

ST-1700-V

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

KEY BENEFITS

- Total-Top-Service (TTS) design provides convenient no-dig servicing
- Valve-in-Head configuration simplifies installation
- Isolated, grease-lubricated gear drive
- Factory-installed rubber logo cap
- Arc adjustment: movable stops for left/right arc adjustment
- Ratcheting nozzle turret

OPERATING SPECIFICATIONS

- Radius: 105' to 157'
- Flow: 92.4 to 258.7 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 HSJ Swing Joint, 3" male NPT inlet, 2" male NPT outlet, 12" lay arm: P/N HSJ-5-3-8-3-12



ST-1700-V NOZZLE PERFORMANCE DATA

Nozzle	Pressure	Radius	Flow	Precip in/hr*	
	PSI	ft	GPM	■	▲
16 °	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 °	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 ° Factory installed	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 °	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 °	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

ST-1700-V SHORT-RADIUS NOZZLE PERFORMANCE CHART:

Nozzle	Pressure	Radius	Flow	Precip in/hr*	
	PSI	ft	GPM	■	▲
8	60	70	26.3	1.03	1.19
	70	72	28.5	1.06	1.22
	90	74	31.3	1.10	1.27
	100	76	33.2	1.11	1.28
10	60	81	37.8	1.11	1.28
	70	84	42.5	1.16	1.34
	90	86	47.1	1.23	1.42
	100	88	49.5	1.23	1.42
12	60	92	53.9	1.23	1.42
	70	94	60.5	1.32	1.52
	90	96	65.7	1.37	1.58
	100	98	69	1.38	1.60
14	60	103	69.3	1.26	1.45
	70	105	78.2	1.37	1.58
	90	108	85.5	1.41	1.63
	100	110	89.4	1.42	1.64

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

Copyright © 2026 Hunter Industries Inc. Hunter, the Hunter logo, and other marks are trademarks of Hunter Industries Inc., registered in the U.S. and certain other countries.

<https://api.hunterirrigation.com/irrigation-product/st-system/st-1700-v>
020226