

# 22 XU

Excellent Uniformity  
(½" Plastic Sprinkler)

  
**AUTOMAT**<sup>®</sup>  
*Creating a Green World*<sup>®</sup>



Specially  
designed to  
work at  
 $0.5\text{kg}/\text{cm}^2$

Registered Design  
No. 340311-001

The unique design of the range nozzle helps in excellent water distribution uniformity which improves the quality & yield of the crops.

Technical Brochure

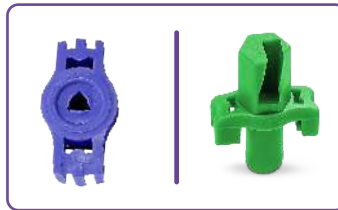
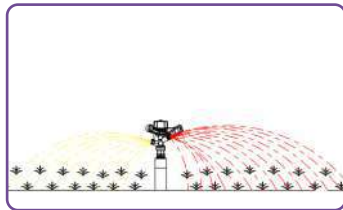
# Features

- Specially designed nozzles for Excellent distribution uniformity of sprinkler even at a low water pressure.



- Bayonet nozzle connection for easy service in field conditions.

- Covers more area (increased diameter of coverage) and improved uniform distribution.



- XU Purple is the main nozzle & green slit nozzle is the spray nozzle

- Rotation starts even at a low pressure of 0.5 bar
- Corrosion-proof plastic pivot pin prevents wear & tear of the sprinkler



- Special springs & washers to perform even at a low pressure
- Graphite bottom washer for smooth and consistent rotation.



## Applications

- Recommended for closely spaced field crops, such as potato, leafy vegetables, cotton, oil seeds, pulses, and fodder crops.
- For irrigation and germination of vegetables, flowers, and nursery crops.

## Benefits

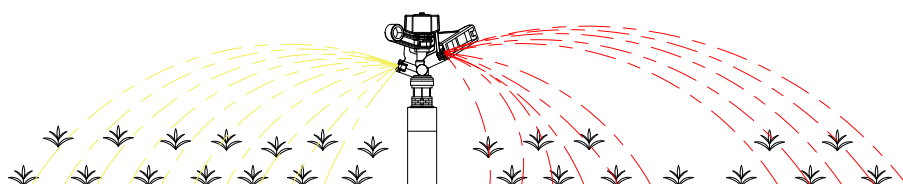
- Operates even at a low water pressure of 0.5 kg/cm<sup>2</sup>
- Uniform distribution of water improves the crop yield
- Can operate more sprinklers simultaneously hence covering larger area at a given time period
- Saves water, efforts and energy

## Technical Specifications

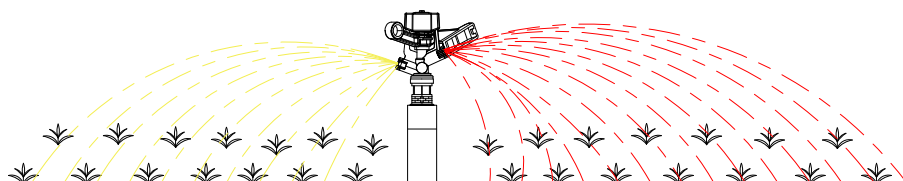
- Available in ½ " Male threaded connection
- Recommended Pressure 0.7 - 2.5 bar
- Recommended spacing up to 10m for higher distribution uniformity.
- Trajectory Angle: 24°



### Water Distribution with Other Existing Sprinklers In The Market



### Water Distribution with 22 XU



**Performance Table**

Nozzle size (mm)	Pressure (bar)	Flow Rate (l/h)	Wetted DOC (meter)	Precipitation Rate (mm/hr) Rectangular Spacing (m)							
				8x8	8.5x8.5	9x9	9x10	10x10	9x12	10x12	12x12
	0.7	355.0	17.0	5.5	4.9	4.4	3.9	3.6	3.3	3.0	2.5
	1.0	425.0	18.0	6.6	5.9	5.2	4.7	4.3	3.9	3.5	3.0
	1.25	475.0	18.5	7.4	6.6	5.9	5.3	4.8	4.4	4.0	3.3
	1.5	525.0	18.5	8.2	7.3	6.5	5.8	5.3	4.9	4.4	3.6
	2.0	600.0	19.0	9.4	8.3	7.4	6.7	6.0	5.6	5.0	4.2
	2.5	675.0	19.0	10.5	9.3	8.3	7.5	6.8	6.3	5.6	4.7



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