

## SGS103



- ✓ *Inlet: 1" ½ female threaded made of brass*
- ✓ *Full and part circle sprinkler*
- ✓ *Nozzles range: 7 - 11 mm*

The gear drive pop-up sprinkler SGS103 has been developed especially for the irrigation of artificial grass sports fields.

Protective housing is easily accessible from above for easy maintenance and fast manual arc control and valve pressure adjustment.

### **Features:**

- Rotation speed adjustable (130-280 sec/360°)
- Central flow system reduces hydraulic friction and improves the performance efficiency
- Both left and right sectors are adjustable
- Adjusting the sector is possible when sprinkler is not in operation
- High endurance ball bearings used inside the sprinkler
- All parts including solenoid can be serviced from the top of the sprinkler without the need for digging
- Flushing techniques ensure positive pop-up and pop-down
- Manual control and pressure regulation on valve in head models can be adjusted from the top of the sprinkler (ON-OFF-AUTO)
- Snap-on connection for easy maintenance
- Nozzles exchangeable from outside
- Lid and sprinkler head complete with artificial grass top

## Specifications:

- Radius: 20,0 – 31,5 m
- Flow rate: 4,2 – 12,8 m<sup>3</sup>/h
- Operating pressure: 3,5 – 7,0 bar
- Trajectory: 25°



Installation height	350 mm
Rising height	80 mm
Outer ø housing	172 mm
Outer ø lid	65 mm

## Performance

Operating pressure	Nozzle 7 mm		Nozzle 8 mm		Nozzle 9 mm		Nozzle 10 mm		Nozzle 11 mm*	
	m <sup>3</sup> /h	m	m <sup>3</sup> /h	m	m <sup>3</sup> /h	m	m <sup>3</sup> /h	m	m <sup>3</sup> /h	m
4,0 bar	4,2	20,0	5,4	22,0	6,3	23,5	7,5	24,0	8,6	25,0
5,0 bar	4,8	22,0	6,0	24,0	7,1	25,5	8,4	27,0	9,7	28,0
6,0 bar	5,2	24,0	6,5	26,0	7,8	27,5	9,2	29,0	10,6	30,0
7,0 bar	5,6	25,0	7,0	27,0	8,5	28,5	10,0	30,0	11,4	31,5

\*Standard Nozzle preassembled

## Codification

Code	Description
SGS103	Gear driven sprinkler 1" ½ F, 30°-360° with valve in head and artificial grass

I.S.E. S.r.l. Via dell'Artigianato, 1-3 00065  
Fiano Romano (Roma) - Italy  
Tel. (+39) 0765 40191  
Fax (+39) 0765 455386  
[www.irritrol.it](http://www.irritrol.it)



[www.youtube.com/ISEontheweb](http://www.youtube.com/ISEontheweb)

**Irritrol®**