

# ST-1600-HS-B

This ST-1600-HS-B offers unmatched cleaning, cooling, and flushing capabilities to prepare synthetic sports fields for play.

## KEY BENEFITS

- Nozzle choices: 6
- Standard nozzle: #20
- Nozzle range: #16 to #26
- Nozzle trajectory: 22.5°
- Isolated, grease-lubricated gear drive
- Movable stops (left and right) arc adjustment
- Arc setting: 40° to non-reversing 360°
- Ratcheting nozzle turret
- Adjustable speed of rotation: 0 to 65 seconds (high-speed models, 180° at 120 PSI)
- Warranty period: 5 years for component parts

## OPERATING SPECIFICATIONS

- Radius: 107' to 165'
- Flow: 96.2 to 326.8 GPM
- Operating pressure range: 60 to 120 PSI
- Precipitation rate: 2.25 in/hr approximately

### ST-1600 NOZZLE PERFORMANCE DATA\*

Nozzle	Pressure PSI	Radius ft.	Flow GPM	Precip in/hr	
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16 ● Black	60	107	96.2	1.63	1.88
	70	115	107.3	1.57	1.81
	90	121	117.8	1.54	1.78
	100	128	127.3	1.50	1.73
	115	135	137.4	1.46	1.69
18 ● Black	60	112	107.0	1.66	1.91
	70	121	119.4	1.56	1.80
	90	128	131.0	1.54	1.78
	100	133	141.3	1.54	1.78
	115	141	153.2	1.48	1.71
20 ● Black	60	115	144.0	2.10	2.43
	70	128	160.9	1.89	2.18
	90	141	176.5	1.71	1.97
	100	144	190.5	1.76	2.03
	115	148	204.2	1.80	2.08
22 ● Black	60	118	171.5	2.37	2.73
	70	130	191.8	2.20	2.54
	90	144	210.0	1.94	2.24
	100	151	226.9	1.84	2.12
	115	157	243.1	1.89	2.18
24 ● Black	60	121	202.1	2.64	3.05
	70	133	225.9	2.46	2.84
	90	148	247.6	2.19	2.52
	100	156	267.4	2.12	2.45
	115	160	286.4	2.16	2.49
26 ● Black	60	126	233.2	2.83	3.27
	70	136	260.4	2.71	3.13
	90	151	284.5	2.40	2.77
	100	160	307.0	2.31	2.67
	115	165	326.8	2.32	2.68

#### Note:

All precipitation rates are calculated for 180° operation.  
For the precipitation rate of a 360° sprinkler, divide by 2.

\* All radius measurements are taken at standard rotation speeds. Slowing rotation to the minimum rotation speed will add 10+ feet to the radius.



### ST-1600-HS-B (High-Speed)

Overall height: 22½"  
Pop-up height: 5"  
Diameter: 14"  
Inlet size: 2" BSP\*

\*Use BSP t.o.e. nipple adapter P/N 241400SP if desired.



### ST1600 Tool

P/N 517600SP  
For gear-drive installation and removal