

New Base Connections!

Smooth Drive Patent # 7395977 B2

Designed for under-tree, open field & nursery applications!

Senninger's new Smooth Drive's unique *walking diffuser* helps deliver an extremely uniform pattern, without distortion from bracket legs.



HA model



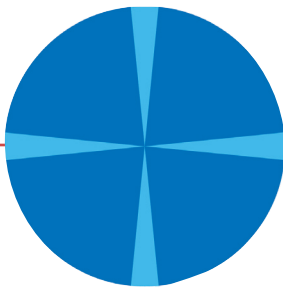
LA model

Features

- Low Angle (LA) model is ideal for undertree
- High Angle (HA) model for open field
- Walking diffuser - for outstanding uniformity, no bracket-leg shadow and gentle application
- Precision-contoured deflector - provides greater throw and enhanced distribution
- Advanced braking mechanism - for smooth, consistent rotation speed and minimal riser stress
- Rugged design - stands up in harsh field conditions
- User friendly method of assembly - no tools required for accessing nozzle
- Vandal-resistant model available - discourages theft
- 2-year warranty - on materials, workmanship AND performance

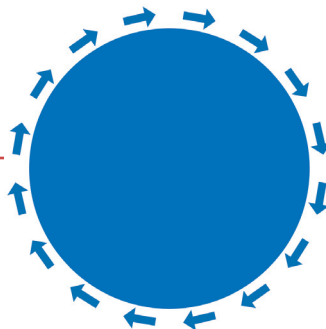
Ordinary devices

Shadow created by fixed bracket legs



Smooth Drive

Walking diffuser eliminates leg shadow



Ordinary rotating sprinklers have stationary legs that block water and create leg shadows (drier areas). The Smooth Drive's walking diffuser eliminates bracket leg shadows resulting in unobstructed uniform distribution.



Smooth Drive specifications

Flow	1.22 to 2.79 gpm	(277 to 634 L/hr)
Operating Pressure	25 to 40 psi	(1.75 to 2.76 bar)
Nozzles	#6 - 3/32"	(2.38 mm)
	#7 - 7/64"	(2.78 mm)
	#8 - 1/8"	(3.18 mm)
Connections	1/2" M NPT 1/2" socket x 3/4" socket x 1" spigot 20 mm socket x 25 mm socket	



Diffuser Assembly



Nozzle Retainer



Nozzle



Diffuser Base



HA model

Riser Adapter

The Senninger Riser Adapter (shown with Smooth Drive) has a 1/2" F NPT sprinkler connection and can be mounted securely on a 1/2" or 3/4" PVC or 5/16" steel rod stake and connected to low pressure polyethylene laterals, making it well suited for portable applications such as vegetable production.

LA model (White)

HA model (Black)



Combination
1/2" socket x
3/4" socket x
1" spigot base



Combination
20 mm socket x
25 mm socket base



1/2" M
NPT base



1/2" M
NPT base



Combination
20 mm socket x
25 mm socket base



Combination
1/2" socket x
3/4" socket x
1" spigot base

Smooth Drive

Sprinkler Base Pressure (psi)	25	30	35	40	Sprinkler Base Pressure (bar)	1.72	2.07	2.41	2.76
#6 Nozzle - Gold (3/32")					#6 Nozzle - Gold (2.38 mm)				
Flow (gpm)	1.22	1.34	1.45	1.55	Flow (L/hr)	277	304	329	352
LA Diam. at 1.5' ht (ft)	62	65	67	68	LA Diam. at 0.46 m ht (m)	18.9	19.8	20.4	20.7
HA Diam. at 1.5' ht (ft)	65	68	70	72	HA Diam. at 0.46 m ht (m)	19.9	20.8	21.4	22.0
#7 Nozzle - Lime (7/64")					#7 Nozzle - Lime (2.78 mm)				
Flow (gpm)	1.68	1.84	1.99	2.12	Flow (L/hr)	382	418	452	482
LA Diam. at 1.5' ht (ft)	63	67	68	69	LA Diam. at 0.46 m ht (m)	19.3	20.4	20.6	20.9
HA Diam. at 1.5' ht (ft)	67	72	74	77	HA Diam. at 0.46 m ht (m)	20.4	22.1	22.4	23.3
#8 Nozzle - Lavender (1/8")					#8 Nozzle - Lavender (3.18 mm)				
Flow (gpm)	2.21	2.42	2.62	2.79	Flow (L/hr)	502	550	595	634
LA Diam. at 1.5' ht (ft)	65	68	69	71	LA Diam. at 0.46 m ht (m)	19.7	20.7	20.9	21.5
HA Diam. at 1.5' ht (ft)	70	74	77	78	HA Diam. at 0.46 m ht (m)	21.5	22.6	23.3	23.8

Sprinkler performance may vary with actual field conditions. Other sizes are available; consult factory for specific performance data.
Minimum recommended height is 1.5 ft (0.46 m).