

# ST-1700-V

The ST-1700-V Synthetic Turf Rotor features a Valve-in-Head and Total-Top-Serviceability design for easy installation and maintenance.

## KEY BENEFITS

- Nozzle choices: 5 ranging from nozzles 16 to 24
- Nozzle trajectory: 25°
- Total-Top-Service (TTS) design provides convenient, no-dig servicing
- Valve-in-head configuration simplifies installation
- Isolated, grease-lubricated gear drive provides smooth operation
- Arc adjustment: movable stops for left/right arc adjustment

## OPERATING SPECIFICATIONS

- Radius: 105' to 157'
- Flow: 92.4 to 259.0 GPM
- Operating pressure range: 60 to 115 PSI
- Arc setting: 40° to non-reversing 360°
- Speed of rotation: 80 seconds at 90 PSI (single 180° sweep)
- Precipitation rate: 1.8 in/hr approximately
- Warranty period: 5 years for component parts

## USER-INSTALLED OPTIONS

- Infill Barrier System Rubber Cover Kit: P/N ST-IBS-1700
- Short-Radius Nozzle Kit: P/N 959900
- Optional high-flow swing joint, 3" male inlet to 2" male outlet, 12" length: P/N HSJ-5-3-8-3-12



**ST-1700-V Rotor**  
Overall height: 26¾"  
Pop-up height: 5"  
Top: 13" x 15¼"  
Inlet size: 2" NPT



**ST-1700-V Valve Tool**  
P/N 10000100SP  
For installation and removal of inlet valve



**Snap Ring Removal Tool**  
P/N 251000SP



**Infill Barrier System Rubber Cover Kit**  
P/N ST-IBS-1700

### ST-1700-V NOZZLE PERFORMANCE DATA

Nozzle	Pressure PSI	Radius ft	Flow GPM	Precip in/hr*	
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16 ● Black	60	105	92.4	1.61	1.86
	70	115	100.1	1.46	1.69
	90	121	114.0	1.49	1.72
	100	126	123.8	1.49	1.73
	115	131	134.1	1.50	1.73
18 ● Black	60	112	106.9	1.65	1.91
	70	120	114.8	1.54	1.78
	90	126	127.0	1.53	1.77
	100	131	137.0	1.53	1.77
	115	138	148.9	1.51	1.74
20 ● Black	60	115	134.1	1.96	2.26
	70	128	151.0	1.78	2.05
	90	134	163.9	1.75	2.02
	100	141	179.8	1.74	2.01
	115	148	193.5	1.71	1.97
22 ● Black	60	116	153.6	2.18	2.52
	70	128	174.0	2.05	2.36
	90	141	188.8	1.83	2.11
	100	149	205.9	1.78	2.06
	115	154	222.0	1.80	2.08
24 ● Black	60	121	177.1	2.32	2.67
	70	133	200.9	2.19	2.53
	90	144	221.8	2.05	2.37
	100	154	239.7	1.94	2.24
	115	157	258.7	2.01	2.32

\* Precipitation rates are shown with head-to-head coverage