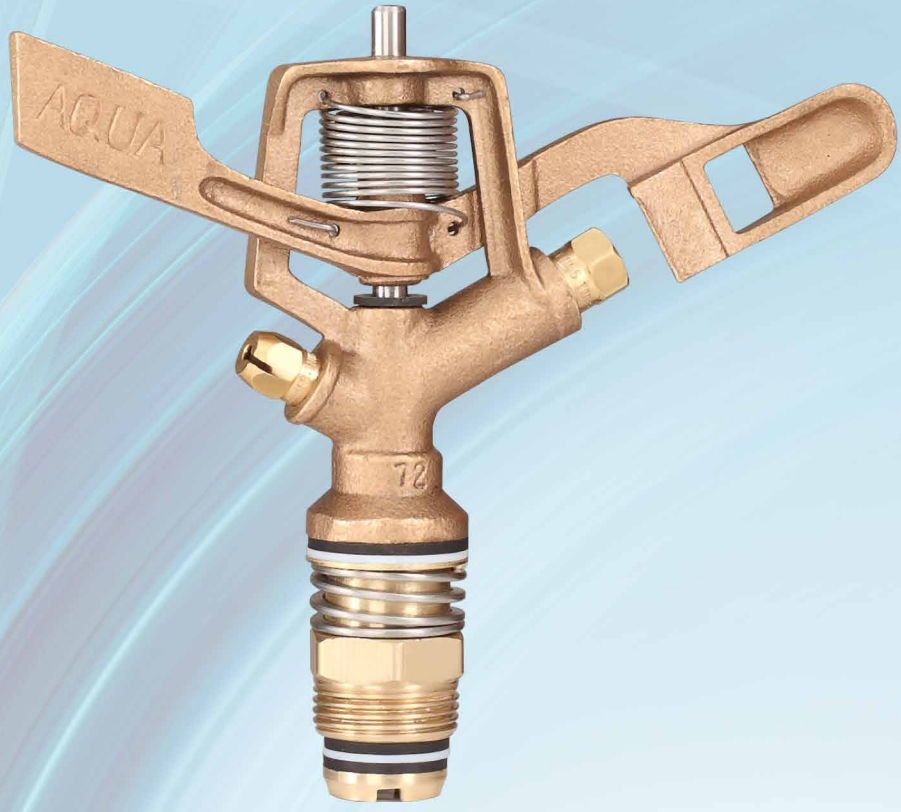
AQ - 20

Overhead Sprinklers



Application

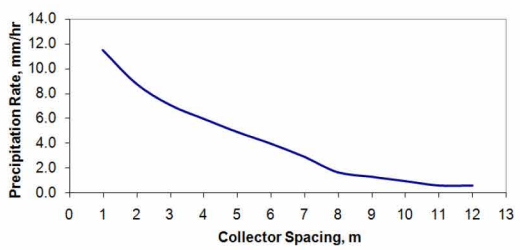
- All crops irrigation compatible by overhead irrigation on Solid set, permanent set, hard lines, portable lines, wheel lines and mechanically moved system such as center pivot.
- Area where strong wind is prevelant, Nozzles with stream straighting vane.

Features

- ¾" 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°

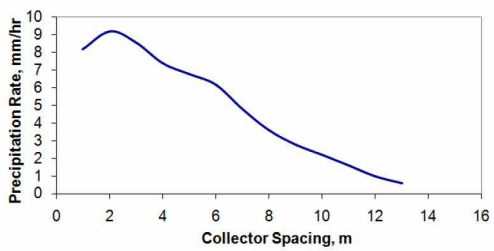
Nozzle Size: 3.96 x 2.38mm Pressure: 3.0kg/cm²

Distribution Curve



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

Distribution Curve



Performance Table

Nozzle (mm)	Nozzle (Inch)	Pressure		Coverage Diameter				Discharge Rate	
				Witout Vane		With Vane			
		kg/cm²	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
		5	71.1	26.8	87.90	27.4	89.87	18.6	4.91
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
		5	71.1	27.8	91.18	28.2	92.50	30.8	8.14
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
		5	71.1	31.6	103.65	32.2	105.62	41.8	11.04
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	71.1	35	114.80	35.4	116.11	47.8	12.63
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

*Peformance 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