

Overhead Sprinklers



Features

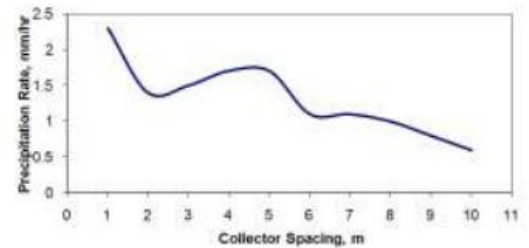
- Available in 1/2" Male threaded
- Color coded nozzles for easy size identification.
- Nozzle Bayonet connection for easy service in field conditions.
- Nozzles with integrated stream straightening vane for long range.
- Engineering Plastic material for durability and corrosion resistant.
- Pivot pin and Springs made of Stainless steel.
- Recommended Pressure 2.0 - 4.0 kg/cm² or 30 -55Psi
- Recommended spacing up to 12m for higher distribution uniformity.
- Trajectory Angle: 24°

Application





- All row crops irrigation compatible by overhead irrigation on solid set systems - portable or permanent.
- Agriculture fields and germination of vegetable, flowers and nursery crops.

Nozzle Size: 3.2 x 1.8mm Pressure: 3.0kg/cm²

Distribution Curve



Performance Table

Nozzle (mm)	Pressure		Coverage Diameter		Discharge Rate	
	kg/cm ²	Psi	mtr.	ft.	LPM	GPM
2.9x1.8 	2	28.44	20	65.60	10.08	2.66
	2.5	35.55	20.4	66.91	11.25	2.97
	3	42.66	20.8	68.22	12.33	3.26
	3.5	49.77	21	68.88	13.33	3.52
3.2 x 1.8 	4	56.88	21	68.88	14.17	3.74
	2	28.44	21.0	68.88	11.94	3.152
	2.5	35.55	21.6	70.85	13.43	3.548
	3	42.66	21.6	70.85	14.78	3.903
3.5x2.4 	3.5	49.77	22.0	72.16	15.86	4.188
	4	56.88	22.0	72.16	17.13	4.525
	2	28.44	21.6	70.85	16.67	4.402
	2.5	35.55	22.0	72.16	18.91	4.996
4.0x2.4 	3	42.66	22.4	73.47	20.83	5.502
	3.5	49.77	23.0	75.44	22.50	5.943
	4	56.88	23.0	75.44	24.17	6.383
	2	28.44	22.0	72.16	19.08	5.041
	2.5	35.55	22.4	73.47	21.25	5.613
	3	42.66	23.0	75.44	23.58	6.229
	3.5	49.77	23.6	77.41	25.67	6.779
	4	56.88	24.0	78.72	27.50	7.262

*Performance is based on ideal conditions of Temperature, wind velocity and Humidity.

Spacing	CU	DU	SC(5%)	APR
R8 x 8	93%	90%	1.1	6
R9 x 9	93%	90%	1.1	4.7
10 x 10	89%	85%	1.2	3.8
R11 x 11	87%	83%	1.2	3.2
R12 x 12	87%	81%	1.3	2.7



AQ - 05PC

Overhead Sprinklers



AQ-05PC-AG

- Bronze Body & Arm.
- Inbuilt diffuser arm with body.
- Good gripping of diffuser screw, to prevent unscrewing at high pressure.
- Recommended pressure: 2-4 Kg/cm².



Features

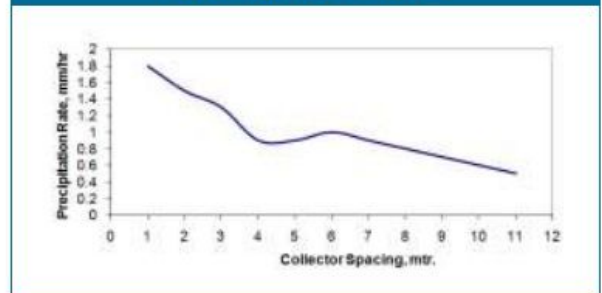
- 1/2" BSP/NPT male threaded
- Durable Bronze body, Zamac Pressure Die Casted Arm, Brass Nut, Tube, nozzle & diffuser screw.
- Stainless Steel Pivot Pin, deflector plate, part circle mechanism.
- Diffusor screw to change the water jet from heavy droplets to fine spray.
- Adjustable deflector plate to change the spray height for adjusting throw.
- Recommended Pressure 2.0 - 3.5 kg/cm² or 30 - 50Psi
- Recommended spacing up to 8m for higher distribution uniformity.
- Trajectory Angle: 25°

Application

- All crops irrigation compatible by overhead irrigation.
- For Efficient irrigation of field edges / turf application.

Nozzle Size: 3.17mm Pressure: 3.0kg/cm²

Distribution Curve



Performance Table							
Nozzle (mm)	Nozzle (Inch)	Pressure		Coverage Diameter		Discharge Rate	
		kg/cm ²	Psi	mtr.	ft.	LPM	GPM
3.17	1/8"	2	28.44	21.2	69.54	9.58	2.53
		2.5	35.55	22.4	73.47	10.8	2.85
		3	42.66	23	75.44	11.6	3.06
		3.5	49.77	23.8	78.06	12.8	3.38
3.57	9/64"	2	28.44	22.9	75.11	11.4	3.01
		2.5	35.55	23.4	76.75	13.2	3.49
		3	42.66	23.8	78.06	14.4	3.80
		3.5	49.77	24.3	79.70	15	3.96
3.97	5/32"	2	28.44	23.5	77.08	13.8	3.65
		2.5	35.55	24	78.72	15.6	4.12
		3	42.66	24.5	80.36	17.4	4.60
		3.5	49.77	25	82.00	19.2	5.07

*Performance is based on ideal conditions of Temperature, wind velocity and Humidity.

Spacing	CU	DU	SC(5%)	APR
R6 x 6	91%	86%	1.2	22.4
R7 x 7	88%	84%	1.2	16.5
R8 x 8	83%	79%	1.3	12.6

AQ - 22PC

Overhead Sprinklers



AQ - 22PC-AG

New

AQ - 22PC-GAG

- For Garden & landscape
- Operating at low pressure.
- Diffusor screw to change the water jet from heavy droplets to fine spray.
- Adjustable deflector plate to change the spray height and to reduce throw.



Application

- All agriculture crops and gardens irrigated by overhead irrigation.
- For irrigation and germination of vegetables, flowers, potatoes.
- For Efficient irrigation of field edges.

Performance Table

Nozzle (mm)	Pressure		Coverage Diameter		Discharge Rate	
	kg/cm ²	Psi	mtr.	ft.	LPM	GPM
2.5	2.0	28.44	21.0	68.88	6.10	23.09
	2.5	35.55	22.0	72.16	6.80	25.74
	3.0	42.66	21.6	70.85	7.40	28.02
	3.5	49.77	22.6	74.13	8.00	30.29
	4.0	56.88	22.6	74.13	8.55	32.37
2.9	2.0	28.44	23.0	75.44	7.60	28.76
	2.5	35.55	23.0	75.44	8.50	32.18
	3.0	42.66	23.0	75.44	9.30	35.21
	3.5	49.77	23.0	75.44	10.10	38.24
3.2	4.0	56.88	23.0	75.44	10.75	40.70
	2.0	28.44	22.0	72.16	9.40	35.59
	2.5	35.55	23.0	75.44	10.50	39.75
	3.0	42.66	23.0	75.44	11.55	43.73
3.5	3.5	49.77	23.5	77.08	12.45	47.14
	4.0	56.88	24.0	78.72	13.30	50.35
	2.0	28.44	22.0	72.16	11.70	44.30
*3.5	2.5	35.55	23.0	75.44	13.10	49.59
	3.0	42.66	24.0	78.72	14.30	54.14
	3.5	49.77	25.0	82.00	15.40	58.30
	4.0	56.88	26.0	85.28	16.40	62.09

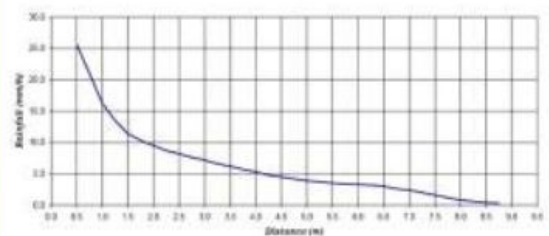
*Performance is based on ideal conditions of Temperature, wind velocity and Humidity.

Features

- Available in 1/2" BSPT Male threaded
- Color coded nozzles for easy size identification.
- Nozzle Bayonet connection for easy service in field conditions.
- Nozzles with integrated stream straightening vane for long range.
- Engineering Plastic material for durability and corrosion resistant.
- Pivot pin and Springs made of Stainless steel.
- **Part circle assembly made by special grade plastic material for longevity.**
- Recommended Pressure 2.0 - 4.0 kg/cm² or 30 - 55Psi
- Recommended spacing up to 8m for higher distribution uniformity.
- Trajectory Angle: 25°

Nozzle Size: 2.9mm, Orange Pressure: 2.5kg/cm²

Distribution Curve



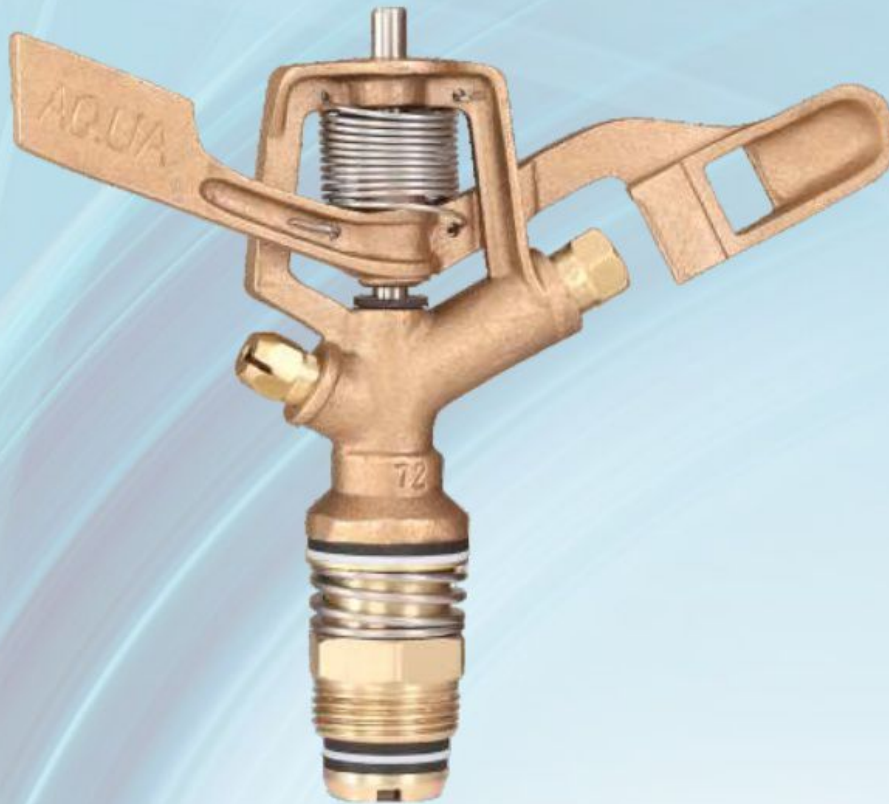
*Model 22PC tested at irstea, France at riser height 750mm

Spacing	CU	DU	SC(5%)	APR
R6.0 x 6.0	88%	83%	1.3	24.4
R7.0 x 7.0	88%	80%	1.3	19.7
R8.0 x 8.0	87%	78%	1.2	16.3
R9.0 x 9.0	86%	75%	1.1	13.7



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Creating a Green World



Application

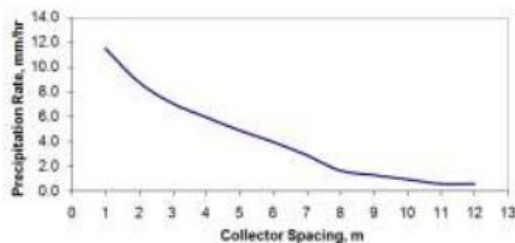
- All crops irrigation compatible by overhead irrigation on Solid set, permanent set, hard lines, portable lines, wheel lines and mechanically moved system such as center pivot.
- Area where strong wind is prevalent, Nozzles with stream straightening vane.

Features

- 3/4" BSP/NPT male threaded
- Durable Bronze body and arm,
- Heavy duty Brass Nut & Tube.
- Stainless Steel Pivot Pin, Springs
- Bearing & Sealing washers are made of material for extending life.
- Recommended Pressure 2.0 - 5.0 kg/cm² or 30 - 70Psi
- Recommended spacing up to 15m for higher distribution uniformity.
- Trajectory Angle: 27°

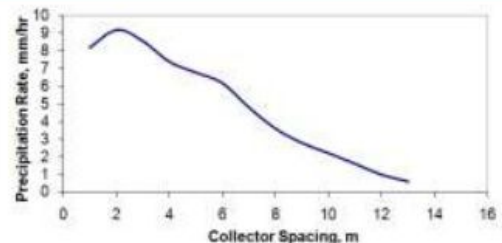
Nozzle Size: 3.96 x 2.38mm Pressure: 3.0kg/cm²

Distribution Curve



Nozzle Size: 4.36 x 3.17mm Pressure: 3.0kg/cm²

Distribution Curve



Overhead Sprinklers

Performance Table									
Nozzle (mm)	Nozzle (Inch)	Pressure		Coverage Diameter				Discharge Rate	
				Without Vane		With Vane			
		kg/cm ²	Psi	mtr.	ft.	mtr.	ft.	LPM	GPM
3.57 x Plug	9/64" x Plug	2	28.44	20.6	67.57	21.2	69.54	11.8	3.12
		2.5	35.55	21.8	71.50	22	72.16	13.2	3.49
		3	42.66	23	75.44	23.6	77.41	14.45	3.82
		3.5	49.77	24.4	80.03	25.2	82.66	15.55	4.11
		4	56.88	25.6	83.97	26	85.28	16.7	4.41
		4.5	63.99	26.2	85.94	26.6	87.25	17.4	4.60
3.96 x 2.38	5/32" x 7/64"	2	28.44	21.2	69.54	22.8	74.78	18.6	4.91
		2.5	35.55	22.6	74.13	23.2	76.10	20.2	5.34
		3	42.66	24	78.72	24.6	80.69	22.4	5.92
		3.5	49.77	25.2	82.66	25.8	84.62	24.3	6.42
		4	56.88	26.4	86.59	27.4	89.87	26.5	7.00
		4.5	63.99	27	88.56	27.4	89.87	28.6	7.55
4.36 x 3.17	11/64" x 1/8"	2	28.44	22.8	74.78	23.4	76.75	25.6	6.76
		2.5	35.55	26	85.28	26.6	87.25	28.8	7.61
		3	42.66	28	91.84	28.8	94.46	32.4	8.56
		3.5	49.77	29	95.12	29.6	97.09	34.3	9.06
		4	56.88	30.2	99.06	31	101.68	36.6	9.67
		4.5	63.99	31	101.68	31.4	102.99	39.2	10.35
4.76 x 3.17	3/16" x 1/8"	2	28.44	24.2	79.38	25.2	82.66	28.8	7.61
		2.5	35.55	27.4	89.87	28.2	92.50	32.3	8.53
		3	42.66	30.4	99.71	31.2	102.34	36.3	9.59
		3.5	49.77	32.2	105.62	33.2	108.90	39.4	10.41
		4	56.88	33.8	110.86	34.6	113.49	42.2	11.15
		4.5	63.99	34.4	112.83	35	114.80	45.5	12.02
5.15 x 3.17	13/64" x 1/8"	2	28.44	27.4	89.87	28.2	92.50	34.5	9.11
		2.5	35.55	28.6	93.81	29.4	96.43	37.2	9.83
		3	42.66	30.4	99.71	31.2	102.34	42.4	11.20
		3.5	49.77	32.2	105.62	33	108.24	44.9	11.86
		4	56.88	34.6	113.49	35.4	116.11	47.8	12.63
		4.5	63.99	35.4	116.11	36	118.08	49.8	13.15
		5	71.1	36	118.08	36.6	120.05	52.6	13.89

*Performance is based on ideal conditions of Temperature, wind velocity and Humidity.

Nozzle Size: 3.96 x 2.38mm Pressure: 3.0kg/cm²

Spacing	CU	DU	SC(5%)	APR
R8.0 x 8.0	96%	95%	1.1	18.7
R9.0 x 9.0	95%	93%	1.1	14.8
R10.0 x 10.0	94%	92%	1.1	12
R11.0 x 11.0	92%	90%	1.2	9.9
R12.0 x 12.0	89%	86%	1.3	8.3

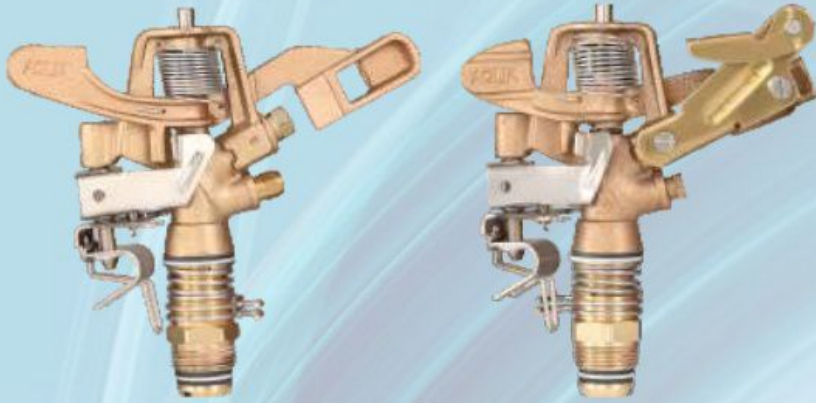
Nozzle Size: 4.36 x 3.17mm Pressure: 3.0kg/cm²

Spacing	CU	DU	SC(5%)	APR
R9.0 x 9.0	98%	98%	1	23.4
R10.0 x 10.0	98%	96%	1.1	18.9
R11.0 x 11.0	98%	96%	1.1	15.7
R12.0 x 12.0	98%	96%	1	13.2
R13.0 x 13.0	98%	96%	1.1	11.2
R14.0 x 14.0	96%	94%	1.1	9.7
R15.0 x 15.0	92%	87%	1.2	8.4



AQ - 20PC

Overhead Sprinklers



Application

- All crops irrigation compatible by overhead irrigation on Solid set - portable and permanent systems.
- For Efficient irrigation of field edges.

Performance Table

Nozzle (mm)	Nozzle (Inch)	Pressure		Coverage Diameter		Discharge Rate	
		kg/cm ²	Psi	mtr.	ft.	LPM	GPM
3.96 x Plug	5/32" x Plug	2	28.44	27	88.56	13.8	3.65
		2.5	35.55	28	91.84	15.6	4.12
		3	42.66	29.4	96.43	17.5	4.62
		3.5	49.77	30.2	99.06	18.9	4.99
4.36 x 2.38	11/64" x 3/32"	2	28.44	26.8	87.90	22	5.81
		2.5	35.55	29	95.12	23.6	6.23
		3	42.66	30	98.40	25.8	6.81
		3.5	49.77	30.4	99.71	27.9	7.37
4.76 x Plug	3/16" x Plug	2	28.44	29	95.12	19.4	5.12
		2.5	35.55	29.8	97.74	22.8	6.02
		3	42.66	30.4	99.71	25.2	6.66
		3.5	49.77	31.2	102.34	26.9	7.11
4.76 x 3.17	3/16" x 1/8"	2	28.44	29.2	95.78	28.8	7.61
		2.5	35.55	29.8	97.74	32.3	8.53
		3	42.66	30.4	99.71	36.3	9.59
		3.5	49.77	31.2	102.34	39.4	10.41
5.15 x 3.17	13/64" x 1/8"	2	28.44	30.4	99.71	34.5	9.11
		2.5	35.55	31.3	102.66	37.2	9.83
		3	42.66	33.4	109.55	42.4	11.20
		3.5	49.77	32.2	105.62	44.9	11.86
		4	56.88	33.6	110.21	47.8	12.63

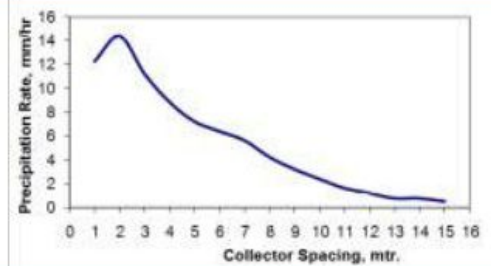
*Performance is based on ideal conditions of Temperature, wind velocity and Humidity.

Features

- 3/4" BSP/NPT male threaded
- Durable Bronze body and arm,
- Heavy duty Brass Nut & Tube.
- Stainless Steel Pivot Pin, deflector plate, diffusor screw, part circle mechanism.
- Bearing & Sealing washers are made of material for extending life.
- Diffusor screw to change the water jet from heavy droplets to fine spray (AQ20PCDA).
- Adjustable deflector plate to change the spray height for adjusting throw (AQ20PC-ASDA).
- **Special Model available for pressure application upto 6.0kg/cm².**
- Recommended Pressure 2.0 - 4.0 kg/cm² or 30 - 55Psi
- Recommended spacing up to 15m for higher distribution uniformity.
- Trajectory Angle: 25°

Nozzle Size: 4.36 x 2.38mm Pressure: 3.0kg/cm²

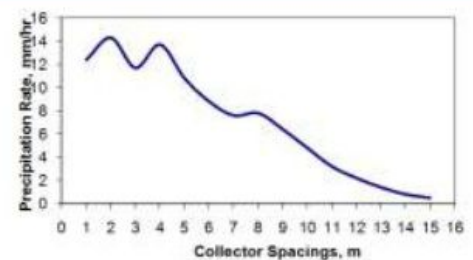
Distribution Curve



Spacing	CU	DU	SC(5%)	APR
R12 x 12	93%	92%	1.1	16.1
R13 x 13	92%	91%	1.1	13.7
R14 x 14	90%	88%	1.2	11.8
R15 x 15	87%	84%	1.3	10.3

Nozzle Size: 4.76 x 3.17mm Pressure: 3.0kg/cm²

Distribution Curve



Spacing	CU	DU	SC(5%)	APR
R12 x 12	95%	93%	1.1	24.2
R13 x 13	95%	91%	1.1	20.7
R14 x 14	96%	93%	1.1	17.8
R15 x 15	96%	94%	1.1	15.5

AQ - 46

Overhead Sprinklers



New



AQ-46S

Nozzles with spreader arm and screw.

New



AQ-46B

Threaded Brass Nozzles

Application

- All crops compatible for overhead sprinkler irrigation on portable as well as solid set systems.
- Use for agriculture field, fruit farming and vegetable farming.

Performance Table

Nozzle (mm)	Nozzle (Inch)	Pressure		Coverage Diameter		Discharge Rate	
		kg/cm ²	Psi	mtr.	ft.	LPM	GPM
3.57 x plug	9/64" x Plug	1	14.22	18	59.04	9.7	2.56
		2	28.44	19.2	62.98	11.8	3.12
		3	42.66	21	68.88	14.5	3.83
		4	56.88	22.4	73.47	16.7	4.41
3.96 x 2.38	5/32" x 3/32"	1	14.22	19.5	63.96	13.2	3.49
		2	28.44	22.5	73.80	18.5	4.89
		3	42.66	25.5	83.64	22.4	5.92
		4	56.88	28.8	94.46	26.5	7.00
4.36 x 2.38	11/64" x 3/32"	1	14.22	21	68.88	17	4.49
		2	28.44	26.8	87.90	22	5.81
		3	42.66	29.8	97.74	25.7	6.79
		4	56.88	32.3	105.94	30.4	8.03
4.76 x 3.17	3/16" x 1/8"	1	14.22	22	72.16	21	5.55
		2	28.44	28	91.84	28	7.40
		3	42.66	31.1	102.01	36	9.51
		4	56.88	33.5	109.88	42	11.09
5.15 x 3.17	13/64" x 1/8"	1	14.22	23.5	77.08	27.5	7.26
		2	28.44	28.7	94.14	32	8.45
		3	42.66	32	104.96	40	10.57
		4	56.88	34.1	111.85	47	12.41
5.55 x 3.17	7/32" x 1/8"	1	14.22	25.2	82.66	32.7	8.64
		2	28.44	29.6	97.09	37.3	9.85
		3	42.66	33	108.24	45.5	12.02
		4	56.88	35	114.80	52.4	13.84

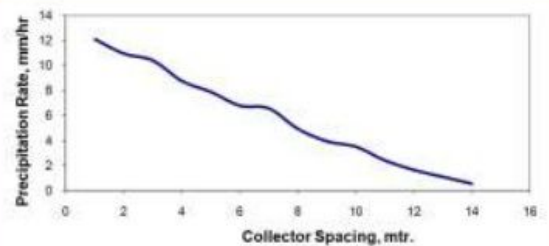
*Performance is based on ideal conditions of Temperature, wind velocity and Humidity.

Features

- Available with 3/4" BSPT male/Female threaded
- Durable Engineering plastic Body, Arm, Nut, Tube and nozzels.
- Color coded nozzles for easy size identification.
- Bayonet nozzle connection for easy service in field conditions.
- Brass nozzles are also available with this model.
- Nozzles with integrated spreader screw is available with both nozzles.
- Press fitted plated weight into arm for proper impact and balancing.
- Stainless Steel Pivot Pin and Springs
- Recommended Pressure 1.0 - 4.0 kg/cm² or 15 - 55Psi
- Recommended spacing up to 15m for higher distribution uniformity.
- Trajectory Angle: 23°

Nozzle Size: 4.36 x 2.38mm Pressure: 3.0kg/cm²

Distribution Curve



Spacing	CU	DU	SC(5%)	APR
R12.0 x 12.0	97%	97%	1	17.8
R13.0 x 13.0	97%	95%	1.1	15.2
R14.0 x 14.0	97%	95%	1.1	13.1
R15.0 x 15.0	97%	96%	1	11.4

AQ - 46PC

Overhead Sprinklers



Features

- Available in 3/4" BSPT Male threaded
- Body, Arm, Nut, Tube and part circle mechanism made of engineering plastic material for durability and corrosion resistant.
- Available in Brass nozzle Threaded / Bayonet nozzles body design.
- Nozzle Bayonet connection for easy service in field conditions.
- Nozzles with integrated stream straightening vane for long range.
- Pivot pin and Springs, part circle pin made of Stainless steel.
- Recommended Pressure 1.0 - 4.0 kg/cm² or 15 - 55Psi
- Recommended spacing up to 15m for higher distribution uniformity.
- Trajectory Angle: 23°

Application

- All crops irrigation compatible by overhead irrigation on Solid set - portable and permanent systems.
- For Efficient irrigation of field edges.

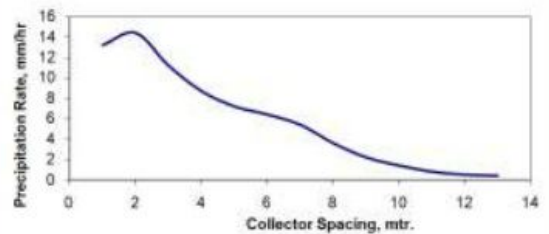
Performance Table

Nozzle (mm)	Nozzle (Inch)	Pressure		Coverage Diameter		Discharge Rate	
		kg/cm ²	Psi	mtr.	ft.	LPM	GPM
3.96 x 2.38	5/32" x 3/32"	1	14.22	21.5	70.52	13.2	3.49
		2	28.44	23	75.44	18.5	4.89
		3	42.66	26.4	86.59	22.4	5.92
		4	56.88	28.6	93.81	26.5	7.00
4.36 x 2.38	11/64" x 3/32"	1	14.22	22.6	74.13	15.5	4.09
		2	28.44	24.4	80.03	21.5	5.68
		3	42.66	27.8	91.18	25.7	6.79
		4	56.88	29.4	96.43	30.4	8.03
4.76 x Plug	3/16" x Plug	1	14.22	23.6	77.41	13.8	3.65
		2	28.44	26.8	87.90	19.4	5.12
		3	42.66	29	95.12	25.2	6.66
		4	56.88	30.4	99.71	29.2	7.71
4.76 x 3.17	3/16" x 1/8"	1	14.22	23.8	78.06	23.8	6.29
		2	28.44	26.8	87.90	29.4	7.77
		3	42.66	29.2	95.78	36	9.51
		4	56.88	30.4	99.71	42.6	11.25
5.15 x 3.17	13/64" x 1/8"	1	14.22	23.8	78.06	27.4	7.24
		2	28.44	29.2	95.78	36.3	9.59
		3	42.66	30.4	99.71	44.5	11.75
		4	56.88	32.4	106.27	49.3	13.02

*Performance is based on ideal conditions of Temperature, wind velocity and Humidity.

Nozzle Size: 4.36 x 2.38mm Pressure: 3.0kg/cm²

Distribution Curve



Spacing	CU	DU	SC(5%)	APR
R12 x 12	93%	91%	1.1	13.4
R13 x 13	89%	85%	1.3	11.4
R14 x 14	85%	78%	1.6	9.9
R15 x 15	80%	68%	1.9	8.6



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Creating a Green World

Overhead Sprinklers



Features

- 3/4" BSP/NPT male threaded and 1" Female threaded
- Specially designed for large precipitation rate and spacing.
- Durable Bronze body and arm,
- Heavy duty Brass Nut & Tube.
- Stainless Steel Pivot Pin, Springs
- Recommended Pressure 2.0 - 5.0 kg/cm² or 30 - 70Psi
- Recommended spacing up to 18m for higher distribution uniformity.
- Trajectory Angle: 33°

Performance Table

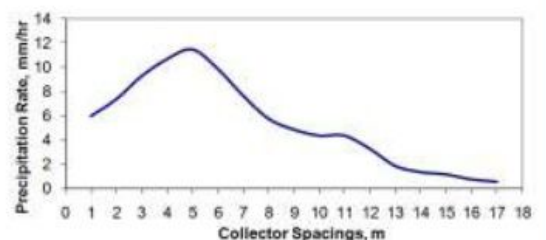
Nozzle (mm)	Nozzle (Inch)	Pressure		Coverage Diameter		Discharge Rate	
		kg/cm ²	Psi	mtr.	ft.	LPM	GPM
5.55 x 3.17	7/32" x 1/8"	2	28.44	28.2	92.50	37.3	9.85
		2.5	35.55	31	101.68	41.5	10.96
		3	42.66	33.4	109.55	45.5	12.02
		3.5	49.77	35	114.80	48.8	12.89
		4	56.88	36.2	118.74	52.4	13.84
		4.5	63.99	37	121.36	55.2	14.58
5.95 x 3.17	15/64" x 1/8"	5	71.1	37.6	123.33	58.6	15.48
		2	28.44	32.2	105.62	39.5	10.43
		2.5	35.55	33.8	110.86	45.2	11.94
		3	42.66	35.4	116.11	49.6	13.10
		3.5	49.77	36.4	119.39	53.6	14.16
		4	56.88	37	121.36	58.9	15.56
6.35 x 3.17	1/4" x 1/8"	4.5	63.99	37.6	123.33	61.8	16.32
		5	71.1	38.2	125.30	65	17.17
		2	28.44	33	108.24	44.2	11.67
		2.5	35.55	34.2	112.18	49.2	13.00
		3	42.66	35	114.80	54.6	14.42
		3.5	49.77	36	118.08	59.6	15.74
6.35 x 4.76	1/4" x 3/16"	4	56.88	37.4	122.67	64.3	16.98
		4.5	63.99	37.8	123.98	67.4	17.80
		5	71.1	38.4	125.95	71.2	18.81
		2.5	35.55	34.4	112.83	62.4	16.48
		3	42.66	35.8	117.42	67.7	17.88
		3.5	49.77	37	121.36	74.3	19.62
		4	56.88	39	127.92	80.2	21.18
		4.5	63.99	39.4	129.23	85.4	22.56
		5	71.1	39.6	129.89	89.6	23.67

Application

- All crops irrigation compatible by overhead irrigation on Solid set, permanent set, hard lines, portable lines, wheel lines and mechanically moved system such as center pivot.
- Area where strong wind is prevalent, Nozzles with intergal stream straightening vane.

Nozzle Size: 5.55 x 3.17mm Pressure: 3.5kg/cm²

Distribution Curve



Spacing	CU	DU	SC(5%)	APR
R12.0 x 12.0	92%	87%	1.2	24.7
R13.0 x 13.0	93%	87%	1.4	21
R14.0 x 14.0	93%	86%	1.4	18.1
R15.0 x 15.0	91%	84%	1.4	15.8
R16.0 x 16.0	90%	84%	1.5	13.9
R17.0 x 17.0	90%	85%	1.5	12.3
R18.0 x 18.0	89%	83%	1.5	11

*Performance is based on ideal conditions of Temperature, wind velocity and Humidity.

AQ - 40B

Big Sprinklers



Features

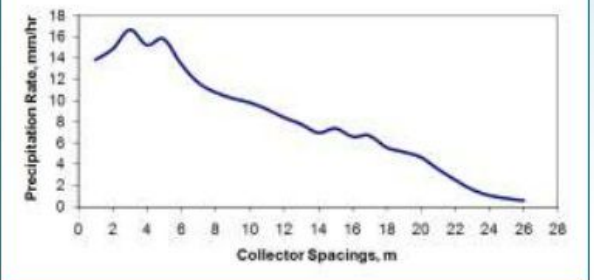
- Available in 1- 1/4" BSP/NPT male threaded
- Durable Bronze body and Arm.
- Heavy duty Brass Nut, Tube and nozzles.
- Stainless Steel Pivot Pin and springs.
- Bearing assembly protect by cap for longevity.
- PU thrust pad for impact wear resistance.
- **For center pivot end application 18° trajectory model also available.**
- Recommended Pressure 3.5 - 6.0 kg/cm² or 50 - 85Psi
- Recommended spacing up to 30m for higher distribution uniformity.
- Trajectory Angle: 23°

Application

- Designed for use for full field irrigation in hose reel systems, water reclamation, waste water treatment, mining and dust control.
- Ideal for large turf applications and a great option for solid set, permanent set systems in irregular field shapes and terrain difficulties.

Nozzle Size: 10.32 x 5.55mm Pressure: 5.0kg/cm²

Distribution Curve



Performance Table

Nozzle (mm)	Nozzle (Inch)	Pressure		Coverage Diameter		Discharge Rate	
		kg/cm ²	Psi	mtr.	ft.	LPM	GPM
9.53 x 5.55	3/8"	4	56.88	45.4	148.91	138.8	36.66
		4.5	63.99	47.2	154.82	145.6	38.46
	7/32"	5	71.10	48.4	158.75	153.5	40.54
		5.5	78.21	50.3	164.98	162.4	42.89
10.32 x 5.55	13/32"	4	56.88	48.2	158.10	174.8	46.17
		4.5	63.99	50.1	164.33	183	48.34
	7/32"	5	71.10	52.6	172.53	192.6	50.87
		5.5	78.21	54.8	179.74	201.4	53.20
		6	85.32	56	183.68	213.3	56.34
12.7 x 6.35	1/2"	4	56.88	52	170.56	247.3	65.32
	1/4"	4.5	63.99	54	177.12	259.8	68.62
		5	71.10	56.2	184.34	275.6	72.79
		5.5	78.21	58	190.24	280.4	74.06
15.87 x 6.35	5/8"	6	85.32	60	196.80	301.2	79.56
		4	56.88	56	183.68	345.5	91.26
	1/4"	4.5	63.99	58.4	191.55	362.4	95.72
		5	71.10	60.6	198.77	392.4	103.65
		5.5	78.21	63	206.64	411.1	108.58
6	85.32	65.4	214.51	432.4	114.21		

*Performance is based on ideal conditions of Temperature, wind velocity and Humidity.

Spacing	CU	DU	SC(5%)	APR
R21.0 x 21.0	95%	92%	1.1	27.4
R24.0 x 24.0	92%	88%	1.2	21
R27.0 x 27.0	95%	93%	1.1	16.6
R30.0 x 30.0	94%	91%	1.1	13.4



AQ - 40BPC

Big Sprinklers



Application

- All crops irrigation by overhead irrigation, ideal for large landscape and turf irrigation, mining and dust control.
- For Efficient irrigation of field edges and at end of center pivot.

Performance Table

Nozzle (mm)	Nozzle (Inch)	Pressure		Coverage Diameter		Discharge Rate	
		kg/cm ²	Psi	mtr.	ft.	LPM	GPM
9.53 x 5.55	3/8"	4	56.88	45	147.60	138.8	36.66
		4.5	63.99	46.6	152.85	145.6	38.46
	7/32"	5	71.1	47.8	156.78	153.5	40.54
		5.5	78.21	49.2	161.38	162.4	42.89
10.32 x 5.55	13/32"	4	56.88	47.8	156.78	174.8	46.17
		4.5	63.99	49.6	162.69	183	48.34
	7/32"	5	71.1	51.4	168.59	192.6	50.87
		5.5	78.21	53.8	176.46	201.4	53.20
12.70 x 6.35	1/2"	4	56.88	51	167.28	247.3	65.32
		4.5	63.99	53	173.84	259.8	68.62
	1/4"	5	71.1	55.2	181.06	275.6	72.79
		5.5	78.21	57	186.96	280.4	74.06
15.87 x 6.35	5/8"	4	56.88	55	180.40	345.5	91.26
		4.5	63.99	57.6	188.93	362.4	95.72
	1/4"	5	71.1	59.4	194.83	392.4	103.65
		5.5	78.21	62.4	204.67	411.1	108.58
		6	85.32	64.6	211.89	432.4	114.21

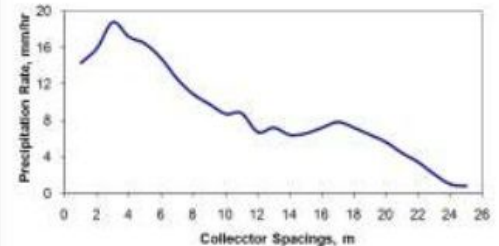
*Performance is based on ideal conditions of Temperature, wind velocity and Humidity.

Features

- Available in 1-1/4" BSP/NPT male threaded
- Durable Bronze body, arm and trip assembly.
- Heavy duty brass Nut, Tube and nozzles.
- Stainless Steel Pivot Pin, springs and part circle pin.
- Bearing assembly protect by cap for longevity.
- PU thrust pad for impact wear resistance.
- For center pivot end application 18° trajectory model also available.
- Recommended Pressure 3.5 - 6.0 kg/cm² or 50 - 85Psi
- Recommended spacing up to 30m for higher distribution uniformity.
- Trajectory Angle: 23°

Nozzle Size: 10.32 x 5.55mm Pressure: 5.0kg/cm²

Distribution Curve



Spacing	CU	DU	SC(5%)	APR
R21.0 x 21.0	92%	88%	1.2	28.9
R24.0 x 24.0	87%	78%	1.4	22.1
R27.0 x 27.0	90%	84%	1.2	17.5
R30.0 x 30.0	91%	87%	1.2	14.2



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Creating a Green World

AQ - 40G (PENGUIN)

Water Guns



Application

- Suitable for Overtree irrigation for bigger crops like sugarcane, oats, maize etc., tea, coffee, fodder, landscape and horticulture also for pastures and dust suppression.
- It can be applied to all kind of land and cultivation.
- Designed for both full field and irrigation of field edges.

Performance Table

Nozzle (mm)	Pressure		Coverage Diameter		Discharge Rate	
	kg/cm ²	Psi	mtr.	ft.	LPM	GPM
10 x 4	2	28.44	38	124.64	106	28.00
	3	42.66	42	137.76	130	34.34
	4	56.88	45	147.60	151	39.88
	5	71.10	47	154.16	170	44.90
12 x 4	2	28.44	42	137.76	149	39.36
	3	42.66	47	154.16	182	48.07
	4	56.88	52	170.56	211	55.73
	5	71.10	56	183.68	236	62.33
14 x 4	2	28.44	45	147.60	197	52.03
	3	42.66	48	157.44	241	63.66
	4	56.88	54	177.12	278	73.43
	5	71.10	58	190.24	311	82.14

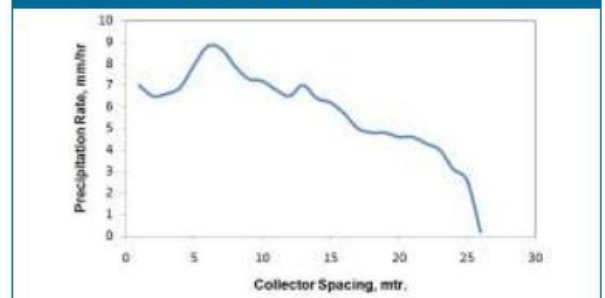
*Performance is based on ideal conditions of Temperature, wind velocity and Humidity.

Features

- Available in 1 - 1/4" BSP/NPT Female threaded
- Aluminium Pressure die casted Body and arm.
- Heavy duty brass nut, tube, nozzles & Diffuser Screw.
- Stainless Steel Pivot Pin, springs, Nut and bolt.
- Plastic parts made of engineering plastic for durability.
- Available both Full Circle & Part -circle design.
- Jet breaker screw to change the water jet from heavy droplets to fine spray.
- Recommended Pressure 2.0 - 5.0 kg/cm² or 30 - 70Psi
- Recommended spacing up to 30m for higher distribution uniformity.
- Trajectory Angle: 30°

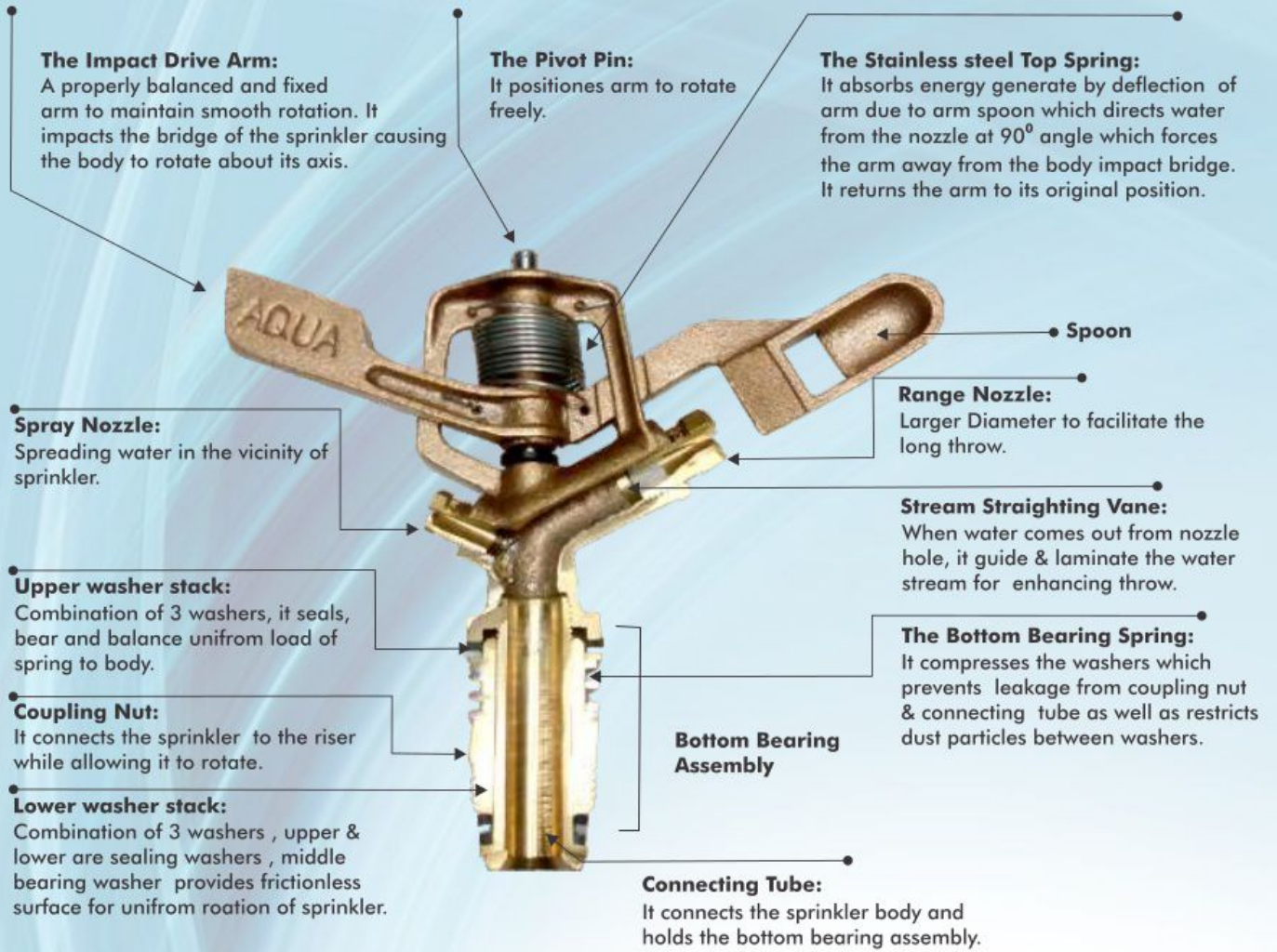
Nozzle Size: 12 x 4mm Pressure: 4.0kg/cm²

Distribution Curve



Spacing	CU	DU	SC(5%)	APR
R24.0 x 24.0	90%	86%	1.2	18.7
R27.0 x 27.0	85%	78%	1.6	14.8
R30.0 x 30.0	88%	79%	1.8	12

Sprinkler components



Accessories



Quick Coupling Socket



Socket



Spanner



1/2" x 3/4"



1/2" x 1"



3/4" x 1"