

ST-1600-KIT-B / ST-1600-HS-B

This all-in-one solution 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 8 bar; 800 kPa)

OPERATING SPECIFICATIONS

- Radius: 32.5 to 50.3 m
- Flow: 21.8 to 74.2 m³/hr; 364 to 1,237 l/min
- Operating pressure range: 4.0 to 8.0 bar; 400 to 800 kPa
- Precipitation rate: 60 mm/hr approximately
- Warranty period: 5 years for component parts

USER-INSTALLED OPTIONS

- Simulated concrete cover for attachment for flattened ISB (used with vault): P/N ST-FRP-1600
- ST approved adhesive for attaching artificial turf, track, or ST-FRP-1600 to infill barrier system: P/N ST-ADH-K
- ST-1600 short-radius nozzle kit: P/N 959900
- Adapter, 2" slip x 2" male BSP: P/N 241400SP
- DC-latching solenoid kit: P/N ST-LSA



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

Overall height: 57 cm
Pop-up height: 13 cm
Diameter: 36 cm
Inlet size: 2" (50 mm) BSP*

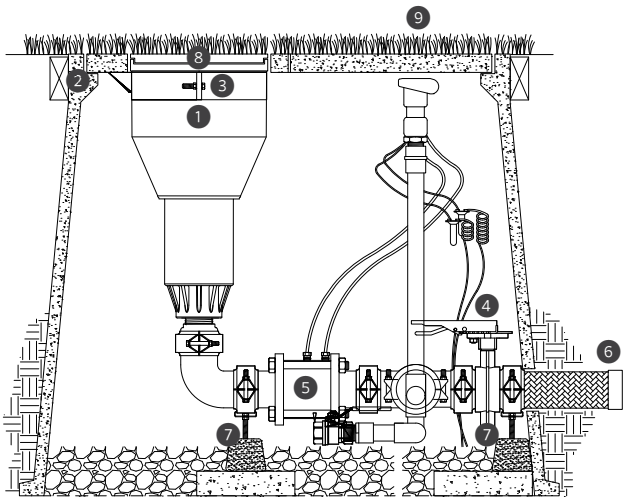
* Use P/N 241400SP adapter to 2" (50 mm) PVC pipe if needed



ST1600/ST1700 Tool

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

ST-1600-KIT-B



Victaulic is a trademark of Victaulic Company.

ST-1600-KIT-B COMPONENTS

FIGURE	COMPONENTS	QTY	DESCRIPTION
1	ST-1600-HS-B	1	High-speed pop-up, adjustable arc (40°-360°), 2" (50 mm) BSP inlet
2	ST-243636-B	1	Composite vault
3	ST-BKT-1600	1	Rotor vault hanger and grade adjustment bracket for ST-1600-HS-B rotor
4	ST-BVF30-K	1	Manifold butterfly valve and Victaulic® coupling fitting kit
5	ST-V30-KV	1	3" (80 mm) metal control valve, 80 mm grooved Victaulic inlet/outlet fitting, 91 cm remotely located solenoid and on-off-auto selector manifold
6	ST-H30-K	1	Stainless steel inlet hose 3" (80 mm) female NPT inlet
7	ST-SPT-K	2	Adjustable manifold support stand; two required per vault
8	ST-IBS-1600	1	Infill barrier system rubber cover kit for ST-1600-HS-B rotor
9	HQ-5RC	1	Quick coupler, 1" (25 mm) BSP inlet, 1/4" (32 mm) outlet for key

ST Infill Barrier System

ST-IBS-1600
Rubber cover kit with infill barrier system surface area.

ST Adjustable Hanger Bracket

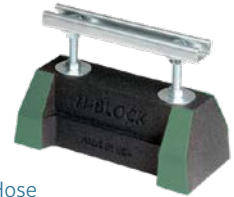
ST-BKT-1600
This bracket supports the rotor within the vault and provides vertical elevation adjustments allowing for a perfect surface transition.

ST Manifold and Isolation Valve

ST-BVF30-K
Galvanized iron manifold, including 3" (80 mm) fitting, isolation valve, and drain valve.

ST H-Block Manifold Supports

ST-SPT-K
Adjustable support stands include a large footprint base made from recycled tire rubber and a 50 mm vertically adjustable support rail (two required under manifold).

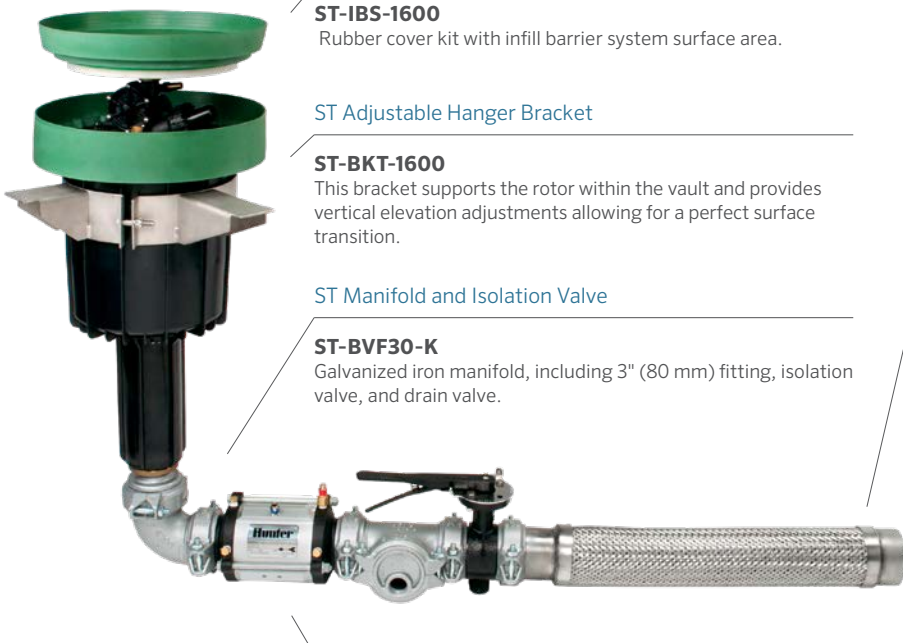


ST Flexible Stainless Inlet Hose

ST-H30-K
3" (80 mm) ultra-flexible stainless steel corrugated hose with stainless steel support braiding.

ST Low-Loss, Slow-Opening Valve

ST-V30-KV
Heavy-duty 3" (80 mm) low-pressure-loss metal valve, including on-off-auto selector and solenoid.



ST-1600 NOZZLE PERFORMANCE DATA*

Nozzle	Pressure		Radius m	Flow		Precip mm/hr	
	bar	kPa		m ³ /hr	l/min	■	▲
16 ● Black	4.0	400	32.5	21.8	364	41.4	47.8
	5.0	500	35.0	24.4	406	39.8	45.9
	6.0	600	37.0	26.8	446	39.1	45.1
	7.0	700	39.0	28.9	482	38.0	43.9
18 ● Black	4.0	400	34.0	24.3	405	42.0	48.6
	5.0	500	37.0	27.1	452	39.6	45.8
	6.0	600	39.0	29.8	496	39.1	45.2
	7.0	700	40.5	32.1	535	39.1	45.2
20 ● Black	4.0	400	35.0	32.7	545	53.4	61.7
	5.0	500	39.0	36.5	609	48.1	55.5
	6.0	600	43.0	40.1	668	43.4	50.1
	7.0	700	44.0	43.3	721	44.7	51.6
22 ● Black	4.0	400	36.0	38.9	649	60.1	69.4
	5.0	500	39.5	43.6	726	55.8	64.5
	6.0	600	44.0	47.7	795	49.3	56.9
	7.0	700	47.0	51.5	859	46.7	53.9
24 ● Black	4.0	400	37.0	45.9	765	67.1	77.4
	5.0	500	40.5	51.3	855	62.6	72.2
	6.0	600	45.0	56.2	937	55.5	64.1
	7.0	700	47.5	60.7	1012	53.8	62.2
26 ● Black	4.0	400	38.4	53.0	883	71.8	82.9
	5.0	500	41.4	59.2	986	68.8	79.5
	6.0	600	46.0	64.6	1077	61.0	70.4
	7.0	700	48.7	69.7	1162	58.6	67.7
	8.0	800	50.3	74.2	1237	58.7	67.8

SEAMLESS INTEGRATION

Blends in perfectly with the surrounding synthetic surface



ST VAULTS

The heavy-duty tapered fiberglass and polymer-concrete construction includes pre-cast holes for the rotor, quick-coupler valve, and remote manifold assembly.

Quick couplers provide a convenient source of water for washing down spills and water-soluble paint. The integrated in-vault design eliminates the need for additional quick-coupler enclosures.

The ST-V30KV valve kit includes a remotely located on-off-auto selector and solenoid manifold assembly. These convenient features bring valve manual control functions and solenoid splice connections closer to the surface for easy access.

ST-243636B: includes 76 mm thick, 4-piece PC cover set

Main cover: 61 cm x 91 cm
Overall height: 91 cm
Body weight: 70 kg
Total weight: 138 kg
Base pad: 106 cm x 122 cm
Quick-access ports: 2



① Quick Coupler ② On-Off-Auto Selector

*All radius measurements are taken at standard rotation speeds. Slowing rotation to the minimum rotation speed will add 3+ metres to the radius.