

Applications

The TG101 large radius gun sprinkler is for applications that require long distance throw, such as irrigation solely from the perimeter of sports fields, cleaning and cooling artificial turf, mining, agriculture and industrial applications.

Features

- A unique automatic breaking system adjusts automatically to varying pressures or nozzle configurations, to ensure a steady rotation speed for uniform coverage.
- Excellent uniformity using a single nozzle design (spreader nozzles not required).
- Dispersed jet upon start-up reduces run-off and over-watering.
- Self-adjusting jet breaker device to vary distribution at lower pressures or to increase close-in watering.
- Adjustable rotation speed.
- High quality, durable construction.
- Full or part-circle operation in one unit.
- Two nozzle options standard (16 or 22mm); additional range of nozzles available for speciality applications.
- Powerful and efficient stream diffusion.
- Slow reverse reduces vibration.
- Standard 50mm FBSP inlet.
- 24° Trajectory.
- Fully serviceable.
- 26-54m Radius.

Benefits

Drive System

Self-adjusting operation with excellent performance and equal rotation speed in both directions, resulting in reduced vibration and stress on the system.

Rotation Speed

Selection of three speeds, simply by shifting the lever.

Automatic Brake System

Maintenance free. Self-adjusts to the necessary brake force according to the system pressure. No adjustments are needed.

Part circle or full circle operation

The conversion is done simply by rotating the trip lever sideways.

Automatic adjustment

Innovative drive system adapts its operation automatically to all variations of operating conditions.



Slow reverse

The gun's slow, steady rotation with greatly reduced vibration in both directions has the advantage that the carts of reel hose machines stay straight on track and the risk of tip-over is reduced. This smooth operation is suitable for all irrigation systems, especially as an end gun on centre pivots, where stress on the end boom is kept to a minimum.

Distribution

The unique drive system allows a better stream diffusion.

Energy savings

The dynamic jet-breaker allows energy saving and reduction of system operating cost by running an irrigation system at lower pressures.

No maintenance

The TG101 gun is maintenance free. The modern design avoids the use of ball bearings, which can seize at contact with moisture, cause failure and result in expensive repairs. Instead, parts made of high-quality, durable and maintenance-free materials are used. This is a major consideration to keep in mind when choosing a big volume sprinkler.

Ordering Information

Code	Description
TG101	50mm FBSP Large Radius Gun Sprinkler

Performance – Tapered Bore Nozzle and Trajectory 24° (Shaded nozzles included)

Pressure kPa	Nozzle 12mm		Nozzle 14mm		Nozzle 16mm		Nozzle 18mm		Nozzle 20mm		Nozzle 22mm		Nozzle 24mm	
	Flow Lpm	Rad. m	Flow Lpm	Rad. m	Flow Lpm	Rad. m	Fow Lpm	Rad.m	Flow Lpm	Rad.m	Flow Lpm	Rad.m	Flow Lpm	Rad. m
200			177.6	26.0	231.6	27.9	293.4	29.7	362.4	31.5	438	33.1	521.4	34.7
250			198.6	28.3	259.2	30.4	328.2	32.4	405	34.3	490.2	36.1	583.2	37.8
300	159.6	27.9	217.2	30.3	283.8	32.6	359.4	34.7	443.4	36.7	537	38.7	639	40.5
350	172.2	29.5	234.6	32.1	306.6	34.5	388.2	36.8	479.4	38.9	579.6	41.0	690	43.0
400	184.2	31.1	250.8	33.8	327.6	36.3	414.6	38.7	512.4	41.0	619.8	43.1	737.4	45.2
450	195.6	32.5	266.4	35.3	348	38.0	439.8	40.5	543	42.8	657.6	45.1	782.4	47.3
500	206.4	33.8	280.8	36.8	366.6	39.5	463.8	42.1	572.4	44.6	693	46.9	824.4	49.2
550	216.0	35.1	294.6	38.1	384.6	41.0	486.6	43.7	600.6	46.2	726.6	48.7	865.2	51.0
600	225.6	36.3	307.2	39.4	401.4	42.4	508.2	45.1	627.6	47.8	759	50.3	903.6	52.7
650	235.2	37.4	319.8	40.6	417.6	43.6	528.6	46.5	652.8	49.3	790.2	51.9	940.2	54.4