
Pattern
*Minimal Ground
Compaction

**Unique
Warranty**

*3yrs replacement + 3yrs
pro-rata on P.E. Hose.
*1yr on Machine
Components

Height Adjustable
to 2.7 mtrs. Ideal
for Corn and
Sugarcane etc.

Versatile

AVT 91S 64/72 Boom on Lucerne South Queensland

*M91 AVT46/54 Mtr Aluminium Telescopic Boom over
Sugarcane - Bundaberg, Queensland*

THE COST EFFICIENT MACHINES

MONSOON

IRRIGATORS AUSTRALIA PTY LTD

ABN 38 058 479 155



**Ultimate
Watering
Efficiency**

**AFVT48/56 M25 BOOM
ILLUSTRATED**



**Quality
Superb
Uniformity**

**1100C1A/350M
ILLUSTRATED**

HOSE REEL IRRIGATOR PERFORMANCE

MODEL	25	AFVT-FVT 36/44						AFVT-FVT 42/50						AFVT-FVT 48/56					
Area of Irrigation	m	44 Max						50 Max						56 Max					
Nozzle	No.	37 Plus 2x6mm Adjustable End Nozzle						43 Plus 2x6mm Adjustable End Nozzle						49 Plus 2x6mm Adjustable End Nozzle					
Nozzle Diameter	mm	4		5		6		4		5		6		4		5		6	
Boom Pressure	Kpa	100	150	100	150	100	150	100	150	100	150	100	150	100	150	100	150	100	150
Nozzle Flow-rate	Lt/Sec	0.16	0.21	0.22	0.28	0.30	0.38	0.16	0.21	0.22	0.28	0.30	0.38	0.16	0.21	0.22	0.28	0.30	0.38
Boom Flow-rate	Lt/Sec	6.9	9.3	9.2	11.8	12.2	15.6	7.5	9.9	10.3	13.2	14.1	17.9	8.5	11.2	11.8	15	16	20.2
MM's Applied To Stripe At Various In-Wind Speeds	20m/h	26	35	35	45	46	59	25	33	34	44	47	60	25	33	36	45	48	60
	30m/h	17	23	23	30	31	39	17	22	23	29	31	40	17	22	23	30	32	40
	40m/h	13	18	17	22	23	30	13	17	17	22	24	30	13	17	18	22	24	30
	50m/h	10	14	14	18	18	24	10	13	14	18	19	24	10	13	14	18	19	24
	60m/h	9	12	12	15	15	20	8	11	12	15	16	20	8	11	12	15	16	20

MODEL	Machine Inlet Pressure	Boom 25 Series	Boom Nozzle Size	Rate of Flow	Irrigated Stripe Area
	Kpa	Model	mms	Lt/Sec	
820 BA	Hectares				
	300	FVT36	4	6.9	1.34
	450	FVT36	4	9.3	1.34
	390	FVT36	5	9.2	1.34
900 BA	620	FVT36	5	11.8	1.34
	260	FVT42	4	7.5	1.83
	400	FVT42	4	9.9	1.83
	380	FVT42	5	10.3	1.83
1000 BA	580	FVT42	5	13.2	1.83
	270	FVT42	5	10.3	1.62
	410	FVT42	5	13.2	1.62
	430	FVT42	6	14.1	1.62
1000 CA	580	FVT42	6	17.9	1.62
	240	FVT48	4	8.5	2.16
	380	FVT48	4	11.2	2.16
	350	FVT48	5	11.8	2.16



25 SERIES

MODEL	Machine Inlet Pressure	Boom 25 Series	Boom Nozzle Size	Rate of Flow	Irrigated Stripe Area
	Kpa	Model	mms	Lt/Sec	Hectares
1100 CA	210	FVT48	5	11.8	1.70
	320	FVT48	5	15	1.70
	300	FVT48	6	16	1.70
	460	FVT48	6	20.2	1.70
1100 C1A	240	FVT48	5	11.8	1.93
	360	FVT48	5	15	1.93
	350	FVT48	6	16	1.93
	520	FVT48	6	20.2	1.93
1100 C2A	250	FVT48	5	11.8	2.39
	390	FVT48	5	15	2.39
	370	FVT48	6	16	2.39
	560	FVT48	6	20.2	2.39
1100 D1A	290	FVT48	5	11.8	2.61
	450	FVT48	5	15	2.61
	430	FVT48	6	16	2.61
	650	FVT48	6	20.2	2.61

SUPPLIERS AND INSTALLERS OF PUMPING AND IRRIGATION EQUIPMENT

Admin, Sales & Factory: 31 Lawson Crescent, Coffs Harbour NSW 2450. PO Box 514
After Hours: 0428 665 747

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Web: www.monsoonirrigators.com.au

MONSOON

IRRIGATORS AUSTRALIA PTY LTD

ABN 38 058 479 155



**Versatility
Labour
Saving**

**Low
Pressure
Cost
Efficiency**

**1250 D3/450 M
ILLUSTRATED**

**AVT 91S 64/72 BOOM
ILLUSTRATED**

HOSE REEL BOOM IRRIGATOR PERFORMANCE

MODEL	91	AVT-AFVT 46/54						AVT"S" 56/64						AVT"S" 64/72					
Area of Irrigation	m	54 Max						64 Max						72 Max					
Nozzle	No.	47 Plus 2x8mm Adjustable End Nozzle						57 Plus 2x10mm Adjustable End Nozzle						65 Plus 2x10mm Adjustable End Nozzle					
Nozzle Diameter	mm	4		5		6		4		5		6		4		5		6	
Boom Pressure	Kpa	150	200	150	200	150	200	150	200	150	200	100	150	150	200	150	200	100	150
Nozzle Flow-rate	Lt/Sec	0.21	0.25	0.28	0.33	0.38	0.45	0.21	0.25	0.28	0.33	0.30	0.38	0.21	0.25	0.28	0.33	0.30	0.38
Boom Flow-rate	Lt/Sec	12	14.3	14.8	17.5	20	23.8	15.5	18.5	19.5	23	20.5	25.5	17.5	20.5	21.5	25	22.5	28.5
MM's Applied To Stripe At Various In-Wind Speeds	20m/h	37	44	46	54	62	73	40	48	51	60	53	66	40	47	50	58	52	66
	30m/h	25	29	30	36	41	49	27	32	34	40	36	44	27	32	33	38	35	44
	40m/h	18	22	23	27	31	37	20	24	25	30	27	33	20	24	25	29	26	33
	50m/h	15	17	18	22	25	29	16	19	20	24	21	26	16	19	20	23	21	26
	60m/h	12	14	15	18	21	24	13	16	17	20	18	22	13	16	17	19	17	22

MODEL	Machine Inlet Pressure	Boom 91 Series	Boom Nozzle Size	Rate of Flow	Irrigated Stripe Area
	Kpa	Model	mms	Lt/Sec	
1100 C2A	Hectares				
	370	AVT46	4	14.3	1.92
	450	AVT46	5	17.5	1.92
	340	AVT56	4	15.5	2.27
	430	AVT56	5	19.5	2.27
	400	AVT64	4	17.5	2.56
1100 C2A	490	AVT64	5	21.5	2.56
	400	AVT46	4	14.3	2.30
	490	AVT46	5	17.5	2.30
	370	AVT56	4	15.5	2.73
	480	AVT56	5	19.5	2.73
	440	AVT64	4	17.5	3.07
1100 D1A	540	AVT64	5	21.5	3.07
	410	AVT46	4	14.3	2.52
	510	AVT46	5	17.5	2.52
	380	AVT56	4	15.5	2.99
	500	AVT56	5	19.5	2.99
	460	AVT64	4	17.5	3.36



91 SERIES

MODEL	Machine Inlet Pressure	Boom 91 Series	Boom Nozzle Size	Rate of Flow	Irrigated Stripe Area
	Kpa	Model	mms	Lt/Sec	Hectares
1250 D1A	370	AVT46	5	17.5	1.86
	480	AVT46	6	23.8	1.86
	360	AVT56	5	19.5	2.21
	490	AVT56	6	25.5	2.21
	410	AVT64	5	21.5	2.48
350M	560	AVT64	6	28.5	2.48
	410	AVT46	5	17.5	2.41
	550	AVT46	6	23.8	2.41
	410	AVT56	5	19.5	2.86
	570	AVT56	6	25.5	2.86
1250 D1AS	470	AVT64	5	21.5	3.21
	660	AVT64	6	28.5	3.21
	420M				
	430	AVT46	5	17.5	2.68
	580	AVT46	6	23.8	2.68
1250 D3	430	AVT56	5	19.5	3.18
	610	AVT56	6	25.5	3.18
	500	AVT64	5	21.5	3.58
	470M				
	520	AVT64	6	22.5	3.58

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MONSOON

IRRIGATORS AUSTRALIA PTY LTD ABN 38 058 479 155

**Superior
Quality**

**COMPLETE
STRUCTURE
HOT DIP
GALVANISED
ALL MODELS**

"J" SERIES

Millenium Series

"G" – GARDEN

"J" – JUNIOR

"S" – SILVER

ADVANCED FEATURES

- Pelton Turbine
(Handles Effluent with Ease)
- Multi Speed Gearbox
- Direct Pinion / Ring Gear Drive
- PE Hose with 3 Year Guarantee
- 360° Turntable
- Self Loading Sprinkler Trolley
- Tractor PTO Rewind
- * Std. on all "J" & "S" Models

**FVT 16/22 BOOM
SUITABLE ALL "J" & "S" MODELS**

Superb Performance

HOSE REEL IRRIGATOR PERFORMANCE

MODEL	Pressure		Sprinkler Nozzle Size	Rate of Flow	Wetted Stripe Max Width	Irrigated Area Calculated Approx 65% of Stripe	Hyd Spacing Required for Recommended Irrigated Area	Average Precipitation Applied to Irrigated Area Per Hour
	Machine	Sprinkler						
500G	Kpa	Kpa	mms	Lt/Sec	Metres	Hectares	Metres	mms
	420	300	8	1.7	44	0.40	30	1.61
	470	300	10	2.3	48	0.42	32	2.06
	580	300	12	3.1	52	0.42	32	2.37
150M	730	300	14	4.0	55	0.55	36	3.17
630J	460	350	14	3.9	64	0.65	42	2.29
	520	350	16	5.1	69	0.65	42	3.01
	600	350	18	6.5	73	0.74	48	3.35
	690	350	20	8.0	78	0.74	48	4.13
630S	500	350	14	3.9	64	0.86	42	1.72
	580	350	16	5.1	69	0.86	42	2.26
	690	350	18	6.5	73	0.98	48	2.51
	800	350	20	8.0	78	0.98	48	3.10
630S	580	350	14	3.9	64	1.30	42	1.15
	690	350	16	5.1	69	1.45	42	1.50
	780	300	18	6.0	69	1.45	42	1.65
	900	300	20	7.4	73	1.55	48	1.95
750S	550	350	16	5.1	69	1.29	42	1.41
	600	350	18	6.5	73	1.47	48	1.59
	670	350	20	8.0	78	1.47	48	1.94
	770	350	22	9.7	82	1.64	54	2.09

**Features
Low
Pressure
Operation**

"G" SERIES

Note: For 630-750 Models Performance Calculations
based on Komet Twin 101 Plus Sprinkler Gun

SUPPLIERS AND INSTALLERS OF PUMPING AND IRRIGATION EQUIPMENT

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MONSOON

IRRIGATORS AUSTRALIA PTY LTD ABN 38 058 479 155 HOSE REEL IRRIGATOR PERFORMANCE

MODEL	Pressure		Komet Nozzle Size	Rate of Flow	Wetted Stripe Max Width	Irrigated Area Calculated Approx 65% of Stripe	Hyd Spacing Required for Recommended Irrigated Area	Average Precipitation Applied to Irrigated Area Per Hour	Precipitation Applied to Irrigated Area in Millimetres				
	Machine	Sprinkler							PE Hose In-Wind Speed Meters per hour				
	Kpa	Kpa	mms	Lt/Sec	Metres	Hectares	Metres	mms	10	20	30	40	50
820S 250M	500	350	20	8.0	78	1.17	48	2.45	60	31	20	16	12
	500	300	22	9.0	77	1.17	48	2.77	68	34	23	18	13
	600	350	22	9.7	82	1.31	54	2.65	66	33	22	17	13
	600	300	24	10.7	81	1.31	54	2.94	72	36	24	18	14
900S 200M	510	350	22	9.7	82	1.21	54	3.02	60	30	20	15	12
	570	350	24	11.5	86	1.21	54	3.58	71	35	24	18	14
	680	350	26	13.5	90	1.34	60	3.78	75	37	25	19	15
	650	300	28	14.5	88	1.34	60	4.06	80	40	27	20	16
900 IRL 300M	500	300	22	9.0	77	0.95	54	3.62	66	33	22	16	13
	550	300	24	10.7	81	0.95	54	4.30	78	38	26	20	15
	650	350	24	11.5	86	1.08	54	4.54	82	41	27	21	16
	650	300	26	12.5	84	1.08	54	4.88	88	44	30	22	17
1000 IRL 220M	440	350	24	11.5	86	1.15	54	3.60	78	39	26	20	15
	500	350	26	13.5	90	1.30	60	3.80	83	41	27	21	16
	530	350	28	15.7	93	1.30	60	4.45	96	47	32	24	18
	520	300	30	16.6	91	1.30	60	4.70	101	51	34	25	20
1000 BA 270M	480	350	24	11.5	86	1.45	54	2.86	78	39	26	20	15
	560	350	26	13.5	90	1.55	60	3.00	82	41	27	21	16
	600	350	28	15.7	93	1.55	60	3.52	95	47	32	24	19
	600	300	30	16.6	91	1.55	60	3.69	101	51	34	25	20
1000 CA 380M	550	350	24	11.5	86	2.08	54	2.07	71	35	24	18	14
	650	350	26	13.5	90	2.31	60	2.19	75	37	25	19	15
	710	350	28	15.7	93	2.31	60	2.54	87	43	29	22	17
	720	350	30	16.6	91	2.31	60	2.69	92	46	31	23	18
1100 CA 290M	450	350	25	12.2	99	1.83	60	2.50	68	34	23	17	14
	520	350	27.5	14.8	105	2.01	66	2.76	75	37	25	19	15
	570	350	30	17.5	111	2.19	72	2.99	81	40	27	20	16
	650	350	32.5	20.6	116	2.19	72	3.52	95	48	32	24	19
1100 C1A 350M	470	350	25	12.2	99	2.13	60	2.15	68	34	23	17	14
	550	350	27.5	14.8	105	2.34	66	2.37	75	37	25	19	15
	610	350	30	17.5	111	2.56	72	2.57	81	40	27	20	16
	700	350	32.5	20.6	116	2.56	72	3.02	95	48	32	24	19
1100 C2A 420M	500	350	25	12.2	99	2.56	60	1.79	68	34	23	17	14
	590	350	27.5	14.8	105	2.81	66	1.97	75	37	25	19	15
	660	350	30	17.5	111	3.07	72	2.14	81	40	27	20	16
	770	350	32.5	20.6	116	3.07	72	2.52	95	48	32	24	19
1250 C2A 250M	450	350	30	17.5	111	1.83	72	3.59	81	40	27	20	16
	550	350	32.5	20.6	116	1.83	72	4.23	95	48	32	24	19
	540	350	35	24.0	121	1.98	78	4.55	102	51	34	26	20
	610	350	37.5	27.5	126	1.98	78	5.21	117	59	39	29	23
1250 D1A 350M	480	350	30	17.5	111	2.48	72	2.64	81	40	27	20	16
	550	350	32.5	20.6	116	2.48	72	3.11	95	48	32	24	19
	600	350	35	24.0	121	2.69	78	3.34	102	51	34	26	20
	700	350	37.5	27.5	126	2.69	78	3.83	117	59	39	29	23
1250 D1AS 420M	520	350	30	17.5	111	3.21	72	2.04	81	40	27	20	16
	610	350	32.5	20.6	116	3.21	72	2.40	95	48	32	24	19
	680	350	35	24.0	121	3.48	78	2.58	102	51	34	26	20
	700	400	37.5	25.6	126	3.48	78	2.76	109	55	36	27	22
1250 D3 470M	500	350	27.5	14.8	105	3.35	66	1.66	75	37	25	19	15
	550	350	30	17.5	111	3.65	72	1.80	81	40	27	20	16
	650	350	32.5	20.6	116	3.65	72	2.11	95	48	32	24	19
	730	350	35	24.0	121	3.96	78	2.27	102	51	34	26	20
1400 IRL 400M	500	350	32.5	20.6	116	3.07	72	2.52	95	48	32	24	19
	550	350	35	24.0	121	3.32	78	2.71	102	51	34	26	20
	630	350	37.5	27.5	126	3.32	78	3.10	117	59	39	29	23
	740	350	40	31.3	129	3.58	84	3.28	124	62	41	31	25

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MONSOON

THE COST EFFICIENT IRRIGATORS



REELS UNDER CONSTRUCTION



**MONSOON REEL IRRIGATORS
PARTLY ASSEMBLED**



READY FOR DELIVERY



MONSOON IRRIGATORS AUSTRALIA PTY LTD has its Factory, Admin/Sales in Coffs Harbour, Northern NSW. Monsoon is a privately owned company established in 1991 with a service depot in the NSW Hunter Valley. The company has been constructing Hose Reel Sprinkler Gun and Low Pressure Boom Irrigators for the past 15 years, and has in excess of 750 machines in service Australia wide. Monsoon has built a solid reputation on quality, service and spare parts backup to its customers and dealer network throughout Australia. Monsoon provides a technical and design service to its customer network. The company provides installation on farm, offering a Turn Key Fully Commissioned System. Monsoon uses Quality Australian made "Parallel" Bore Hose which has a "Uniform" Co-Efficient of Expansion providing a "Long Life Span" unlike "Taper Hoses" that do not expand uniformly.

Monsoon offers a range of Irrigation Products Including
 • **Caprari** Multi-Stage Diesel Driven Pump Sets

- **Komet** Sprinklers
- **Read** Hand Priming Pumps and Hydrant Fittings.

Recommended Price

Irrigator Model
 Options
 Freight & Handling
 Quoted Price Total (excl. GST)

\$
\$
\$
\$

DEALER: