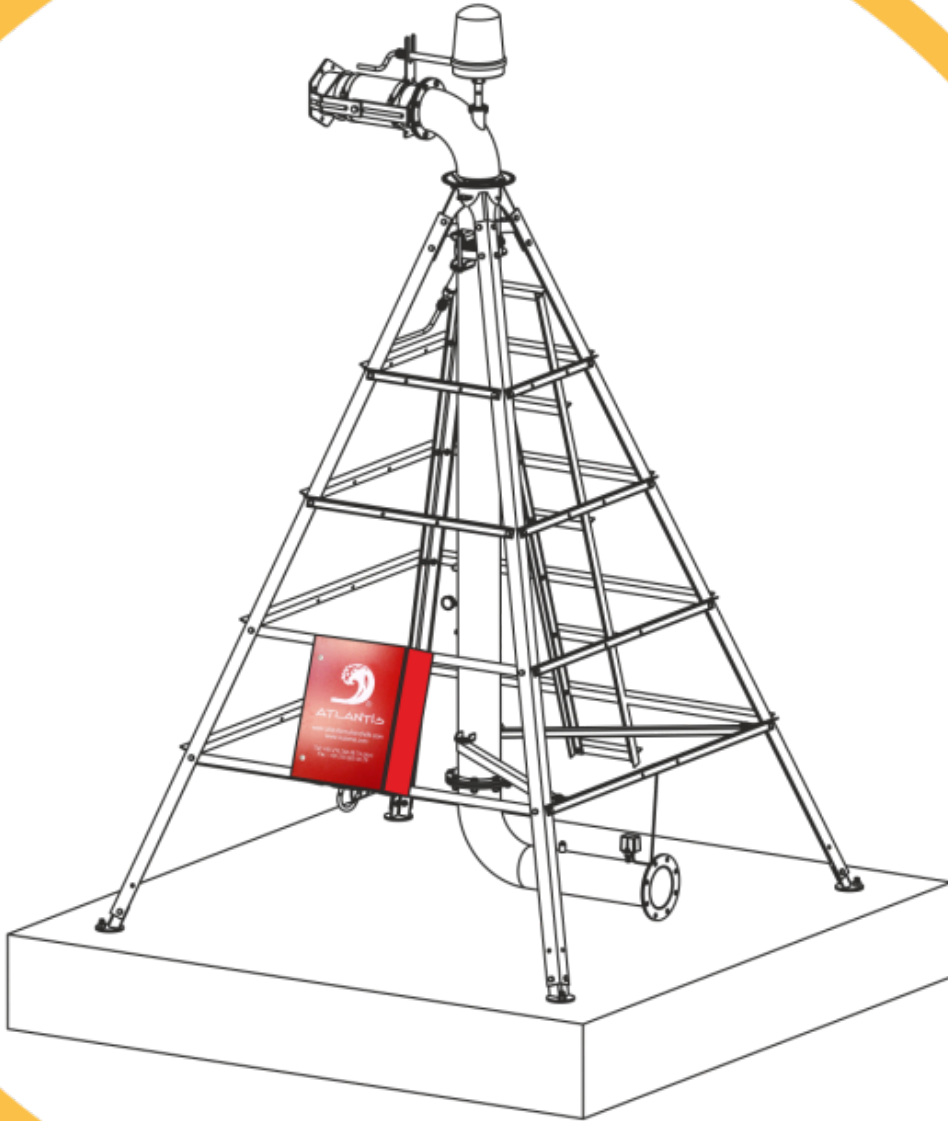


KOMET PRODUCTS

'We work with long-lasting brands for our customers'



BIG VOLUME END GUNS & NOZZLE & SPRINKLER

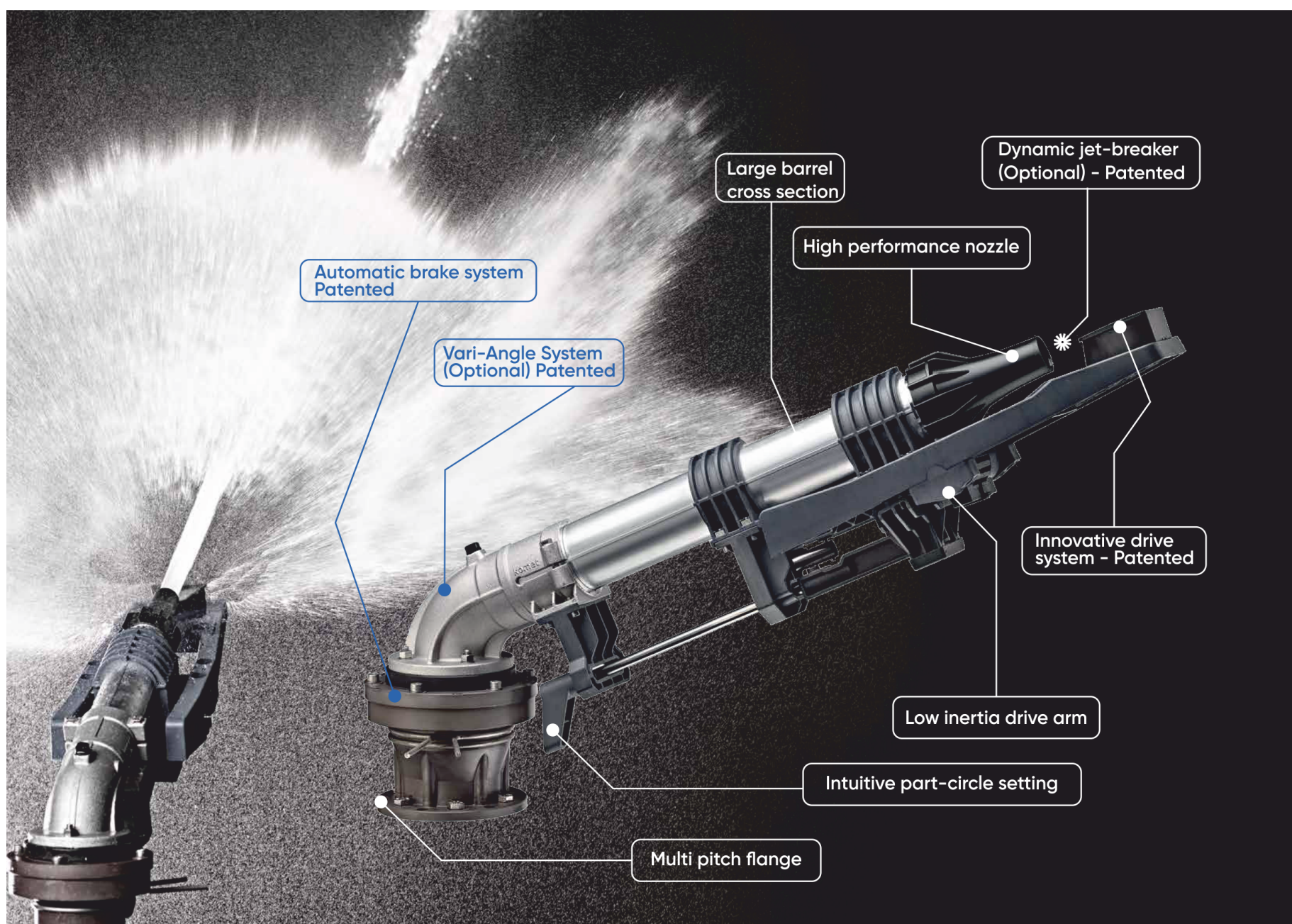


TWIN DETAIL

While conceiving new products, we must make sure that they meet the values in which we strongly believe: quality, reliability and a solid advantage to the customer. The quality of a product is a reflection of what the people who create, manufacture and market it, stand for. This approach to our work is very important to us.

Reliability is achieved by using the most suitable and functional materials for the intended purpose as well as implementing the strictest quality controls in every step throughout the manufacturing process of our products. The advantage to the customer is found in our efforts to offer products of highest quality and reliability combined with innovative features that we implement in all of them.

The Komet Twin big volume sprinklers represent our capacity to integrate innovative technology, performance and reliability.



RELIABILITY

It is important that every irrigation system operates reliably in order to avoid yield losses, waste of energy with its associated costs but more than anything to optimize the soil potential. The gun not being continuously monitored, has to operate always at its best without the necessity of adjustments or maintenance.

Komet Self Control

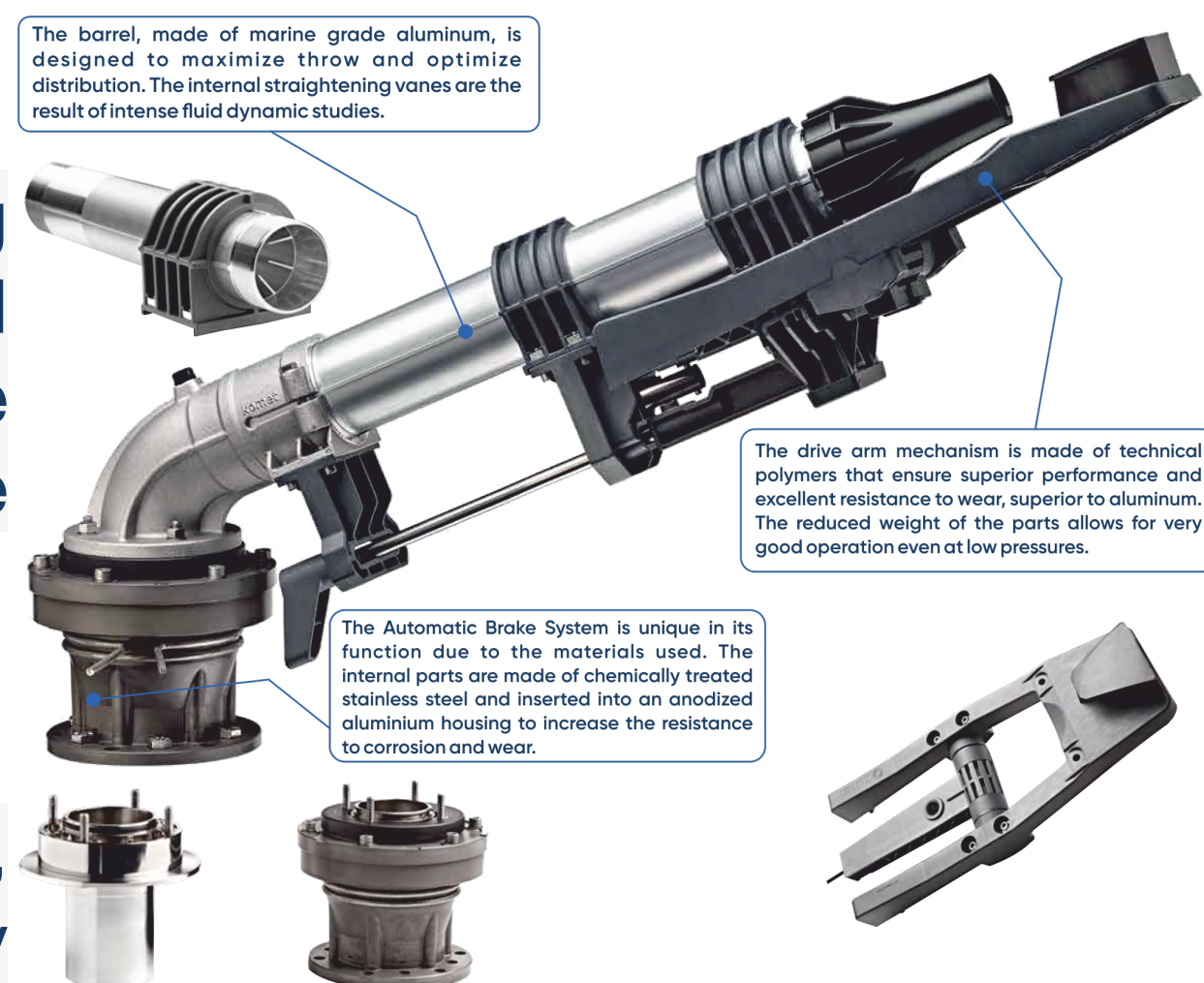
With changing operating conditions such as pressure and flow the gun self-adjusts all systems in order to allow always for an operation at best efficiency level.

Komet Design

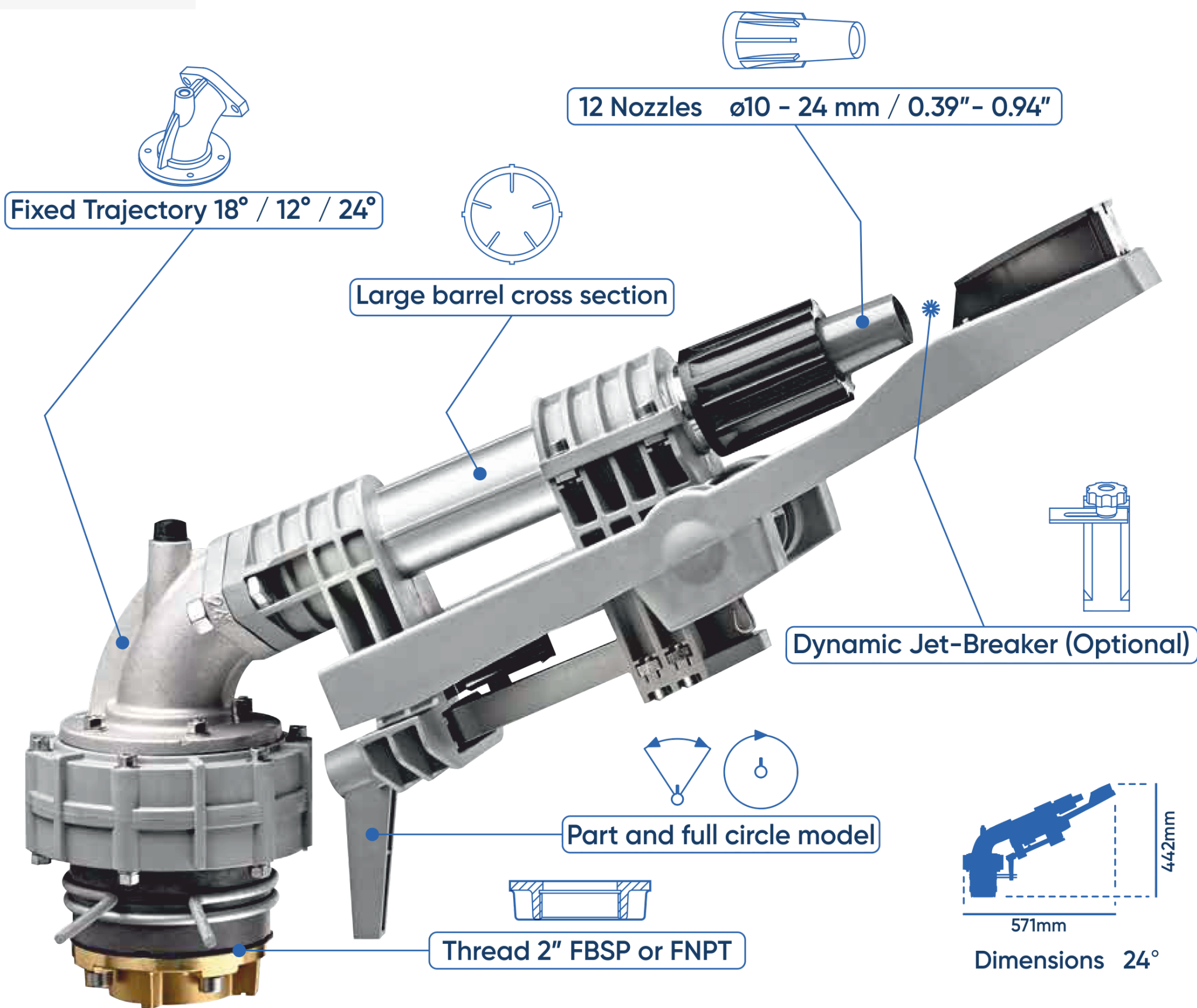
Reliability is a main concern when designing our products. Each component is developed with the utmost care and the materials are selected to satisfy the requirements of the intended application environment.

Komet Quality

The precision tooling of every component, the strict quality control during every manufacturing step and the final water test of every single gun are our guarantee of a quality control at its best.



TWIN MAX



Available Models

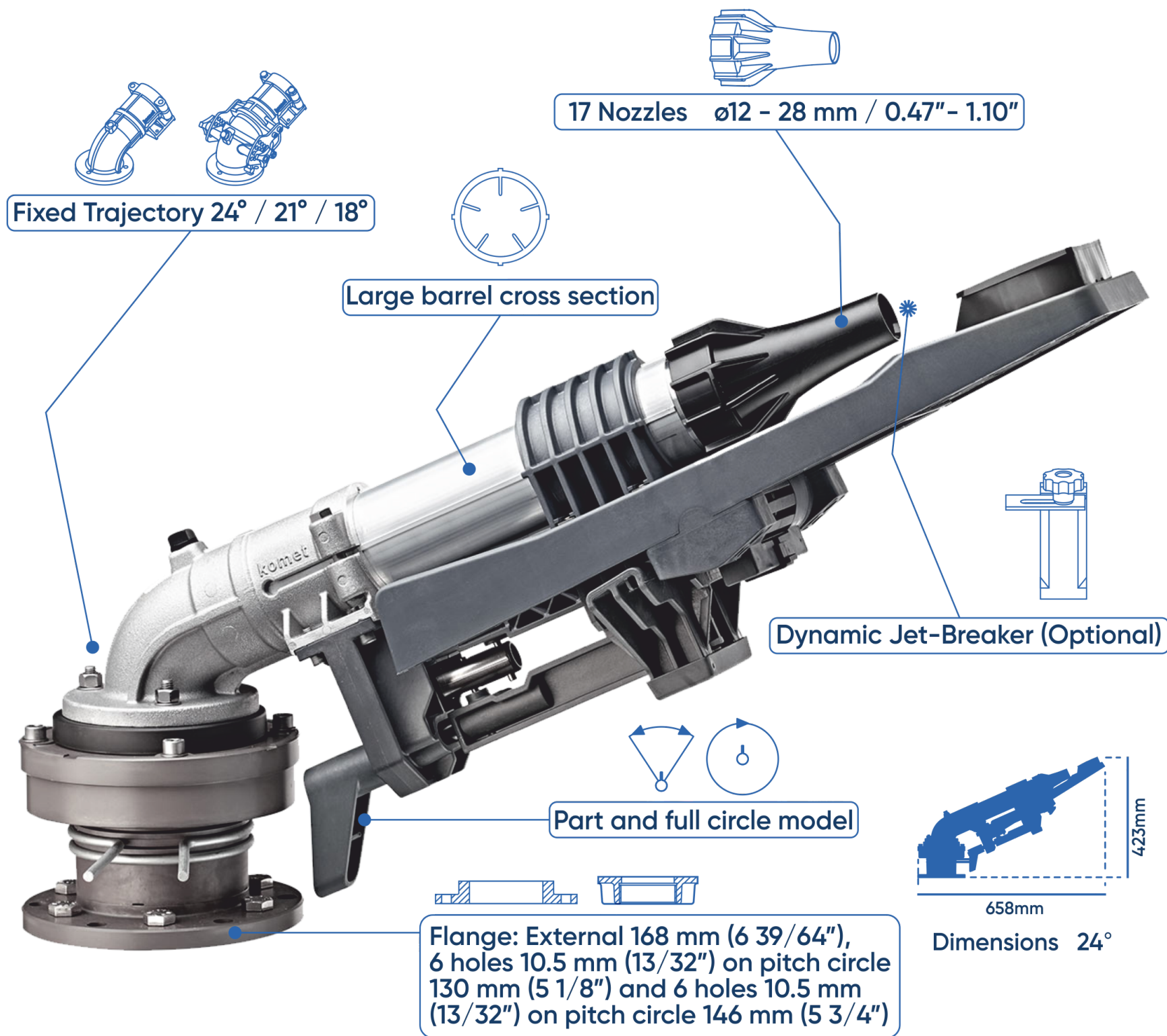


P.S. The performance data were obtained under ideal testing conditions and may be adversely affected by wind and other factors. Pressure refers to pressure at nozzle. A lowered trajectory angle improves the irrigation efficiency in windy conditions. For every 3° drop of the trajectory angle the throw is reduced by approx. 3 to 4%.

Pressure bar	Nozzle 10mm - 0.39"		Nozzle 11mm - 0.43"		Nozzle 12mm - 0.47"		Nozzle 13mm - 0.51"	
	Flow m^3/h	Radius m	Flow m^3/h	Radius m	Flow m^3/h	Radius m	Flow m^3/h	Radius m
2,0	5,4	21,8	6,6	22,9	7,8	23,9	9,2	25,1
2,5	6,1	24,1	7,3	25,3	8,7	26,5	10,3	27,6
3,0	6,7	26,3	8,1	27,7	9,6	29,1	11,2	30,2
3,5	7,2	28,1	8,7	29,3	10,3	30,9	12,1	32,0
4,0	7,7	29,8	9,3	29,5	11,1	32,7	13,0	33,8
4,5	8,1	30,8	9,9	31,3	11,7	33,7	13,8	34,9
5,0	8,6	31,8	10,4	32,3	12,4	34,6	14,5	35,9
5,5	9,0	32,9	10,9	34,2	13,0	35,5	15,2	36,9
6,0	9,4	33,9	11,4	35,2	13,5	36,4	15,9	37,9
6,5	9,8	34,6	11,9	36,0	14,1	37,2	16,6	38,7

Pressure bar	Nozzle 14mm - 0.55"		Nozzle 15mm - 0.59"		Nozzle 16mm - 0.63"		Nozzle 17mm - 0.67"		Nozzle 18mm - 0.71"		Nozzle 20mm - 0.79"		Nozzle 22mm - 0.87"		Nozzle 24mm - 0.94"	
	Flow m³/h	Radius m	Flow m³/h	Radius m	Flow m³/h	Radius m	Flow m³/h	Radius m	Flow m³/h	Radius m	Flow m³/h	Radius m	Flow m³/h	Radius m	Flow m³/h	Radius m
2,0	10,6	26,3	12,2	27,4	13,9	28,6	15,7	28,7	17,6	28,9	21,7	29,1	26,3	29,5	31,3	30,0
2,5	11,9	28,8	13,7	29,9	15,5	31,0	17,6	31,6	19,7	32,2	24,3	33,5	29,4	34,1	35,0	34,8
3,0	13,0	31,3	15,0	32,3	17,0	33,4	19,2	34,5	21,6	35,6	26,6	37,8	32,2	38,7	38,3	39,6
3,5	14,1	33,1	16,2	34,2	18,4	35,3	20,8	36,5	23,3	37,7	28,7	40,1	34,8	41,3	41,4	42,6
4,0	15,1	34,9	17,3	36,0	19,7	37,1	22,2	38,4	24,9	39,7	30,7	42,3	37,2	44,0	44,3	45,6
4,5	16,0	36,0	18,3	37,2	20,9	38,4	23,6	39,7	26,4	41,0	32,6	43,7	39,4	45,5	46,9	47,3
5,0	16,8	37,1	19,3	38,4	22,0	39,6	24,8	40,9	27,8	42,3	34,4	45,0	41,6	47,0	49,5	49,1
5,5	17,7	38,2	20,3	39,5	23,1	40,9	26,0	42,2	29,2	43,6	36,0	46,2	43,6	48,4	51,9	50,6
6,0	18,4	39,3	21,2	40,7	24,1	42,2	27,2	43,5	30,5	44,8	37,6	47,5	45,5	49,8	54,2	52,2
6,5	19,2	40,2	22,0	41,6	25,1	43,1	28,3	44,4	31,7	45,8	39,2	48,5	47,4	50,9	56,4	53,4

TWIN 101 ULTRA



Available Models



P.S. The performance data were obtained under ideal testing conditions and may be adversely affected by wind and other factors. Pressure refers to pressure at nozzle. A lowered trajectory angle improves the irrigation efficiency in windy conditions. For every 3° drop of the trajectory angle the throw is reduced by approx. 3 to 4%.

ATLANTIS
CENTER PIVOT & LINEAR IRRIGATION SYSTEMS

COUNT ON IT

Twin 101 ULTRA | Detail Table

Pressure bar	Nozzle 12mm - 0.47"		Nozzle 14mm - 0.55"		Nozzle 16mm - 0.63"	
	Flow m³/h	Radius m	Flow m³/h	Radius m	Flow m³/h	Radius m
2,0	7,8	24,2	10,6	26,5	13,8	28,9
2,5	8,7	26,8	11,9	29,0	15,4	31,3
3,0	9,6	29,4	13,0	31,6	16,9	33,7
3,5	10,3	31,2	14,1	33,3	18,2	35,5
4,0	11,1	32,9	15,1	35,1	19,5	37,3
4,5	11,7	33,9	16,0	36,2	20,7	38,6
5,0	12,4	34,8	16,8	37,3	21,8	39,8
5,5	13,0	35,7	17,7	38,4	22,9	41,1
6,0	13,5	36,6	18,4	39,5	23,9	42,4
6,5	14,1	37,4	19,2	40,4	24,9	43,3
7,0	14,6	38,2	19,9	41,2	25,8	44,2

Twin 101 ULTRA | High Performance Nozzle / Trajectory Angle 24°

Pressure bar	Nozzle 18mm - 0.71"		Nozzle 20mm - 0.79"		Nozzle 22mm - 0.87"		Nozzle 24mm - 0.94"		Nozzle 26mm - 1.02"		Nozzle 28mm - 1.10"	
	Flow m³/h	Radius m	Flow m³/h	Radius m	Flow m³/h	Radius m	Flow m³/h	Radius m	Flow m³/h	Radius m	Flow m³/h	Radius m
2,0	17,5	29,1	21,7	29,4	26,1	29,8	31,1	30,2	36,7	30,6	42,3	30,9
2,5	19,5	32,5	24,2	33,8	29,2	34,4	34,7	35,1	41,0	35,8	47,3	36,5
3,0	21,4	35,9	26,5	38,2	31,9	39,1	38,0	39,9	44,9	41,0	51,8	42,1
3,5	23,1	37,9	28,7	40,4	34,5	41,6	41,1	42,9	48,5	44,4	56,0	45,9
4,0	24,7	39,9	30,7	42,5	36,9	44,2	43,9	45,8	51,8	47,8	59,8	49,7
4,5	26,2	41,2	32,5	43,9	39,1	45,7	46,6	47,6	55,0	49,8	63,5	52,0
5,0	27,6	42,5	34,3	45,2	41,2	47,3	49,1	49,3	58,0	51,8	66,9	54,3
5,5	29,0	43,8	35,9	46,5	43,2	48,7	51,5	50,9	60,8	53,5	70,2	56,2
6,0	30,3	45,0	37,5	47,7	45,2	50,1	53,8	52,5	63,5	55,3	73,3	58,1
6,5	31,5	46,0	39,1	48,7	47,0	51,2	56,0	53,7	66,1	56,5	76,3	59,3
7,0	32,7	46,9	40,6	49,7	48,8	52,3	58,1	54,9	68,6	57,7	79,2	60,6

Twin Max | High Performance Nozzles | Trajectory Angle 24°

PSI	Nozzle 0,47"		Nozzle 0,47"		Nozzle 0,47"		Nozzle 0,47"		Nozzle 0,47"		Nozzle 0,47"		Nozzle 0,47"		Nozzle 0,47"		Nozzle 0,47"		Nozzle 0,47"		Nozzle 0,47"		Nozzle 0,47"	
	GPM	DIA	GPM	DIA	GPM	DIA	GPM	DIA	GPM	DIA	GPM	DIA	GPM	DIA	GPM	DIA	GPM	DIA	GPM	DIA	GPM	DIA	GPM	DIA
25	22	135'	27	140'	32	147'	38	154'	44	163'	50	171'	57	178'	64	180'	72	181'	89	184'	107	187'	128	190'
30	24	145'	29	152'	35	159'	41	167'	48	174'	55	182'	62	190'	70	191'	79	193'	97	196'	118	199'	140	201'
35	26	155'	32	163'	38	171'	44	179'	51	186'	59	193'	67	200'	76	205'	85	209'	105	217'	127	220'	151	224'
40	28	165'	34	174'	40	183'	47	190'	55	197'	63	204'	72	211'	81	218'	91	224'	112	237'	136	242'	162	246'
45	30	175'	36	184'	43	194'	50	201'	58	207'	67	214'	76	221'	86	229'	97	236'	119	251'	144	257'	172	263'
50	31	184'	38	194'	45	204'	53	211'	62	218'	71	225'	80	232'	91	240'	102	248'	126	264'	152	272'	181	280'
55	33	191'	40	201'	47	210'	56	217'	65	225'	74	232'	84	239'	95	247'	107	255'	132	272'	159	282'	190	292'
60	34	198'	42	207'	50	217'	58	224'	67	232'	77	239'	88	246'	99	255'	111	263'	138	281'	166	292'	198	303'
65	36	202'	43	212'	52	221'	61	229'	70	236'	81	244'	92	252'	103	260'	116	269'	143	286'	173	298'	206	311'
70	37	207'	45	216'	54	225'	63	233'	73	241'	84	249'	95	257'	107	266'	120	275'	149	292'	180	305'	214	318'
80	40	216'	48	225'	57	233'	67	242'	78	251'	89	260'	102	269'	115	277'	129	286'	159	304'	192	318'	229	333'
90	42	225'	51	233'	61	241'	71	251'	83	261'	95	270'	108	280'	122	288'	137	297'	169	315'	204	330'	243	346'
100	44	231'	54	240'	64	248'	75	258'	87	268'	100	278'	114	288'	128	296'	144	305'	178	323'	215	340'	256	357'
110	47	235'	56	245'	67	255'	79	265'	91	274'	105	284'	119	293'	135	303'	151	312'	186	330'	225	348'	268	366'

Twin 101 ULTRA | High Performance Nozzles | Trajectory Angle 24°

PSI	Nozzle 0,47"		Nozzle 0,55"		Nozzle 0,63"		Nozzle 0,71"		Nozzle 0,79"		Nozzle 0,87"		Nozzle 0,94"		Nozzle 1,02"		Nozzle 1,10"	
	GPM	DIA	GPM	DIA	GPM	DIA	GPM	DIA	GPM	DIA	GPM	DIA	GPM	DIA	GPM	DIA	GPM	DIA
30	35	161'	48	176'	62	192'	78	195'	97	198'	117	201'	139	203'	164	206'	189	208'
40	40	185'	55	200'	71	214'	90	227'	112	240'	135	244'	161	249'	190	254'	219	260'
50	45	205'	62	219'	80	233'	101	249'	125	266'	151	274'	180	282'	212	292'	245	302'
60	50	218'	67	233'	87	247'	111	265'	137	282'	165	293'	197	304'	232	318'	268	331'
70	54	226'	73	242'	94	258'	119	276'	148	294'	178	307'	212	320'	251	336'	289	352'
80	57	235'	78	252'	101	270'	128	288'	158	305'	191	320'	227	334'	268	352'	309	370'
90	61	243'	83	262'	107	281'	135	299'	168	316'	202	332'	241	348'	284	367'	328	385'
100	64	250'	87	269'	113	289'	143	307'	177	325'	213	342'	254	359'	300	377'	346	396'
110	67	256'	91	276'	118	295'	150	313'	186	332'	224	350'	266	368'	314	386'	363	404'

Twin 140 ULTRA | High Performance Nozzles | Trajectory Angle 24°

PSI	Nozzle 0,63"		Nozzle 0,71"		Nozzle 0,79"		Nozzle 0,87"		Nozzle 0,94"		Nozzle 1,02"		Nozzle 1,10"		Nozzle 1,18"		Nozzle 1,26"		Nozzle 1,34"	
	GPM	DIA	GPM	DIA	GPM	DIA	GPM	DIA	GPM	DIA	GPM	DIA	GPM	DIA	GPM	DIA	GPM	DIA	GPM	DIA
30	62	192'	78	196'	97	199'	117	202'	139	204'	164	207'	189	209'	217	211'	249	213'	280	215'
40	71	215'	90	228'	112	241'	135	246'	161	250'	190	256'	219	261'	251	266'	288	270'	323	273'
50	80	234'	101	251'	125	267'	151	275'	180	284'	212	294'	245	304'	281	311'	322	318'	361	324'
60	87	248'	111	266'	137	283'	165	295'	197	306'	232	319'	268	333'	308	343'	353	354'	395	363'
70	94	260'	119	277'	148	295'	178	308'	212	321'	251	337'	289	353'	332	367'	381	381'	427	393'
80	101	271'	128	289'	158	307'	191	321'	227	336'	268	354'	309	372'	355	387'	407	402'	457	417'
90	107	282'	135	300'	168	318'	202	334'	241	350'	284	369'	328	387'	377	403'	432	419'	484	436'
100	113	290'	143	308'	177	326'	213	343'	254	360'	300	379'	346	398'	397	414'	455	430'	511	449'
110	118	296'	150	315'	186	334'	224	352'	266	369'	314	388'	363	406'	416	423'	478	439'	535	459'

Twin 160 ULTRA | High Performance Nozzles | Trajectory Angle 24°

PSI	Nozzle 0,71"		Nozzle 0,79"		Nozzle 0,87"		Nozzle 0,94"		Nozzle 1,02"		Nozzle 1,10"		Nozzle 1,18"		Nozzle 1,26"		Nozzle 1,34"		Nozzle 1,42"		Nozzle 1,50"		Nozzle 1,57"	
	GPM	DIA	GPM	DIA	GPM	DIA	GPM	DIA	GPM	DIA	GPM	DIA	GPM	DIA	GPM	DIA	GPM	DIA	GPM	DIA	GPM	DIA	GPM	DIA
40	92	227'	113	240'	137	244'	163	248'	192	254'	222	259'	255	264'	292	268'	327	271'	366	274'	409	277'	450	280'
50	102	256'	127	273'	153	282'	182	290'	215	301'	248	311'	285	318'	326	325'	366	332'	409	338'	458	345'	503	350'
60	112	275'	139	293'	167	305'	199	316'	235	330'	272	344'	312	355'	357	366'	400	376'	449	386'	501	397'	551	403'
70	121	285'	150	303'	181	317'	215	330'	254	347'	294	363'	337	377'	386	391'	433	404'	484	417'	541	431'	595	438'
80	130	294'	160	312'	193	327'	230	341'	272	360'	314	378'	360	393'	412	409'	462	424'	518	439'	579	454'	636	464'
90	137	303'	170	321'	205	337'	244	353'	288	372'	333	391'	382	407'	437	423'	490	440'	549	456'	614	473'	675	484'
100	145	311'	179	330'	216	347'	257	364'	304	383'	351	402'	403	418'	461	434'	517	453'	579	472'	647	490'	711	502'
110	152	319'	188	338'	226	356'	270	374'	319	393'	368	412'	423	428'	484	445'	542	465'	607	485'	679	505'	746	519'
120	159	326'	196	346'	237	365'	281	384'	333	402'	384	420'	441	437'	505	453'	566	475'	634	495'	709	516'	779	533'
130	165	334'	204	354'	246	373'	293	393'	347	410'	400	428'	460	445'	526	461'	589	482'	660	503'	738	523'	811	540'

Twin 202 ULTRA | High Performance Nozzles | Trajectory Angle 24°

PSI	Nozzle 0,87"		Nozzle 0,94"		Nozzle 1,02"		Nozzle 1,10"		Nozzle 1,18"		Nozzle 1,26"		Nozzle 1,34"		Nozzle 1,42"		Nozzle 1,50"		Nozzle 1,57"		Nozzle 1,65"		Nozzle 1,73"		Nozzle 1,77"		
	GPM	DIA	GPM	DIA	GPM	DIA	GPM	DIA	GPM	DIA	GPM	DIA	GPM	DIA	GPM	DIA	GPM	DIA	GPM	DIA	GPM	DIA	GPM	DIA	GPM	DIA	GPM
40	137	247'	163	252'	192	257'	222	263'	255	267'	292	271'	327	274'	366	278'	409	281'	450	283'	496	285'	548	288'	573	290'	
50	153	285'	182	294'	215	304'	248	315'	285	322'	326	330'	366	336'	409	343'	458	349'	503	354'	555	358'	613	363'	640	362'	
60	167	307'	199	319'	235	333'	272	347'	312	358'	357	369'	400	379'	449	389'	501	400'	551	407'	608	415'	671	422'	701	424'	
70	181	319'	215	332'	254	349'	294	365'	337	379'	386	393'	433	406'	484	420'	541	433'	595	443'	656	453'	725	464'	758	469'	
80	193	328'	230	343'	272	361'	314	380'	360	395'	412	411'	462	426'	518	441'	579	456'	636	468'	702	481'	775	493'	810	499'	
90	205	338'	244	355'	288	374'	333	393'	382	409'	437	425'	490	442'	549	459'	614	475'	675	489'	744	503'	822	517'	859	523'	
100	216	349'	257	366'	304	385'	351	404'	403	420'	461	437'	517	456'	579	474'	647	493'	711	508'	784	523'	867	538'	905	546'	
110	226	359'	270	377'	319	396'	368	415'	423	431'	484	448'	542	469'	607	489'	679	509'	746	524'	823	541'	909	557'	950	565'	
120	237	369'	281	388'	333	407'	384	425'	441	442'	505	459'	566	480'	634	501'	709	522'	779	538'	859	555'	950	572'	992	581'	
130	246	377'	293	397'	347	415'	400	433'	460	449'	526	466'	589	487'	660	508'	738	529'	811	546'	894	563'	988	581'	1032	590'	

P.S. The performance data were obtained under ideal testing conditions and may be adversely affected by wind and other factors. Pressure refers to pressure at nozzle. A lowered trajectory angle improves the irrigation efficiency in windy conditions. For every 3° drop of the trajectory angle the throw is reduced by approx. 3 to 4%.

TWIN MAX



TWIN MAX PIVOT 18°

- Fixed trajectory 18°
- 12 Performance taper bore nozzles
Ø10 - 24 mm / 0.39" - 0.94"
- Part and full circle model
- 2" Thread



TWIN MAX PIVOT 12°

- Fixed trajectory 18°
- 12 Performance taper bore nozzles
Ø10 - 24 mm / 0.39" - 0.94"
- Part and full circle model
- 2" Thread



TWIN MAX 24°

- Fixed trajectory 24°
- 12 Performance taper bore nozzles
Ø10 - 24 mm / 0.39" - 0.94"
- Part and full circle model
- 2" Thread

TWIN 101 ULTRA



TWIN 101 ULTRA 24° - 21°

- Fixed trajectory 24° / 21°
- 17 Performance taper bore nozzles
Ø12 - 28 mm / 0.47" - 1.10"
- Part and full circle model
- Flange
- 2" Thread



TWIN 101 ULTRA PIVOT 18°

- Fixed trajectory 18°
- 17 Performance taper bore nozzles
Ø12 - 28 mm / 0.47" - 1.10"
- Part and full circle model
- 2" Thread



TWIN 101 ULTRA VARI ANGLE

- Adjustable trajectory 15°-45°
- 17 Performance taper bore nozzles
Ø12 - 28 mm / 0.47" - 1.10"
- Part and full circle model
- Flange
- 2" Thread



TWIN 101 ULTRA FULL CIRCLE

- Fixed trajectory 24°
- 17 Performance taper bore nozzles
Ø12 - 28 mm / 0.47" - 1.10"
- Part and full circle model
- Flange
- 2" Thread

TWIN 104 ULTRA



TWIN 104 ULTRA 24° - 21°

- Fixed trajectory 24° / 21°
- 19 Performance taper bore nozzles
Ø16 - 34 mm / 0.63" - 1.34"
- Part and full circle model
- Flange



TWIN 104 ULTRA VARI ANGLE

- Fixed trajectory 15° / 45°
- 19 Performance taper bore nozzles
Ø16 - 34 mm / 0.63" - 1.34"
- Part and full circle model
- Flange



TWIN 104 ULTRA INVERTER

- Fixed trajectory 24°
- 19 Performance taper bore nozzles
Ø16 - 34 mm / 0.63" - 1.34"
- Part and full circle model
- Flange

TWIN 160 ULTRA



TWIN 160 ULTRA 24° - 21°

- Fixed trajectory 24° / 21°
- 23 Performance taper bore nozzles
Ø18 - 40 mm / 0.71" - 1.57"
- Part and full circle model
- Flange



TWIN 160 ULTRA FULL CIRCLE

- Fixed trajectory 24°
- 23 Performance taper bore nozzles
Ø18 - 40 mm / 0.71" - 1.57"
- Part and full circle model
- Flange



TWIN 160 ULTRA VARI ANGLE

- Adjustable trajectory 15°-45°
- 23 Performance taper bore nozzles
Ø18 - 40 mm / 0.71" - 1.57"
- Part and full circle model
- Flange



TWIN 160 ULTRA INVERTER

- Fixed trajectory 24°
- 23 Performance taper bore nozzles
Ø18 - 40 mm / 0.71" - 1.57"
- Part and full circle model
- Flange

TWIN 202 ULTRA



TWIN 202 ULTRA 24°

- Fixed trajectory 24°
- 24 Performance taper bore nozzles
Ø22 - 45 mm / 0.87" - 1.77"
- Part and full circle model
- Flange



TWIN 202 ULTRA VARI ANGLE

- Adjustable trajectory 15°-45°
- 24 Performance taper bore nozzles
Ø22 - 45 mm / 0.87" - 1.77"
- Part and full circle model
- Flange



TWIN 202 ULTRA INVERTER

- Fixed trajectory 24°
- 24 Performance taper bore nozzles
Ø22 - 45 mm / 0.87" - 1.77"
- Part and full circle model
- Flange

PIVOT SPRINKLER

The quality of a product is a direct reflection of the principles of the people who design, manufacture and market it. When developing new products, we at Komet must make sure that they live up to the values in which we strongly believe: quality, reliability and a solid advantage to the customer. These are the core values that all Komet products are built upon. By combining highly engineered materials and the strictest quality controls, we manufacture reliability into every product we make. Add to that the industry exclusive innovative features implemented into all of our products, and the advantages to our customers are obvious. The Komet Pivot Sprinkler Products represent the pinnacle of quality, innovative technology, performance and reliability.



Komet Rapid Fit Nozzle System

Komet Precision Regulator (KPR)



Complete line of All-Flow Pressure Regulators

Komet Precision Spray (KPS)



Complete line of LESA/LEPA sprinkler devices

Komet Precision Twister (KPT)



Complete line of distribution devices for installation on drops and on top of pipe



Truss Rod Clip (TRC)

ADAPTABILITY

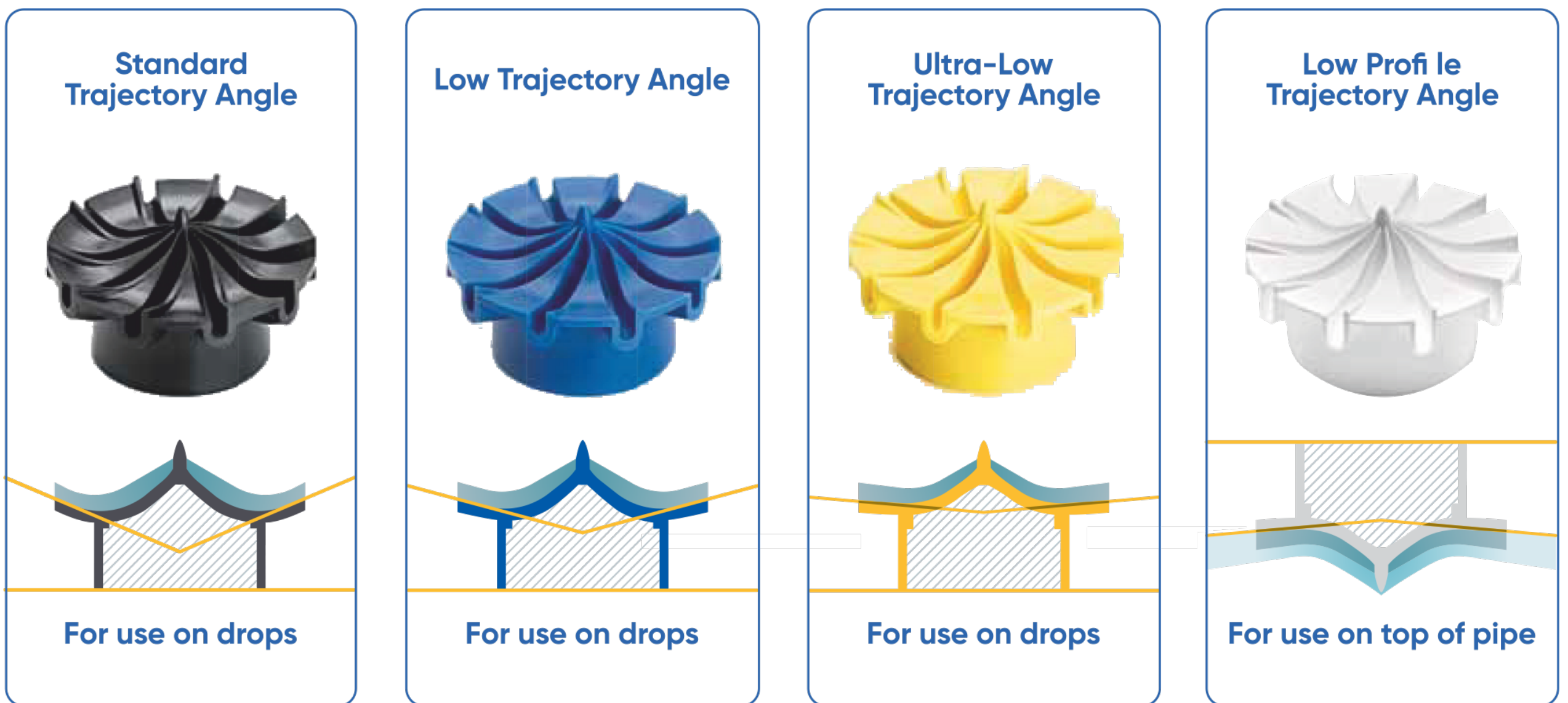
It is fundamental that a pivot sprinkler adapts to different application conditions while maintaining excellent performance. The sprinkler must be able to cope with a wide range of environmental factors such as soil type, terrain, atmospheric conditions, water quality as well as different crops. For optimal irrigation the grower must have the ability to adapt to its prevailing factors.

KOMET TRAJECTORY ANGLES

Working closely with growers allowed us to identify and develop four different defl ectors to maximize the irrigation effi ciency for different application requirements. For use on drops: Standard angle suitable for most applications, low angle for applications in windy conditions or where higher ground clearance is required without water interfering with the pivot structure and ultra-low angle for extreme conditions such as high winds, high heat and/or low fl ow and where it is most important to get the water to the soil. For use on top of pipe: Low profile trajectory suitable for all applications when sprinkler installation on top of pipe is required.

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KOMET RAPID FIT NOZZLE SYSTEM

The Komet Rapid Fit Nozzle System allows for a fast and easy installation of the nozzle into the sprinkler. There is no need to remove the sprinkler from the drop assembly should the nozzle be plugged or in case it needs to be changed for different flow requirements. The nozzle can be removed for cleaning or replacing while the sprinkler is operating.

The Komet Precision Twister (KPT) comes with a 2nd nozzle carrier integrated into the sprinkler body. It is very useful should the irrigation require different flow rates during the irrigation season.



KOMET TRUSS ROD CLIP

Lowering the application rate, can be a decisive advantage in irrigation. A suitable solution is to increase the wetted area by using drops over the truss rod, fixed with the Komet Truss Rod Clip. The design of the Komet Truss Rod Clip allows for an easy fixation on the truss rod while maintaining the natural shape of the hose. To facilitate selection, 4 models with two size combinations each are available, covering all common rod sizes.



RAPID FIT NOZZLE NOZZLE IDENTIFICATION

Nozzles are identified by the industry standard color code and orifice sizes are based on 128th inch increments.

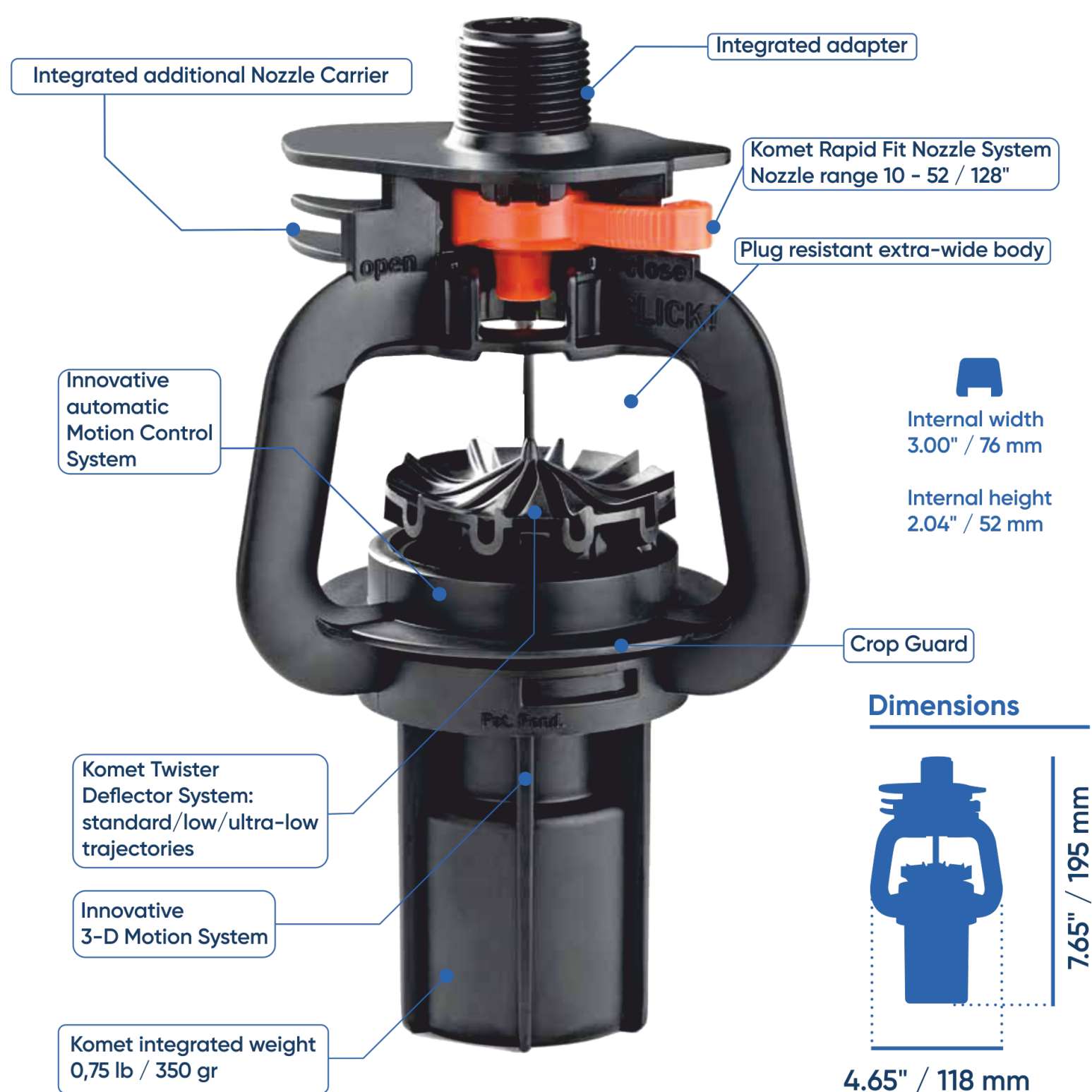
1. All EVEN nozzle sizes have a full tip of the lever.
2. All ODD nozzle sizes have a notched tip of the lever.



Rapid Fit Nozzle		US UNITS (GPM)				METRIC UNITS (L/Hr)			
Nozzle size in 1/128" increments	COLOR	Pressure at nozzle				Pressure at nozzle			
		6 PSI	10 PSI	15 PSI	20 PSI	0,41 bar	0,69 bar	1,03 bar	1,38 bar
		Flow (GPM)				Flow (GPM)			
8	Light Blue	0.28	0.37	0.46	0.53	64,7	84,2	103,8	120,5
9	Light Blue	0.36	0.47	0.58	0.67	81,7	106,4	131,2	152,2
10	Beige	0.44	0.58	0.71	0.83	100,7	131,1	161,6	187,5
11	Beige	0.54	0.70	0.86	1.00	121,6	158,4	195,3	226,6
12	Gold	0.64	0.83	1.02	1.19	144,6	188,2	232,1	269,3
13	Gold	0.75	0.97	1.20	1.39	169,4	220,6	272,0	315,6
14	Lime	0.86	1.13	1.39	1.61	196,3	255,6	315,1	365,6
15	Lime	0.99	1.29	1.59	1.85	225,1	293,0	361,3	419,2
16	Lavender	1.13	1.47	1.81	2.10	255,8	333,1	410,7	476,5
17	Lavender	1.27	1.65	2.04	2.37	288,5	375,6	463,2	537,4
18	Grey	1.42	1.85	2.28	2.65	323,1	420,7	518,8	601,9
19	Grey	1.58	2.06	2.54	2.95	359,7	468,4	577,5	670,1
20	Turquoise	1.75	2.28	2.82	3.27	398,3	518,6	639,4	741,8
21	Turquoise	1.93	2.52	3.10	3.60	438,8	571,3	704,4	817,2
22	Yellow	2.12	2.76	3.40	3.95	481,2	626,5	772,5	896,3
23	Yellow	2.31	3.01	3.71	4.31	525,5	684,2	843,7	978,9
24	Red	2.52	3.28	4.04	4.69	571,8	744,5	918,0	1065,1
25	Red	2.73	3.55	4.38	5.09	620,1	807,3	995,5	1155,0
26	White	2.95	3.84	4.74	5.50	670,2	872,7	1076,0	1248,4
27	White	3.18	4.14	5.11	5.92	722,4	940,5	1159,7	1345,5
28	Blue	3.42	4.45	5.49	6.37	776,4	1010,9	1246,4	1446,2
29	Blue	3.66	4.77	5.88	6.83	832,4	1083,8	1336,3	1550,4
30	Dark Brown	3.92	5.10	6.29	7.30	890,3	1159,2	1429,3	1658,3
31	Dark Brown	4.18	5.45	6.72	7.79	950,1	1237,1	1525,3	1769,8
32	Orange	4.46	5.80	7.15	8.30	1011,9	1317,5	1624,5	1884,8
33	Orange	4.59	5.98	7.38	8.56	1043,5	1358,6	1675,3	1943,7
34	Dark Green	4.88	6.35	7.83	9.09	1108,2	1442,8	1779,1	2064,1
35	Dark Green	5.17	6.73	8.30	9.63	1174,8	1529,5	1886,0	2188,2
36	Purple	5.47	7.13	8.79	10.20	1243,3	1618,7	1996,0	2315,8
37	Purple	5.78	7.53	9.29	10.77	1313,7	1710,5	2109,1	2447,0
38	Black	6.10	7.95	9.80	11.37	1386,1	1804,7	2225,2	2581,8
39	Black	6.43	8.37	10.32	11.98	1460,4	1901,4	2344,5	2720,2
40	Dark Turquoise	6.77	8.81	10.86	12.60	1536,6	2000,6	2466,9	2862,1
41	Dark Turquoise	7.11	9.26	11.41	13.24	1614,7	2102,4	2592,3	3007,7
42	Mustard	7.46	9.72	11.98	13.90	1694,8	2206,6	2720,8	3156,8
43	Mustard	7.82	10.19	12.56	14.57	1776,8	2313,4	2852,4	3309,5
44	Maroon	8.19	10.67	13.15	15.26	1860,7	2422,6	2987,1	3465,8
45	Maroon	8.57	11.16	13.76	15.96	1946,5	2534,3	3124,9	3625,6
46	Cream	8.96	11.66	14.38	16.68	2034,2	2648,6	3265,8	3789,1
47	Cream	9.35	12.18	15.01	17.42	2123,9	2765,3	3409,7	3956,1
48	Dark Blue	9.75	12.70	15.66	18.17	2215,4	2884,5	3556,7	4126,6
49	Dark Blue	10.17	13.24	16.32	18.94	2308,9	3006,2	3706,8	4300,8
50	Copper	10.59	13.78	16.99	19.72	2404,3	3130,5	3860,0	4478,5
51	Copper	11.01	14.34	17.68	20.52	2501,7	3257,2	4016,2	4659,7
52	Gold	11.45	14.91	18.38	21.33	2600,9	3386,4	4175,5	4844,4

Disclaimer: This flow data was obtained under ideal testing conditions and may be affected by poor hydraulic flow conditions, turbulences and other conditions.

PRECISION TWISTER (KPT) KEY FEATURES



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PRECISION TWISTER (KPT) AVAILABLE MODELS

STANDARD TRAJECTORY ANGLE

Standard Angle with multi trajectory suitable for most applications. Unmatched droplet size consistency over the entire throw and nozzle range. Large wetted diameter and gentle water application with low instantaneous application.



LOW TRAJECTORY ANGLE

Low Angle with multi trajectory suitable for applications in windy conditions. Unmatched droplet size consistency over the entire throw and nozzle range. Large wetted diameter with reduced wind drift.



ULTRA-LOW TRAJECTORY ANGLE

Ultra-Low Angle with multi trajectory suitable for applications in high wind, high heat conditions and/or low flow. Unmatched droplet size consistency over the entire throw and nozzle range. Very little wind drift.



LOW PROFILE TRAJECTORY FOR USE ON TOP OF PIPE

Low Profile Multi-Trajectory suitable for all on top of pipe applications with unmatched droplet size consistency. Large wetted diameter, gentle water application with low instantaneous application, and reduced wind drift. Komet KPT-Link connector required for installation.



Performance Data Metric Units



Performance data



Precision Twister (KPT)		STANDARD TRAJECTORY ANGLE					
Deflector Specifications		Operating Parameters				Installation	
Trajectory	Grooves	Nozzle Range (mm)	Pressure Range (bar)	Flow Range (l/hr)	Spacing Max. (m)	Drop Type	
Standard Angle	10	2,0 - 10,3	0,41 - 1,38	100,7 - 4844,4	6,1	Flex hose Poly Pipe	

Nozzle Size		Throw Diameter												Stream Height S (m)			
		Installation Height H=0,9m				Installation Height H=1,8m				Installation Height H=2,7m							
		Pressure (bar)		Pressure (bar)		Pressure (bar)		Pressure (bar)		Pressure (bar)		Pressure (bar)		Pressure (bar)			
mm	1/128"	0,41	0,69	1,03	1,38	0,41	0,69	1,03	1,38	0,41	0,69	1,03	1,38	0,41	0,69	1,03	1,38
2,0	10	8,2	10,2	11,8	12,8	10,0	12,0	13,6	14,6	11,3	13,2	14,9	15,9	0,55	0,79	0,87	1,13
3,2	16	9,5	11,5	13,2	14,1	11,3	13,3	15,0	15,9	12,6	14,6	16,3	17,2	0,65	0,85	0,91	1,15
4,6	23	10,6	12,6	14,3	15,3	12,4	14,4	16,1	17,1	13,7	15,7	17,4	18,3	0,69	0,85	1,00	1,21
5,8	29	11,2	13,2	14,9	15,8	13,0	15,0	16,7	17,6	14,3	16,3	18,0	18,9	0,70	0,87	1,10	1,25
6,7	34	11,5	13,4	15,1	16,1	13,3	15,2	16,9	17,9	14,5	16,5	18,2	19,2	0,70	0,87	1,17	1,25
7,9	40	11,4	13,4	15,1	16,0	13,2	15,2	16,9	17,8	14,5	16,5	18,2	19,1	0,70	0,90	1,17	1,25
8,9	45	11,1	13,1	14,8	15,8	12,9	14,9	16,6	17,6	14,2	16,2	17,9	18,8	0,70	0,92	1,17	1,25
10,3	52	10,3	12,3	14,0	15,0	12,1	14,1	15,8	16,8	13,4	15,4	17,1	18,0	0,70	0,92	1,17	1,25

Performance data



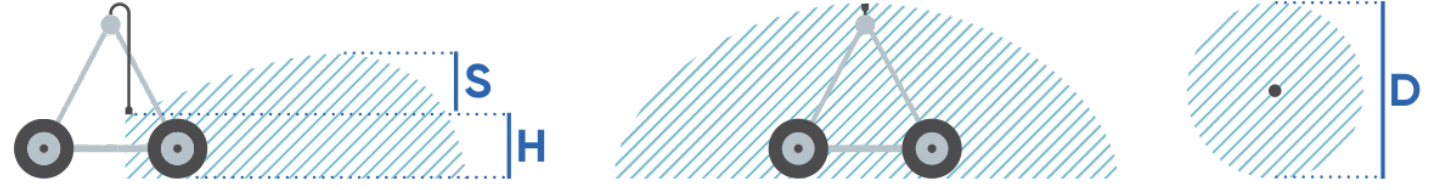
Precision Twister (KPT)		LOW TRAJECTORY ANGLE					
Deflector Specifications		Operating Parameters				Installation	
Trajectory	Grooves	Nozzle Range (mm)	Pressure Range (bar)	Flow Range (l/hr)	Spacing Max. (m)	Drop Type	
Low Angle	10	2,0 - 10,3	0,41 - 1,38	100,7 - 4844,4	5,5	Flex Hose Poly Pipe	

Nozzle Size		Throw Diameter												Stream Height S (m)			
		Installation Height H=0,9m				Installation Height H=1,8m				Installation Height H=2,7m							
		Pressure (bar)		Pressure (bar)		Pressure (bar)		Pressure (bar)		Pressure (bar)		Pressure (bar)		Pressure (bar)			
mm	1/128"	0,41	0,69	1,03	1,38	0,41	0,69	1,03	1,38	0,41	0,69	1,03	1,38	0,41	0,69	1,03	1,38
2,0	10	7,4	9,4	11,0	11,9	9,5	11,4	13,1	14,0	11,0	12,9	14,6	15,5	0,32	0,46	0,63	0,70
3,2	16	8,6	10,6	12,2	13,1	10,7	12,6	14,3	15,2	12,2	14,1	15,8	16,7	0,32	0,47	0,64	0,70
4,6	23	9,6	11,5	13,2	14,1	11,7	13,6	15,2	16,1	13,2	15,1	16,7	17,6	0,33	0,48	0,65	0,72
5,8	29	10,1	12,0	13,7	14,5	12,1	14,1	15,7	16,6	13,6	15,6	17,2	18,1	0,33	0,48	0,65	0,72
6,7	34	10,2	12,2	13,8	14,7	12,3	14,2	15,9	16,7	13,8	15,7	17,4	18,2	0,33	0,48	0,65	0,75
7,9	40	10,1	12,0	13,7	14,5	12,1	14,1	15,7	16,6	13,6	15,6	17,2	18,1	0,33	0,50	0,65	0,75
8,9	45	9,7	11,7	13,3	14,2	11,8	13,7	15,4	16,2	13,3	15,2	16,9	17,7	0,32	0,50	0,65	0,75
10,3	52	8,8	10,8	12,4	13,3	10,9	12,8	14,5	15,4	12,4	14,3	16,0	16,9	0,32	0,50	0,65	0,75

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 3 m. Install the Komet Precision Twister (KPT) with a ground clearance of at least 1 m. Performance data regarding flow and throw in relation to Installation 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.

Performance Data Metric Units

Performance data



Precision Twister (KPT) ULTRA-LOW TRAJECTORY ANGLE

Deflector Specifications		Operating Parameters				Installation	
Trajectory	Grooves	Nozzle Range (mm)	Pressure Range (bar)	Flow Range (l/hr)	Spacing Max. (m)	Drop Type	
Standard Angle	10	2,0 - 10,3	0,41 - 1,38	100,7 - 4844,4	4,6	Flex hose Poly Pipe	

Nozzle Size		Throw Diameter												Stream Height S (m)			
		Installation Height H=0,9m				Installation Height H=1,8m				Installation Height H=2,7m							
		Pressure (bar)		Pressure (bar)		Pressure (bar)		Pressure (bar)		Pressure (bar)		Pressure (bar)		Pressure (bar)			
mm	1/128"	0,41	0,69	1,03	1,38	0,41	0,69	1,03	1,38	0,41	0,69	1,03	1,38	0,41	0,69	1,03	1,38
2,0	10	6,4	8,2	9,7	10,7	9,0	10,8	12,4	13,3	10,7	12,5	14,1	15,1	0,12	0,16	0,26	0,27
3,2	16	7,5	9,3	10,9	11,8	10,1	11,9	13,5	14,4	11,8	13,6	15,2	16,2	0,11	0,17	0,19	0,25
4,6	23	8,3	10,2	11,7	12,7	11,0	12,8	14,4	15,3	12,7	14,5	16,1	17,1	0,11	0,17	0,19	0,31
5,8	29	8,8	10,6	12,2	13,1	11,4	13,2	14,8	15,7	13,1	15,0	16,5	17,5	0,11	0,17	0,20	0,33
6,7	34	8,9	10,7	12,3	13,2	11,5	13,3	14,9	15,8	13,2	15,1	16,6	17,6	0,11	0,17	0,20	0,37
7,9	40	8,7	10,5	12,1	13,0	11,3	13,1	14,7	15,7	13,1	14,9	16,5	17,4	0,11	0,17	0,20	0,37
8,9	45	8,3	10,1	11,7	12,7	10,9	12,7	14,3	15,3	12,7	14,5	16,1	17,0	0,11	0,19	0,21	0,37
10,3	52	7,4	9,2	10,8	11,7	10,0	11,8	13,4	14,4	11,8	13,6	15,2	16,1	0,11	0,19	0,21	0,37

Performance data



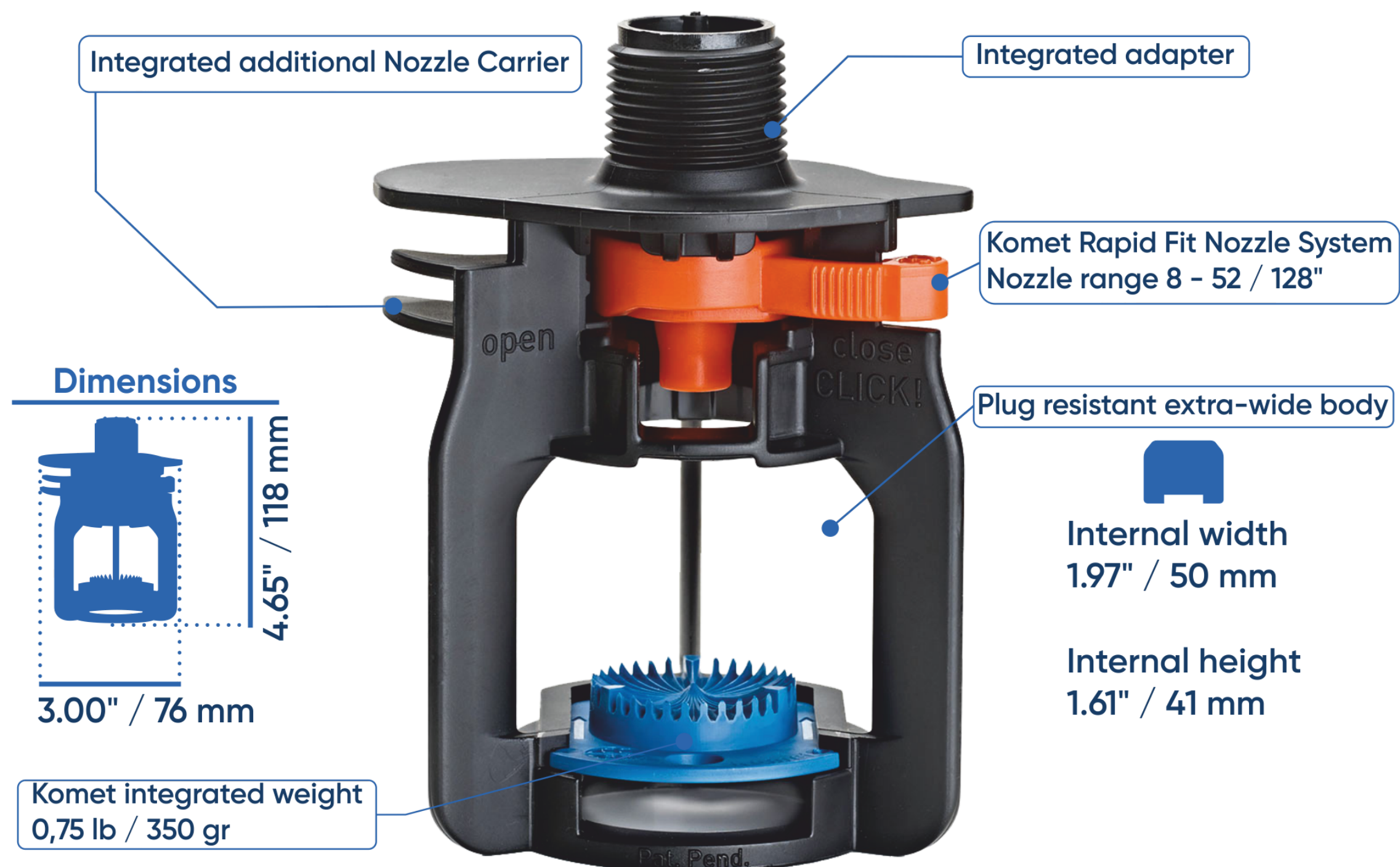
Precision Twister (KPT) LOW PROFILE TRAJECTORY

Deflector Specifications		Operating Parameters				Installation	
Trajectory	Grooves	Nozzle Range (mm)	Pressure Range (bar)	Flow Range (l/hr)	Spacing Max. (m)	Drop Type	
Low Angle	10	2,0 - 10,3	0,41 - 1,38	100,7 - 4844,4	6,1	Flex Hose Poly Pipe	

Nozzle Size		Throw Diameter												Stream Height S (m)			
		Installation Height H=0,9m				Installation Height H=1,8m											
		Pressure (bar)		Pressure (bar)		Pressure (bar)		Pressure (bar)		Pressure (bar)		Pressure (bar)					
mm	1/128"	0,41	0,69	1,03	1,38	0,41	0,69	1,03	1,38	0,41	0,69	1,03	1,38				
2,0	10	9,8	11,7	13,5	15,0	12,0	13,9	15,7	17,2								
3,2	16	10,2	12,1	14,0	15,4	12,4	14,2	16,2	17,6								
4,6	23	10,7	12,5	14,4	15,9	12,9	14,8	16,6	18,1								
5,8	29	11,0	12,8	14,7	16,2	13,2	15,1	17,0	18,4								
6,7	34	11,2	13,1	15,0	16,4	13,4	15,3	17,2	18,7								
7,9	40	11,5	13,3	15,2	16,7	13,7	15,6	17,4	18,9								
8,9	45	11,6	13,5	15,4	16,8	13,8	15,7	17,6	19,1								
10,3	52	11,8	13,7	15,5	17,0	14,0	15,9	17,7	19,2								

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 3 m. Install the Komet Precision Twister (KPT) with a ground clearance of at least 1 m. Performance data regarding flow and throw in relation to Installation 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.

PRECISION SPRAY (KPS) KEY FEATURES



KOMET RAPID FIT DEFLECTOR SYSTEM



- ① Pull to remove the deflector
- ② Turn it over for the 57° upstream corn chemigation deflector or install an additional mini deflector
- ③ Re-insert deflector, push to install and click to secure

Performance Data Metric Units



Performance data



Precision Spray (KPS) 360

Deflector Specifications				Operating Parameters				Installation
Trajectory	Grooves	Type	Coverage	Nozzle Range (mm)	Pressure Range (bar)	Flow Range (l/hr)	Spacing Max. (m)	Drop Type
Concave	33	Medium	360°	1,6 - 10,3	0,41-2,1	64,7-5973,5	3,4	All Types

BLUE DEFLECTOR CC33

Nozzle Size		Throw Diameter D (m)												Stream Height S (m)			
		Installation Height H=0,9m				Installation Height H=1,8m				Installation Height H=2,7m							
		Pressure (bar)		Pressure (bar)		Pressure (bar)		Pressure (bar)		Pressure (bar)		Pressure (bar)					
mm	1/128"	0,41	0,69	1,03	1,38	0,41	0,69	1,03	1,38	0,41	0,69	1,03	1,38	0,41	0,69	1,03	1,38
1,6	8	4,8	6,0	7,0	7,9	5,9	7,3	8,6	9,7	6,6	8,2	9,7	10,9	0,02	0,04	0,05	0,06
3,2	16	6,1	7,5	8,9	10,0	7,4	9,2	10,9	12,3	8,4	10,4	12,2	13,8	0,03	0,08	0,09	0,09
4,6	23	6,8	8,5	10,0	11,3	8,4	10,4	12,3	13,8	9,4	11,7	13,8	15,6	0,04	0,10	0,12	0,15
5,8	29	7,4	9,2	10,8	12,2	9,1	11,2	13,3	15,0	10,2	12,6	14,9	16,8	0,06	0,12	0,13	0,16
6,7	34	7,8	9,7	11,4	12,9	9,6	11,8	14,0	15,8	10,8	13,3	15,7	17,8	0,07	0,13	0,15	0,19
7,9	40	8,2	10,2	12,1	13,6	10,1	12,5	14,8	16,7	11,4	14,1	16,6	18,8	0,08	0,15	0,17	0,20
8,9	45	8,6	10,6	12,5	14,2	10,5	13,0	15,4	17,3	11,8	14,7	17,3	19,5	0,08	0,15	0,18	0,23
10,3	52	9,0	11,2	13,2	14,9	11,0	13,7	16,1	18,2	12,4	15,4	18,2	20,5	0,09	0,18	0,20	0,25

Performance data



Precision Spray (KPS) 360

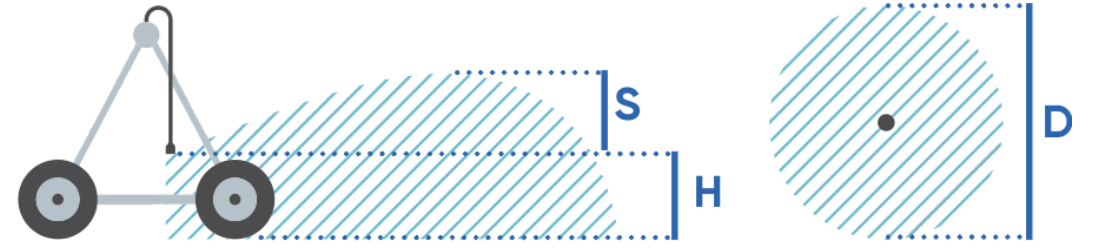
Deflector Specifications				Operating Parameters				Installation
Trajectory	Grooves	Type	Coverage	Nozzle Range (mm)	Pressure Range (bar)	Flow Range (l/hr)	Spacing Max. (m)	Drop Type
Concave	33	Medium	360°	1,6 - 10,3	0,41-2,1	64,7-5973,5	3,4	All Types

BLACK DEFLECTOR FL33

Nozzle Size		Throw Diameter D (m)												Stream Height S (m)			
		Installation Height H=0,9m				Installation Height H=1,8m				Installation Height H=2,7m							
		Pressure (bar)		Pressure (bar)		Pressure (bar)		Pressure (bar)		Pressure (bar)		Pressure (bar)					
mm	1/128"	0,41	0,69	1,03	1,38	0,41	0,69	1,03	1,38	0,41	0,69	1,03	1,38	0,41	0,69	1,03	1,38
1,6	8	5,3	6,5	7,7	8,6	6,6	8,2	9,6	10,8	7,6	9,3	10,9	12,3				
3,2	16	5,8	7,2	8,4	9,5	7,3	9,0	10,5	11,8	8,3	10,2	12,0	13,5				
4,6	23	6,5	8,1	9,5	10,6	8,2	10,1	11,8	13,3	9,3	11,5	13,5	15,2				
5,8	29	7,1	8,7	10,2	11,4	8,8	10,9	12,8	14,3	10,1	12,4	14,6	16,4				
6,7	34	7,4	9,1	10,7	12,1	9,3	11,4	13,4	15,1	10,6	13,1	15,3	17,2				
7,9	40	7,8	9,6	11,3	12,7	9,8	12,1	14,2	15,9	11,2	13,8	16,1	18,1				
8,9	45	8,1	10,0	11,7	13,2	10,2	12,5	14,7	16,5	11,6	14,3	16,8	18,8				
10,3	52	8,4	10,3	12,1	13,6	10,5	12,9	15,1	17,0	11,9	14,7	17,2	19,4				

FLAT

Performance Data Metric Units



Performance data



GREY DEFLECTOR FL24

Precision Spray (KPS) 360								
Deflector Specifications				Operating Parameters				Installation
Trajectory	Grooves	Type	Coverage	Nozzle Range (mm)	Pressure Range (bar)	Flow Range (l/hr)	Spacing Max. (m)	Drop Type
Concave	33	Medium	360°	1,6 - 10,3	0.41-2,1	64,7-5973,5	3,4	All Types

Nozzle Size		Throw Diameter D (m)												Stream Height S (m)			
		Installation Height H=0,9m				Installation Height H=1,8m				Installation Height H=2,7m				Pressure (bar)			
		Pressure (bar)		Pressure (bar)		Pressure (bar)		Pressure (bar)		Pressure (bar)		Pressure (bar)		Pressure (bar)			
mm	1/128"	0,41	0,69	1,03	1,38	0,41	0,69	1,03	1,38	0,41	0,69	1,03	1,38	0,41	0,69	1,03	1,38
1,6	8	5,2	6,5	7,7	8,8	6,7	8,4	9,9	11,2	7,7	9,7	11,5	13,0				
3,2	16	6,1	7,6	9,0	10,2	7,8	9,7	11,5	13,0	9,0	11,2	13,3	15,1				
4,6	23	6,6	8,2	9,7	11,0	8,4	10,5	12,4	14,1	9,7	12,1	14,4	16,3				
5,8	29	6,9	8,6	10,2	11,6	8,8	11,0	13,1	14,8	10,2	12,7	15,1	17,1				
6,7	34	7,1	8,9	10,6	12,0	9,1	11,4	13,5	15,3	10,6	13,2	15,6	17,7				
7,9	40	7,4	9,2	10,9	12,4	9,5	11,8	14,0	15,9	10,9	13,6	16,2	18,3				
8,9	45	7,6	9,5	11,2	12,7	9,7	12,1	14,4	16,3	11,2	14,0	16,6	18,8				
10,3	52	7,8	9,8	11,6	13,1	10,0	12,5	14,8	16,8	11,6	14,4	17,1	19,4				

FLAT

Performance data



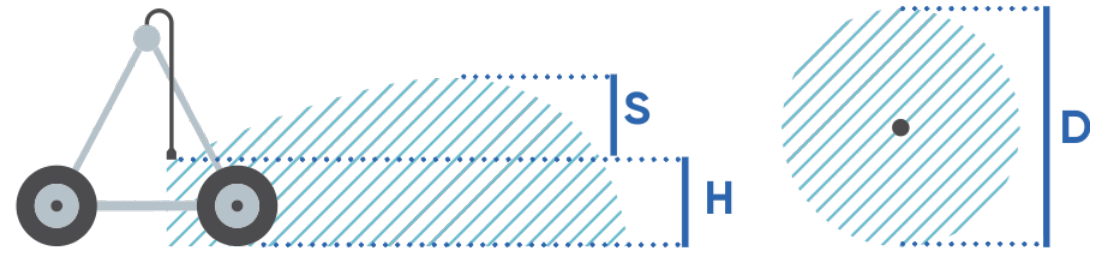
YELLOW DEFLECTOR FL30

Precision Spray (KPS) 360								
Deflector Specifications				Operating Parameters				Installation
Trajectory	Grooves	Type	Coverage	Nozzle Range (mm)	Pressure Range (bar)	Flow Range (l/hr)	Spacing Max. (m)	Drop Type
Concave	33	Medium	360°	1,6 - 10,3	0.41-2,1	64,7-5973,5	3,4	All Types

Nozzle Size		Throw Diameter D (m)												Stream Height S (m)			
		Installation Height H=0,9m				Installation Height H=1,8m				Installation Height H=2,7m				Pressure (bar)			
		Pressure (bar)		Pressure (bar)		Pressure (bar)		Pressure (bar)		Pressure (bar)		Pressure (bar)		Pressure (bar)			
mm	1/128"	0,41	0,69	1,03	1,38	0,41	0,69	1,03	1,38	0,41	0,69	1,03	1,38	0,41	0,69	1,03	1,38
1,6	8	4,7	5,7	6,7	7,6	6,0	7,3	8,6	9,7	6,9	8,5	9,9	11,1				
3,2	16	5,6	6,9	8,1	9,1	7,1	8,8	10,3	11,6	8,2	10,1	11,9	13,4				
4,6	23	6,2	7,6	8,9	10,0	7,9	9,7	11,3	12,7	9,1	11,2	13,1	14,7				
5,8	29	6,5	8,0	9,4	10,6	8,3	10,3	12,0	13,5	9,6	11,9	13,9	15,6				
6,7	34	6,8	8,4	9,8	11,0	8,7	10,7	12,6	14,1	10,0	12,4	14,5	16,3				
7,9	40	7,1	8,7	10,3	11,5	9,1	11,2	13,1	14,7	10,5	12,9	15,1	17,0				
8,9	45	7,3	9,0	10,6	11,9	9,4	11,5	13,5	15,2	10,8	13,3	15,6	17,5				
10,3	52	7,6	9,4	11,0	12,3	9,7	12,0	14,0	15,8	11,2	13,8	16,2	18,2				

FLAT

Performance Data Metric Units



Performance data



MINI BLACK DEFLECTOR FL24

Precision Spray (KPS) 360

Deflector Specifications				Operating Parameters				Installation
Trajectory	Grooves	Type	Coverage	Nozzle Range (mm)	Pressure Range (bar)	Flow Range (l/hr)	Spacing Max. (m)	Drop Type
Concave	24	Medium	360°	1,6 - 3,6	0,41-2,1	64,7-742,2	3,4	All Types

Nozzle Size		Throw Diameter D (m)												Stream Height S (m)			
		Installation Height H=0,9m				Installation Height H=1,8m				Installation Height H=2,7m				Pressure (bar)			
		Pressure (bar)		Pressure (bar)		Pressure (bar)		Pressure (bar)		Pressure (bar)		Pressure (bar)		Pressure (bar)			
mm	1/128"	0,41	0,69	1,03	1,38	0,41	0,69	1,03	1,38	0,41	0,69	1,03	1,38	0,41	0,69	1,03	1,38
1,6	8	5,6	6,8	8,0	9,0	7,0	8,6	10,1	11,3	8,0	9,8	11,5	12,9	FLAT			
3,6	18	6,8	8,3	9,7	10,9	8,5	10,5	12,2	13,7	9,7	12,0	14,0	15,7				

Performance data



MINI TURQUOISE DEFLECTOR FL

Precision Spray (KPS) 360

Deflector Specifications				Operating Parameters				Installation
Trajectory	Grooves	Type	Coverage	Nozzle Range (mm)	Pressure Range (bar)	Flow Range (l/hr)	Spacing Max. (m)	Drop Type
Concave	0	sMOOTH	360°	1,6 - 10,3	0,41-2,1	64,7-5973,5	3,4	All Types

Nozzle Size		Throw Diameter D (m)												Stream Height S (m)			
		Installation Height H=0,9m				Installation Height H=1,8m				Installation Height H=2,7m				Pressure (bar)			
		Pressure (bar)		Pressure (bar)		Pressure (bar)		Pressure (bar)		Pressure (bar)		Pressure (bar)		Pressure (bar)			
mm	1/128"	0,41	0,69	1,03	1,38	0,41	0,69	1,03	1,38	0,41	0,69	1,03	1,38	0,41	0,69	1,03	1,38
1,6	8	4,4	4,7	5,0	5,2	5,3	5,8	6,1	6,4	6,0	6,5	6,9	7,2	FLAT			
3,2	16	5,3	5,7	6,1	6,3	6,5	7,0	7,4	7,7	7,3	7,9	8,3	8,7				
4,6	23	5,9	6,3	6,7	7,0	7,2	7,7	8,2	8,6	8,1	8,7	9,2	9,6				
5,8	29	6,3	6,8	7,2	7,5	7,7	8,3	8,8	9,1	8,6	9,3	9,9	10,3				
6,7	34	6,6	7,1	7,5	7,8	8,0	8,7	9,2	9,6	9,0	9,7	10,3	10,8				
7,9	40	6,9	7,4	7,8	8,2	8,4	9,1	9,6	10,0	9,5	10,2	10,8	11,3				
8,9	45	7,1	7,7	8,1	8,5	8,7	9,4	9,9	10,4	9,8	10,5	11,2	11,6				
10,3	52	7,4	8,0	8,5	8,8	9,0	9,8	10,3	10,8	10,2	11,0	11,6	12,1				

Performance Data Metric Units



Performance data



BLUE DEFLECTOR CC15-PC180

Precision Spray (KPS) 360

Deflector Specifications				Operating Parameters				Installation
Trajectory	Grooves	Type	Coverage	Nozzle Range (mm)	Pressure Range (bar)	Flow Range (l/hr)	Spacing Max. (m)	Drop Type
Concave	15	Medium	180°	1,6 - 7,9	0,41-2,1	64,7-3529,1	3,4	Rigid Drops Only

Nozzle Size		Throw Diameter D (m)												Stream Height S (m)			
		Installation Height H=0,9m				Installation Height H=1,8m				Installation Height H=2,7m				Pressure (bar)			
		Pressure (bar)		Pressure (bar)		Pressure (bar)		Pressure (bar)		Pressure (bar)		Pressure (bar)		Pressure (bar)			
mm	1/128"	0,41	0,69	1,03	1,38	0,41	0,69	1,03	1,38	0,41	0,69	1,03	1,38	0,41	0,69	1,03	1,38
1,6	8	2,4	3,0	3,5	4,0	2,9	3,6	4,3	4,9	3,3	4,1	4,8	5,5	0,02	0,04	0,05	0,06
3,2	16	3,0	3,8	4,4	5,0	3,7	4,6	5,4	6,1	4,2	5,2	6,1	6,9	0,03	0,08	0,09	0,09
4,6	23	3,4	4,2	5,0	5,7	4,2	5,2	6,1	6,9	4,7	5,9	6,9	7,8	0,04	0,10	0,12	0,15
5,8	29	3,7	4,6	5,4	6,1	4,5	5,6	6,6	7,5	5,1	6,3	7,5	8,4	0,06	0,12	0,13	0,16
6,7	34	3,9	4,8	5,7	6,4	4,8	5,9	7,0	7,9	5,4	6,7	7,9	8,9	0,07	0,13	0,15	0,19
7,9	40	4,0	5,0	5,9	6,6	4,9	6,1	7,2	8,1	5,5	6,9	8,1	9,1	0,08	0,15	0,17	0,20

For optimal performance of the Komet Precision Spray (KPS) when installed on drop pipes, it is recommended to use the maximum spacing up to the 2nd span only. Keep the Komet Precision Spray (KPS) out of the crop canopy when spacing exceeds 3 m. Install the Komet Precision Spray (KPS) with a ground clearance of at least 1 m. Performance data regarding flow and throw in relation to installation 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.

Performance Data Metric Units



Performance data



Precision Spray (KPS) Dual

Deflector Specifications				Operating Parameters				Installation
Trajectory	Grooves	Type	Coverage	Nozzle Range (mm)	Pressure Range (bar)	Flow Range (l/hr)	Spacing Max. (m)	Drop Type
Concave	33	Medium	360°	1,6 - 5,8	0,41-2,1	64,7-1876,8	3,4	All Types

BLUE DEFLECTOR CC33

Nozzle Size		Throw Diameter D (m)								Stream Height S (m)			
		Installation Height H=0,9m				Installation Height H=1,8m							
		Pressure (bar)				Pressure (bar)				Pressure (bar)			
mm	1/128"	0,41	0,69	1,03	1,38	0,41	0,69	1,03	1,38	0,41	0,69	1,03	1,38
1,6	8	4,8	6,0	7,0	7,9	5,9	7,3	8,6	9,7	0,02	0,04	0,05	0,06
3,2	16	6,1	7,5	8,9	10,0	7,4	9,2	10,9	12,3	0,03	0,08	0,09	0,09
4,6	23	6,8	8,5	10,0	11,3	8,4	10,4	12,3	13,8	0,04	0,10	0,12	0,15
5,8	29	7,4	9,2	10,8	12,2	9,1	11,2	13,3	15,0	0,06	0,12	0,13	0,16



BLUE DEFLECTOR W/HOLE CC33



BLACK DEFLECTOR FL

Performance data

Precision Spray (KPS) Dual

Deflector Specifications				Operating Parameters				Installation
Trajectory	Grooves	Type	Coverage	Nozzle Range (mm)	Pressure Range (bar)	Flow Range (l/hr)	Spacing Max. (m)	Drop Type
Flat	33	Medium	360°	6,0 - 10,3	0,41-2,1	890,3-5973,5	3,4	All Types

Nozzle Size		Throw Diameter D (m)								Stream Height S (m)			
		Installation Height H=0,9m				Installation Height H=1,8m							
		Pressure (bar)				Pressure (bar)				Pressure (bar)			
mm	1/128"	0,41	0,69	1,03	1,38	0,41	0,69	1,03	1,38	0,41	0,69	1,03	1,38
6,0	30	7,00	8,90	10,00	11,30	8,20	10,20	12,40	13,20	0,06	0,12	0,13	0,16
6,7	34	7,20	9,20	10,20	11,60	8,80	10,60	12,80	13,60	0,07	0,13	0,15	0,19
7,9	40	7,80	9,90	11,40	12,20	9,40	11,80	13,40	14,00	0,08	0,14	0,17	0,20
8,9	45	8,40	10,70	12,10	13,50	10,00	12,20	14,00	15,20	0,08	0,15	0,18	0,23
10,3	52	8,90	11,80	12,50	14,00	11,00	12,80	14,20	15,60	0,09	0,18	0,20	0,25

Performance Data Metric Units



Precision Spray (KPS) Vertical Bubbler

Deflector Specifications		Operating Parameters				Installation	
Trajectory	Coverage	Nozzle Range (mm)	Pressure Range (bar)	Flow Range (l/hr)	Spacing Max. (m)	Installation Height / (m)	Drog Type
Vertical	Localized	1,6 - 8,9	0,41-2,1	64,7-4419,2	0,7 - 1,5	0,2 - 0,45	All Types

Precision Spray (KPS) Wide Bubbler 60"

Deflector Specifications		Operating Parameters				Installation	
Trajectory	Coverage	Nozzle Range (mm)	Pressure Range (bar)	Flow Range (l/hr)	Spacing Max. (m)	Installation Height / (m)	Drog Type
Vertical	Localized	1,6 - 8,9	0,41-2,1	64,7-4419,2	0,7 - 1,5 Furrow Dependent	0,2 - 0,45	All Types



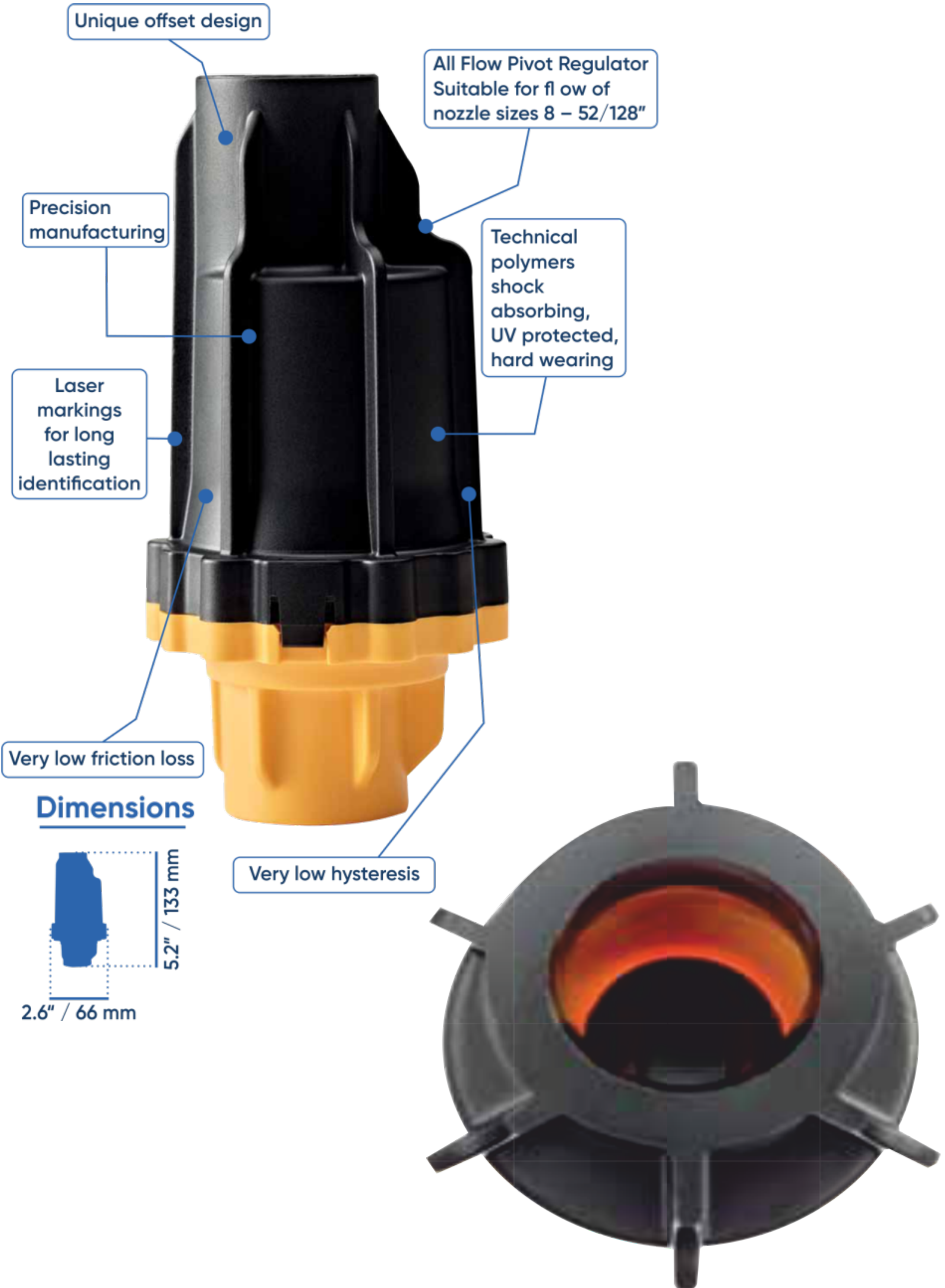
BROWN DEFLECTOR W860

Nozzle Size		Throw Diameter D (m)											
		Installation Height H=0,45m				Installation Height H=0,6m				Installation Height H=0,75m			
		Pressure (bar)				Pressure (bar)				Pressure (bar)			
mm	1/128"	0,41	0,69	1,03	1,38	0,41	0,69	1,03	1,38	0,41	0,69	1,03	1,38
1,8	9	1,00	1,30	1,80	1,90	1,10	1,45	2,00	2,15	1,20	1,60	2,20	2,40
2,0	10	1,40	1,50	1,90	2,00	1,45	1,75	2,15	2,30	1,50	2,00	2,40	2,60
2,2	11	1,50	1,60	2,00	2,20	1,60	1,85	2,25	2,45	1,70	2,10	2,50	2,70
2,4	12	1,60	1,80	2,20	2,30	1,75	2,00	2,40	2,55	1,90	2,20	2,60	2,80
2,8	14	1,80	1,90	2,30	2,50	1,90	2,20	2,60	2,80	2,00	2,50	2,90	3,10
3,6	18	2,00	2,10	2,40	2,70	2,20	2,45	2,80	3,10	2,40	2,80	3,20	3,50
4,4	22	2,20	2,40	2,50	2,80	2,40	2,75	3,05	3,25	2,60	3,10	3,60	3,70
5,2	26	2,30	2,50	2,70	3,20	2,65	3,05	3,25	3,55	3,00	3,60	3,80	3,90
6,0	30	2,50	2,70	3,00	3,40	2,85	3,25	3,50	3,75	3,20	3,80	4,00	4,10

PRECISION REGULATOR (KPR)

Available Models / 6 PSI / 10 PSI / 15 PSI / 20 PSI

Key features



Unique Offset Inlet Design

The All-Flow Komet Precision Regulator (KPR) has a unique offset inlet. In conjunction with the stem seat, the offset inlet contributes to a cyclonic flow path, which helps to reduce plugging. Furthermore the steep incline of the regulator's integrated stem seat on the inlet side reduces friction losses to a minimum and helps reduce the hanging up of stringy debris

Precision Manufacturing

All components of the Komet Precision Regulator (KPR) are precision made and carefully controlled throughout the fully automated manufacturing process. Each critical component is 100% individually tested for conformity to specification prior to be installed. The very tight manufacturing tolerances allow for excellent irrigation performance.

Spring

Large spring configuration for reduced variation in regulated pressure over the nozzle range.

Unique Offset Inlet Design

The All-Flow Komet Precision Regulator (KPR) has a unique offset inlet. In conjunction with the stem seat, the offset inlet contributes to a cyclonic flow path, which helps to reduce plugging. Furthermore the steep incline of the regulator's integrated stem seat on the inlet side reduces friction losses to a minimum and helps reduce the hanging up of stringy debris.

Hysteresis

Very low hysteresis due to the internal configuration of the regulator and the tribological properties of the interacting surfaces in relative motion. Very suitable for corner and VRI systems.

Materials

The regulator materials and design have been chosen to withstand the harsh operating and climatic conditions this device is used in. The technical polymers used are shock absorbing, UV protected and hard wearing.

Technical Specifications Komet Precision Regulator (KPR)

Model	Flow Range Covers Complete Nozzle Range		Flow Range				Regulated Outlet Pressure		Max. Inlet Pressure		Connection Inlet/Outlet
	in	mm	min - l/h	min-gpm	max - l/h	max-gpm	psi	psi	psi	psi	
KPR - 6	8 - 52 / 128"	1.6 - 10.3	68	0,3	2720	12,0	6	0,4	110	7,5	3/4" x 3/4" FNPT
KPR - 10	8 - 52 / 128"	1.6 - 10.3	91	0,4	3400	15,0	10	0,7	120	8,3	3/4" x 3/4" FNPT
KPR - 15	8 - 52 / 128"	1.6 - 10.3	115	0,5	4000	17,6	15	1,0	130	9,0	3/4" x 3/4" FNPT
KPR - 20	8 - 52 / 128"	1.6 - 10.3	136	0,6	4400	19,4	20	1,4	130	9,0	3/4" x 3/4" FNPT

The pressure regulators will operate at the preset operating pressure over the whole nozzle range provided that the inlet pressure is at least 5 psi | 0.35 bar higher than the nominal rated pressure for the Komet Precision Regulator (KPR) 6 psi | 0.4 bar and 10 psi | 0.7 bar and at least 7 psi | 0.48 bar higher than the nominal rated pressure for the Komet Precision Regulator (KPR) 15 psi | 1.0 bar and 20 psi | 1.4 bar.