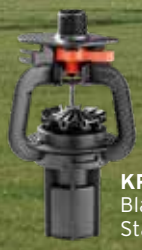
komet | INNOVATIVE IRRIGATION

komet | *Pivot*

Komet Precision Twister (KPT)

For installation on drops

The All-Arounder: with its uniform distribution pattern & optimal droplet size, this versatile pivot sprinkler suits a variety of crops, water qualities and climatic conditions



KPT
Black Deflector
Standard Trajectory

KPT
Blue Deflector
Low Trajectory

KPT
Yellow Deflector
Ultra-Low Trajectory

The Product

Optimal irrigation is based on uniform water distribution across the entire wetted area. Not only must the drops be evenly distributed, but also have the ideal droplet size: neither too small as to be prone to wind drift and evaporation, nor too large as to cause compaction and soil sealing.

The Komet Precision Twister (KPT) is the result of a ten-year development process, involving extensive research into the core elements of high-efficiency irrigation. This versatile pivot sprinkler is designed to meet all of the requirements identified in the field – including the ability to operate in harsh conditions and at low pressures.

Thanks to the KPT's ability to distribute an ideal droplet size, it is suitable for all crop types and can be used along the entire irrigation system. The interplay between sophisticated design, precision manufacturing and the use of high-quality materials ensures an extensive product lifespan.

Features and Benefits:

- Excellent distribution pattern and optimized droplet size
- High energy efficiency
- Long lasting and durable design
- Suitable for nozzle sizes from 10 – 52 1/128"
- Pressure range 6 to 20 psi
- Three deflectors available to cater for different climatic conditions (extreme wind or heat)
- For installation on flex hose, combination semi-rigid PE/hose, or semi-rigid PE drops

Available Models

Performance Data U.S. Units

komet | *Precision Twister (KPT)*

STANDARD TRAJECTORY ANGLE

Trajectory	Grooves	Nozzle range	Pressure range	Flow range	Spacing max.	Drop Type
Standard Angle	10	10 - 52 /128"	6 - 20 psi	0.44 - 21.33 gpm	20 ft	Flex hose Poly Pipe

Nozzle Size (1/128")	Throw Diameter D (ft)												Stream Height **S (in)**			
	Mounting Height **H=3ft**				Mounting Height **H=6ft**				Mounting Height **H=9ft**							
	Pressure (psi)				Pressure (psi)				Pressure (psi)				Pressure (psi)			
	6	**10**	**15**	**20**	**6**	**10**	**15**	**20**	**6**	**10**	**15**	**20**	**6**	**10**	**15**	**20**
10	27	33	39	42	33	39	45	48	37	43	49	52	22	31	34	44
16	31	38	43	46	37	44	49	52	41	48	53	57	26	33	36	45
23	35	41	47	50	41	47	53	56	45	51	57	60	27	33	39	48
29	37	43	49	52	43	49	55	58	47	53	59	62	28	34	43	49
34	38	44	50	53	44	50	56	59	48	54	60	63	28	34	46	49
40	38	44	50	53	43	50	55	59	48	54	60	63	28	35	46	49
45	37	43	49	52	43	49	54	58	47	53	59	62	28	36	46	49
52	34	40	46	49	40	46	52	55	44	50	56	59	28	36	46	49

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LOW TRAJECTORY ANGLE

Trajectory	Grooves	Nozzle range	Pressure range	Flow range	Spacing max.	Drop Type
Low Angle	10	10 - 52 /128"	6 - 20 psi	0.44 - 21.33 gpm	18 ft	Flex hose Poly Pipe

Nozzle Size (1/128")	Throw Diameter D (ft)												Stream Height **S (in)**			
	Mounting Height **H=3ft**				Mounting Height **H=6ft**				Mounting Height **H=9ft**							
	Pressure (psi)				Pressure (psi)				Pressure (psi)				Pressure (psi)			
	6	**10**	**15**	**20**	**6**	**10**	**15**	**20**	**6**	**10**	**15**	**20**	**6**	**10**	**15**	**20**
10	25	31	36	39	31	38	43	46	36	42	48	51	13	18	25	28
16	28	35	40	43	35	41	47	50	40	46	52	55	13	19	25	28
23	32	38	43	46	38	45	50	53	43	50	55	58	13	19	26	28
29	33	39	45	48	40	46	52	54	45	51	57	59	13	19	26	28
34	34	40	45	48	40	47	52	55	45	52	57	60	13	19	26	30
40	33	39	45	48	40	46	52	54	45	51	57	59	13	20	26	30
45	32	38	44	47	39	45	50	53	44	50	55	58	13	20	26	30
52	29	35	41	44	36	42	48	50	41	47	52	55	13	20	26	30

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ULTRA-LOW TRAJECTORY ANGLE

Trajectory	Grooves	Nozzle range	Pressure range	Flow ranges	Spacing max.	Drop Type
Ultra-Low Angle	10	10 - 52 /128"	6-20 psi	0.44 - 21.33 gpm	15 ft	Flex hose Poly Pipe

Nozzle Size (1/128")	Throw Diameter D (ft)												Stream Height **S (in)**			
	Mounting Height **H=3ft**				Mounting Height **H=6ft**				Mounting Height **H=9ft**							
	Pressure (psi)				Pressure (psi)				Pressure (psi)				Pressure (psi)			
	6	**10**	**15**	**20**	**6**	**10**	**15**	**20**	**6**	**10**	**15**	**20**	**6**	**10**	**15**	**20**
10	21	27	32	35	30	35	41	44	35	41	46	49	5	6	10	11
16	25	30	36	39	33	39	44	47	39	45	50	53	4	7	7	10
23	28	33	39	42	36	42	47	50	42	48	53	56	4	7	7	12
29	29	35	40	43	37	43	49	52	43	49	54	57	4	7	8	13
34	29	35	40	43	38	44	49	52	44	49	55	58	4	7	8	15
40	29	34	40	43	37	43	48	51	43	49	54	57	4	7	8	15
45	27	33	38	42	36	42	47	50	42	48	53	56	4	7	8	15
52	24	30	35	39	33	39	44	47	39	45	50	53	4	7	8	15

For optimal performance of the Komet Precision Twister (KPT) when installed on drop pipes, it is recommended to use the maximum spacing up to the 2nd span only. Keep the Komet Precision Twister (KPT) out of the crop canopy when spacing exceeds 10 ft. Install the Komet Precision Twister(KPT) with a ground clearance of at least 3 ft. Performance data regarding flow and throw in relation to mounting height and deflector type shown in the tables, originate from the mathematical model used in the Komet Pivot Calculator software. Performance data was obtained under ideal testing conditions and is the base for the mathematical model. Pressure refers to pressure at nozzle. Stream height is the height from the deflector to the highest droplets in the trajectory profile. Performance may be adversely affected by wind and other factors.

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