

ST-1700-V-B

This all-in-one ST System includes a valve-in-head design for faster installation and maintenance for cooling, cleaning, and improving playability on synthetic turf sports fields.

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: 32 to 48 m
- Flow: 21.0 to 58.8 m³/hr; 350 to 980 l/min
- Operating pressure range: 4.0 to 8.0 bar; 400 to 800 kPa
- Arc setting: 40° to non-reversing 360°
- Speed of rotation: 80 seconds at 6.0 bar; 600 kPa (single 180° sweep)
- Precipitation rate: 45 mm/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
- Adapter, 2" (50 mm) male spigot x 2" (50 mm) male BSP: P/N 241400SP
- Optional high-flow HSJ Swing Joint, 3" male BSP inlet, 2" male BSP outlet, 30 cm lay arm: P/N HSJ-5-6-E-3-12



ST-1700V-B NOZZLE PERFORMANCE DATA

Nozzle	Pressure		Radius m	Flow		Precip mm/hr	
	bar	kPa		m ³ /hr	l/min	■	▲
16° Black	4.0	400	32.0	21.0	350	41.0	47.3
	5.0	500	35.0	22.7	379	37.1	42.8
	6.0	600	37.0	25.9	432	37.8	43.7
	7.0	700	38.5	28.1	469	38.0	43.9
	8.0	800	40.0	30.4	508	38.1	43.9
18° Black	4.0	400	34.0	24.3	405	42.0	48.5
	5.0	500	36.5	26.1	435	39.2	45.3
	6.0	600	38.5	28.8	481	38.9	44.9
	7.0	700	40.0	31.1	519	38.9	44.9
	8.0	800	42.0	33.8	564	38.3	44.3
20° Black	4.0	400	35.0	30.4	508	49.7	57.4
	5.0	500	39.0	34.3	572	45.1	52.0
	6.0	600	41.0	37.2	621	44.3	51.1
	7.0	700	43.0	40.9	681	44.2	51.0
	8.0	800	45.0	44.0	733	43.4	50.1
22° Black	4.0	400	35.5	34.9	582	55.4	63.9
	5.0	500	39.0	39.5	659	51.9	60.0
	6.0	600	43.0	42.9	715	46.4	53.6
	7.0	700	45.5	46.8	780	45.2	52.2
	8.0	800	47.0	50.4	841	45.7	52.7
24° Black	4.0	400	37.0	40.2	671	58.8	67.9
	5.0	500	40.5	45.6	761	55.6	64.2
	6.0	600	44.0	50.4	840	52.1	60.1
	7.0	700	47.0	54.5	908	49.3	57.0
	8.0	800	48.0	58.8	980	51.0	58.9

ST-1700-V SHORT-RADIUS NOZZLE PERFORMANCE CHART

Nozzle	Pressure		Radius m	Flow		Precip mm/hr	
	bar	kPa		m ³ /hr	l/min	■	▲
8	4.0	400	21.3	6.0	100	26.2	30.3
	5.0	500	21.9	6.5		26.9	31.0
	6.0	600	22.6	7.1	118	27.9	32.3
	7.0	700	23.2	7.5	126	28.1	32.4
10	4.0	400	24.7	8.6	143	28.2	32.5
	5.0	500	25.6	9.7	161	29.4	34.0
	6.0	600	26.2	10.7	178	31.1	36.0
	7.0	700	26.8	11.2	187	31.3	36.1
12	4.0	400	28.0	12.2	204	31.1	36.0
	5.0	500	28.7	13.7	229	33.5	38.7
	6.0	600	29.3	14.9	249	34.9	40.2
	7.0	700	29.9	15.7	261	35.1	40.6
14	4.0	400	31.4	15.7	262	31.9	36.9
	5.0	500	32.0	17.8	296	34.7	40.0
	6.0	600	32.9	19.4	324	35.8	41.4
	7.0	700	33.5	20.3	338	36.1	41.7

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/en-metric/irrigation-product/st-system/st-1700-v-b020326>