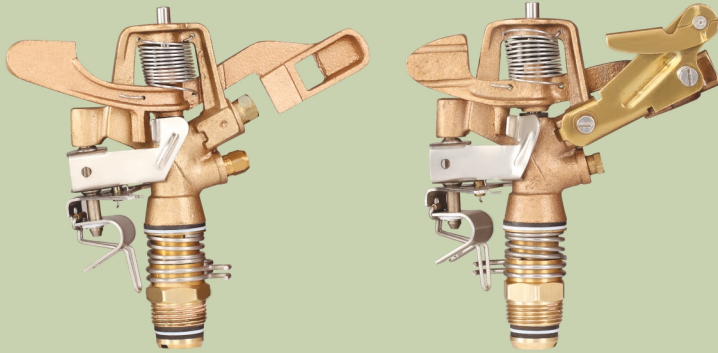


# HT - 20PC

## Overhead Sprinklers



### Features

- ¾" BSP/NPT male threaded.
- Durable Bronze body and arm.
- Heavy duty Brass Nut & Tube.
- Stainless Steel Pivot Pin, deflector plate, diffuser screw, part circle mechanism.
- Bearing & Sealing washers are made of material for extending life.
- Diffuser screw to change the water jet from heavy droplets to fine spray (HT-20PCDA).
- Adjustable deflector plate to change the spray height for adjusting throw (HT-20PC-ASDA).
- **Special Model available for pressure application upto 6.0kg/cm<sup>2</sup>**
- Recommended Pressure 2.0 - 4.0 kg/cm<sup>2</sup> or 30 - 55Psi
- Recommended spacing up to 15m for higher distribution uniformity.
- Trajectory Angle: 25°

### Application

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

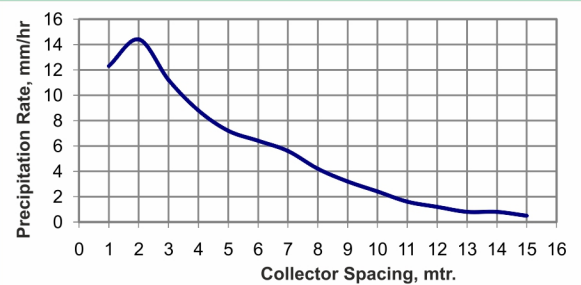
Performance Table

| Nozzle (mm) | Pressure (kg/cm <sup>2</sup> ) | Coverage Diameter (mtr) | Discharge Rate (LPH) |
|-------------|--------------------------------|-------------------------|----------------------|
| 3.96 x Plug | 2                              | 27                      | 828                  |
|             | 2.5                            | 28                      | 936                  |
|             | 3                              | 29.4                    | 1044                 |
|             | 3.5                            | 30.2                    | 1152                 |
|             | 4                              | 30.6                    | 1206                 |
| 4.36 x 2.38 | 2                              | 26.8                    | 1344                 |
|             | 2.5                            | 29                      | 1512                 |
|             | 3                              | 30                      | 1650                 |
|             | 3.5                            | 30.4                    | 1770                 |
|             | 4                              | 31.4                    | 1902                 |
| 4.76 x Plug | 2                              | 29                      | 1176                 |
|             | 2.5                            | 29.8                    | 1344                 |
|             | 3                              | 30.4                    | 1464                 |
|             | 3.5                            | 31.2                    | 1572                 |
|             | 4                              | 32.5                    | 1698                 |
| 4.76 x 3.17 | 2                              | 29.2                    | 1650                 |
|             | 2.5                            | 29.8                    | 1836                 |
|             | 3                              | 30.4                    | 1998                 |
|             | 3.5                            | 31.2                    | 2154                 |
|             | 4                              | 32.8                    | 2316                 |
| 5.15 x 3.17 | 2                              | 30.4                    | 1830                 |
|             | 2.5                            | 31.3                    | 2052                 |
|             | 3                              | 33.4                    | 2250                 |
|             | 3.5                            | 32.2                    | 2388                 |
|             | 4                              | 33.6                    | 2574                 |

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

Nozzle Size: 4.36 x 2.38mm Pressure: 3.0kg/cm<sup>2</sup>

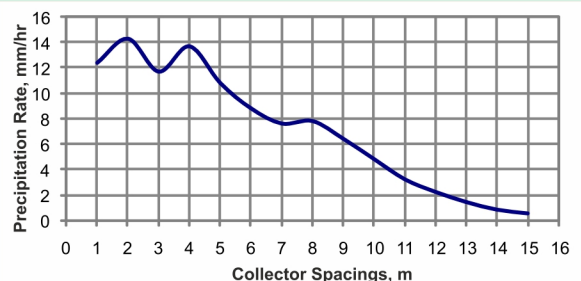
Distribution Curve



| Spacing (m) | CU% | DU% | SC(5%) | APR  |
|-------------|-----|-----|--------|------|
| 12 x 12     | 93% | 92% | 1.1    | 11.5 |
| 13 x 13     | 92% | 91% | 1.1    | 9.8  |
| 14 x 14     | 90% | 88% | 1.2    | 8.4  |
| 15 x 15     | 87% | 84% | 1.3    | 7.3  |

Nozzle Size: 4.76 x 3.17mm Pressure: 3.0kg/cm<sup>2</sup>

Distribution Curve



| Spacing (m) | CU% | DU% | SC(5%) | APR  |
|-------------|-----|-----|--------|------|
| 12 x 12     | 95% | 93% | 1.1    | 13.9 |
| 13 x 13     | 95% | 91% | 1.1    | 11.8 |
| 14 x 14     | 96% | 93% | 1.1    | 10.2 |
| 15 x 15     | 96% | 94% | 1.1    | 8.9  |



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