



irrigationBox

Catalogue



12/49 Jijaws Street Sumner QLD 4074
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www.irrigationbox.com.au



IrrigationBox

**THE LARGEST RANGE OF AGRICULTURAL
IRRIGATION SPRINKLERS - SOFT & HARD HOSE IRRIGATORS**

We offer only quality and efficient irrigation supplies ranging from gear drive, impact irrigation sprinklers, connection stands, sprinkler carts, latest technology soft and hard hose travelling irrigators, pumps, lay flat hoses, plastic and metal irrigation filters, valves and fittings for our valuable customers aiming a perfect irrigation on their lands.



IMPACT SPRINKLERS



LAY FLAT HOSE REELS



GEAR DRIVEN SPRINKLERS



**PTO, DIESEL ENGINE,
PETROL DRIVEN, AND
ELECTRIC PUMPS**



SPRINKLER STANDS AND CARTS



FILTRATION



**SOFT HOSE
TRAVELLING IRRIGATORS**



SOIL SENSORS



**HARD HOSE
TRAVELLING IRRIGATORS**



FITTINGS AND VALVES



LAY FLAT HOSES

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IMPACT SPRINKLERS

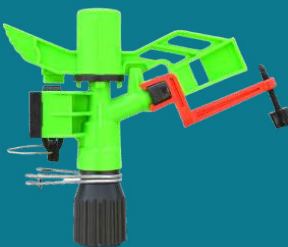
Impact Sprinklers are the most common style of sprinklers in the market. As the water flows through the sprinkler head, the arm bouncing off the mainstream drives the sprinkler head to turn. When the right sprinkler is used, you will achieve the highest performance and water uniformity coverage over maximum area.



Atom 14 FC



Atom 15 LF-FC



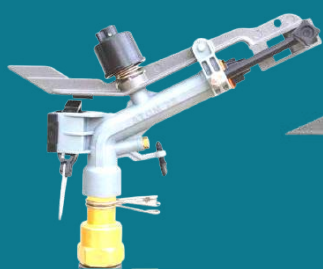
Atom 15 LF-PC



Atom 15 FC



Atom 15 PC



Atom 22



Atom 28



Atom 30 FC



Atom 35



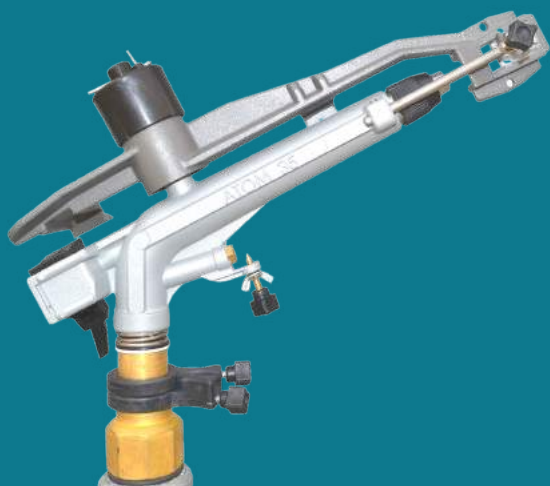
B30 Metal



Atom 40



Atom 42



DuCaR Atom 35

Water Input : 1.5" Female BSP

Working Pressure : 29 - 85 psi

Water Flow : 152 - 533 l/min

Shooting Radius : 20 - 35 m

Nozzles: 14, 16, 18 mm

Body Angle: 27°



IMPACT SPRINKLERS



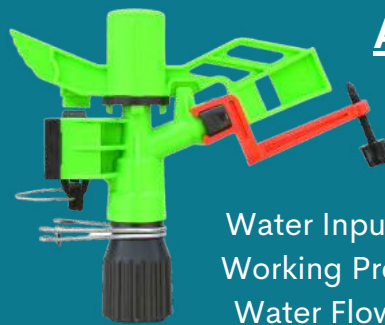
DuCaR Atom 14 Full Circle

Water Input : 3/4" Male BSP
Working Pressure : 29 – 50 psi
Water Flow : 18 – 37.5 l/min
Shooting Radius : 12 – 15 m
Nozzles : 2.5 mm (Secondary); 4 mm
Body Angle : 25°
Weight : 0.20 kg
Operation : Full Circle
Material : Plastic



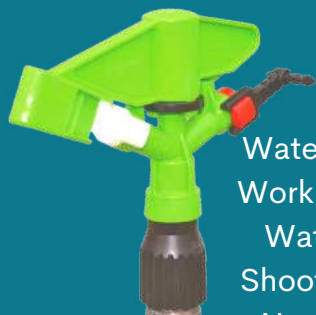
Atom 15 FC Low Flow

Water Input : 1" Female BSP
Working Pressure : 29 – 64 psi
Water Flow : 16 – 42.5 l/min
Shooting Radius : 13 – 16.5 m
Nozzles : End Plug, 2.5 mm
(Secondary); 4, 4.5, 5 mm
Body Angle : 22° & 27°
Weight : 0.25 kg
Operation : Full Circle
Material : Plastic



Atom 15 PC Low Flow

Water Input : 1" Female BSP
Working Pressure : 29 – 50 psi
Water Flow : 15 – 28.7 l/min
Shooting Radius : 13 – 16 m
Suitable Nozzles : 4, 4.5, 5 mm
Body Angle : 23°
Weight : 0.25 kg
Operation : Full & Part Circle
Material : Plastic



Atom 15 FC

Water Input : 1" Female BSP
Working Pressure : 29 – 64 psi
Water Flow : 22 – 67 l/min
Shooting Radius : 13 – 16.5 m
Nozzles : End Plug, 3.2 mm
(Secondary); 5, 5.5, 6, 6.5 mm
Body Angle : 22° & 27°
Weight : 0.25 kg
Operation : Full Circle
Material : Plastic

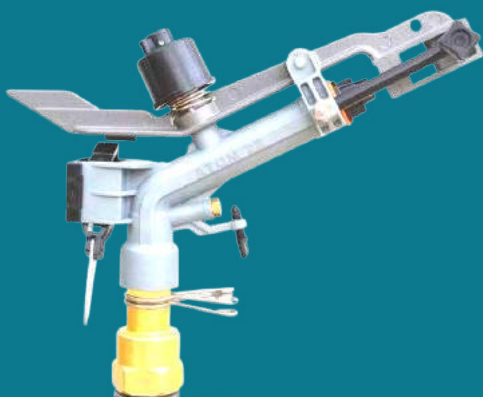


Atom 15 PC

Water Input : 1" Female BSP
Working Pressure : 29 – 64 psi
Water Flow : 22 – 46 l/min
Shooting Radius : 14 – 18 m
Suitable Nozzles : 5, 5.5, 6, 6.5 mm
Body Angle : 23°
Weight : 0.25 kg
Operation : Full & Part Circle
Material : Plastic



IMPACT SPRINKLERS



DuCaR Atom 22

Water Input : 1" Female BSP
 Working Pressure : 29 – 56 psi
 Water Flow : 46 – 144 l/min Shooting
 Radius : 15 – 21 m
 Body Angle : 30°
 Body Material : Plastic & Aluminium
 Housing : Brass

Nozzle Diameter		Pressure		Jet Length		Capacity			Values for a single sprinkler		
									Irrigated Area		Rainfall per hour
mm	inch	atm	psi	m	feet	l/min	m ³ /h	G.P.M	m ²	acre	mm/h
6	0.236	2	29	15.0	49	46	2.8	12	707	0.17	4.0
6	0.236	3	44	17.0	56	56	3.4	15	907	0.22	3.7
6	0.236	4	56	18.0	59	65	3.9	17	1017	0.25	3.8
8	0.31	1.5	29	14.5	48	61	3.7	16	660	0.16	5.6
8	0.31	2	44	16.5	54	71	4.3	19	855	0.21	5.0
8	0.31	3	56	18.0	59	86	5.2	23	1017	0.25	5.1
8	0.31	4	70	19.0	62	100	6.0	26	1134	0.28	5.3
10	0.39	2	29	17.0	56	102	6.1	27	907	0.22	6.7
10	0.39	3	44	19.5	64	124	7.4	33	1194	0.29	6.2
10	0.39	4	56	21.0	69	144	8.6	38	1385	0.34	6.2

DuCaR Atom 28

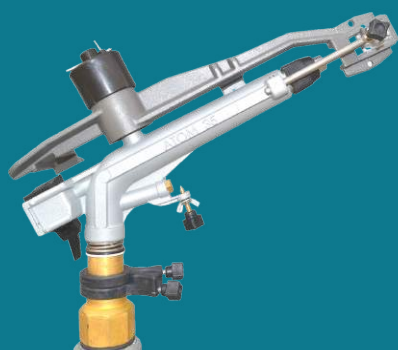
Water Input : 1.5" Female BSP
 Working Pressure : 29 – 70 psi
 Water Flow : 86 – 309 l/min
 Shooting Radius : 19 – 28 m
 Body Angle : 30°
 Material : Cast-iron, Aluminium, and Brass



Nozzle Diameter		Pressure		Jet Length		Capacity			Values for a single sprinkler		
									Irrigated Area		Rainfall per hour
mm	inch	atm	psi	m	feet	l/min	m ³ /h	G.P.M	m ²	acre	mm/h
10	.39	2	29	19	62	86,7	6,5	23	1134	0,28	4,6
10	.39	3	44	21	69	107	7,8	28	1385	0,34	4,6
10	.39	4	56	23	75	123	9,1	33	1661	0,41	4,5
10	.39	5	70	23,5	77	236	10,5	46	1734	0,43	5,2
12	.47	2	29	21,0	69	152	9,0	41	1385	0,34	6,7
12	.47	3	44	23,0	75	182	11,2	49	1661	0,41	6,7
12	.47	4	56	25,5	84	211	13,0	57	2042	0,50	6,4
12	.47	5	70	26,5	87	236	14,2	63	2205	0,54	5,2
14	.55	2	29	22,0	72	195	12,0	53	1520	0,38	8,4
14	.55	3	44	23,5	77	239	14,1	64	1734	0,43	8,4
14	.55	4	56	27,0	89	277	16,5	74	2289	0,57	7,4
14	.55	5	70	28,0	92	309	18,8	83	2462	0,61	7,7



IMPACT SPRINKLERS



DuCaR Atom 35

Water Input : 1.5" Female BSP

Working Pressure : 29 – 85 psi

Water Flow : 152 – 533 l/min

Shooting Radius : 20 – 35 m

Body Angle: 27°

Nozzle Diameter		Pressure		Jet Length		Capacity			Values for a single sprinkler		
mm	inch	atm	psi	m	feet	l/min	m ³ /h	G.P.M	Irrigated Area	acre	Rainfall per hour
12	.47	2	29	20.0	66	152	9.3	41	1256	0.31	7.4
12	.47	3	44	24.0	79	182	11.2	49	1809	0.45	6.2
12	.47	4	56	27.0	89	211	13.0	57	2289	0.57	5.7
12	.47	5	70	28.0	92	236	14.2	63	2462	0.61	5.2
14	.55	2	29	21.0	69	195	12.1	53	1384	0.34	8.4
14	.55	3	44	25.0	82	239	14.5	64	1962	0.48	7.4
14	.55	4	56	29.0	95	277	16.9	74	2640	0.65	6.4
14	.55	5	70	30.0	98	309	18.9	83	3017	0.75	6.3
16	.62	2	29	22.0	72	247	15.2	67	1519	0.38	10.0
16	.62	3	44	26.0	85	303	18.9	83	2123	0.52	8.9
16	.62	4	56	30.0	98	351	21.5	95	2826	0.70	7.5
16	.62	5	70	32.0	105	391	24.0	106	3215	0.79	6.9
18	.70	3	44	27.0	89	378	23.1	102	2461	0.61	9.4
18	.70	4	56	30.0	98	436	27.0	119	3017	0.75	8.9
18	.70	5	70	34.0	112	487	30.1	133	3629	0.90	8.1
18	.70	6	85	35.0	115	533	32.5	143	3847	0.95	7.9

DuCaR Atom 40

Water Input : 2" Female BSP

Working Pressure : 29 – 70 psi

Water Flow : 195 – 532 l/min

Shooting Radius : 22 – 39 m

Nozzles : 14, 16, 18, 20 mm

Body Angle : 24°

Material : Cast-Iron, Aluminium, Brass



Nozzle Diameter		Pressure		Jet Length		Capacity			Values for a single sprinkler		
mm	inch	kg/cm ²	lbs/inch	m	feet	l/min	m ³ /h	G.P.M	Irrigated Area	acre	Rainfall per hour
14	0.47	2	29	22.0	72	195	11.7	52	1520	0.38	7.7
14	0.47	3	44	27.0	89	239	14.3	63	2289	0.57	6.2
14	0.47	4	56	30.0	98	277	16.6	73	2826	0.70	5.9
14	0.47	5	70	33.0	108	309	18.5	81	3419	0.84	5.4
16	0.55	2	29	23.0	75	247	14.8	65	1661	0.41	8.9
16	0.55	3	44	29.0	95	303	18.2	80	2641	0.65	6.9
16	0.55	4	56	33.0	108	351	21.0	92	3419	0.84	6.1
16	0.55	5	70	35.0	115	391	23.4	103	3847	0.95	6.1
18	0.62	2	29	22.0	72	309	18.5	81	1520	0.38	12.2
18	0.62	3	44	30.0	98	378	22.7	100	2826	0.70	8.0
18	0.62	4	56	33.0	108	436	26.2	115	3419	0.84	7.7
18	0.62	5	70	36.0	118	487	29.2	129	4069	1.01	7.2
20	0.70	3	44	31.0	102	376	22.5	99	3018	0.75	7.5
20	0.70	4	56	35.0	115	460	27.6	122	3847	0.95	7.2
20	0.70	5	70	39.0	128	532	31.9	140	4776	1.18	6.7



IMPACT SPRINKLERS

Water Input : 1.5" Female BSP

Working Pressure : 29 – 65 psi

Water Flow : 100 – 383 l/min

Shooting Radius : 17 – 30 m

Body Angle : 27°

Material : Cast-Iron, Aluminium & Brass

DuCaR Atom 30 FC Metal



Nozzle Diameter		Pressure		Jet Length		Capacity			Values for a single sprinkler		
mm	inch	atm	psi	m	feet	l/min	m³/h	G.P.M	Irrigated Area		Rainfall per hour
8	0.31	2	29	17	56	100	6,00	26	907	0,22	6,6
8	0.31	3	44	19	62	121	7,25	32	1184	0,28	6,4
8	0.31	4	56	21	69	141,7	8,50	37	1385	0,34	6,1
10	0.39	2	29	18	59	130	7,80	34	1017	0,25	7,7
10	0.39	3	44	21	69	160	9,60	42	1385	0,34	6,9
10	0.39	4	56	22,5	74	185	11,10	49	1590	0,39	7,0
10	0.39	5	70	24,5	80	208,3	12,50	55	1885	0,47	6,6
12	0.47	2	29	19	62	168,3	10,10	44	1134	0,28	8,9
12	0.47	3	44	22	72	205,7	12,40	55	1520	0,38	8,2
12	0.47	4	56	25	82	241,7	14,50	64	1963	0,48	7,4
12	0.47	5	70	27	89	270	16,20	71	2289	0,57	7,1
14	0.55	2	29	22	72	211,7	13,00	57	1520	0,38	8,4
14	0.55	3	44	25	82	241,7	14,50	64	1963	0,48	7,4
14	0.55	4	56	27	89	300	18,00	79	2289	0,57	7,9

8 mm
(Secondary Nozzle)



DuCaR Atom 42 FC Metal

Water Input : 2" Female BSP

Working Pressure : 29 – 85 psi

Water Flow : 183 – 850 l/min

Shooting Radius : 24 – 47 m

Body Angle : 28°

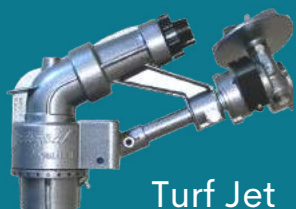
Material: Cast-iron, Aluminium, and Brass

Nozzle Diameter		Pressure		Jet Length		Capacity			Values for a single sprinkler		
mm	inch	atm	psi	m	feet	l/min	m³/h	G.P.M	Irrigated Area		Rainfall per hour
12	.47	2	29	24	79	183,3	11	48	1384	0,34	7,9
12	.47	3	44	29	95	225	13,5	59	1962	0,48	6,9
12	.47	4	56	31	102	258,3	15,5	68	2461	0,61	6,3
14	.55	3	56	30	98	283,3	17	75	2461	0,61	6,9
14	.55	4	70	31	102	325	19,5	86	2826	0,70	6,9
14	.55	5	85	35	115	366,7	22	97	3215	0,79	6,8
16	.62	3	56	32	105	350	21	92	2826	0,70	7,4
16	.62	4	70	35	115	400	24	106	3419	0,84	7,0
16	.62	5	85	39	125	450	27	119	3846	0,95	7,0
18	.70	3	85	33	108	433,3	26	114	3017	0,75	8,6
18	.70	4	85	36	118	508,3	30,5	134	3630	0,90	8,4
18	.70	5	85	40	131	566,7	34	150	4298	1,06	7,9
20	.78	3	85	35	115	500	30	132	3630	0,90	8,3
20	.78	4	85	39	128	608,3	36,5	161	4298	1,06	8,5
20	.78	5	85	43	141	666,7	40	176	5024	1,24	8,0
22	.86	4	85	40	131	683,3	41	181	4298	1,06	9,5
22	.86	5	85	44	144	766,7	46	203	5024	1,24	9,2
22	.86	6	85	47	154	850	51	225	5805	1,43	8,8



GEAR DRIVEN SPRINKLERS

All our gear driven sprinklers provide continuous irrigation and slow rotation even on high pressure applications. Also, unlike the other gear driven sprinklers, our models' gearboxes never get stuck, because the transmission mechanism consists of a specific sequence of metal-engineering plastics-metal materials and they automatically grease themselves!



Turf Jet



Green 70



Green 100



Green 150



Jet 35T



Jet 50T



Jet 65T



Black Jet



Dust Jet



Jet 200



DuCaR Jet 50

Water Input : 2" Female BSP

Working Pressure : 44 - 100 psi

Water Flow : 246 - 1020 l/min

Shooting Radius : 29 - 50 m

Nozzles : 14, 16, 18, 20, 22, 24 mm

Body Angle : 25°



GEAR DRIVEN SPRINKLERS

DuCaR Green Series Gear Driven Sprinklers

DuCaR Green 70



Water Input : 1.5" Female BSP
Working Pressure : 29 – 85 psi
Water Flow : 108 – 532 l/min
Shooting Radius : 18 – 36 m
Body Angle : 24°

Nozzle Diameter		Pressure		Jet Length		Capacity			Values for a single sprinkler		
		kg/cm ²	lbs/inch	m	feet	l/min	m ³ /h	G.P.M	Irrigated Area	acre	Rainfall per hour
mm	inch								m ²		mm/h
10	.39	2	29	18	59	108	6.5	29	1017	0.25	6.4
10	.39	3	44	21	69	125	7.5	33	1385	0.34	5.4
10	.39	4	56	23	75	143	8.6	38	1661	0.41	5.2
12	.47	2	29	20	66	152	9.1	40	1256	0.31	7.2
12	.47	3	44	24	79	162	10.9	48	1809	0.45	6.0
12	.47	4	56	27	89	210	12.6	55	2289	0.67	5.5
12	.47	5	70	30	98	235	14.1	62	2826	0.70	4.99
14	.55	2	29	21	69	195	11.7	52	1385	0.34	8.45
14	.55	3	44	25	82	238	14.3	63	1968	0.48	7.3
14	.55	4	56	29	95	277	16.6	73	2541	0.65	6.3
14	.55	5	70	31	102	308	18.5	81	3018	0.75	6.1
16	.62	2	29	22	72	247	14.8	65	1520	0.38	9.7
16	.62	3	44	26	85	303	18.2	80	2123	0.52	8.6
16	.62	4	56	30	98	350	21	92	2826	0.70	7.4
16	.62	5	70	32	108	390	23.4	100	3419	0.84	6.8
18	.70	3	44	28	92	378	22.7	100	2452	0.61	9.2
18	.70	4	56	31	102	437	26.2	115	3018	0.75	8.7
18	.70	5	70	34	112	487	29.2	129	3630	0.90	8.0
18	.70	6	85	36	118	532	31.9	140	4059	1.01	7.8

DuCaR Green 100



Water Input : 2" Female BSP
Working Pressure : 44 – 100 psi
Water Flow : 246 – 1266 l/min
Shooting Radius : 34 – 53 m
Body Angle : 27°

Nozzle Diameter		Pressure		Jet Length		Capacity			Values for a single sprinkler		
		atm	psi	m	feet	l/min	m ³ /h	G.P.M	Irrigated Area	acre	Rainfall per hour
mm	inch								m ²		mm/h
14	0.55	3	44	29	95	246.67	14.8	65	246.67	0.61	7.2
14	0.55	4	56	32	105	286.67	17.2	76	286.67	0.76	6.8
14	0.55	5	70	34	112	315	18.9	83	315	0.83	6.3
16	0.62	3	44	30	98	318.33	19.3	81	318.33	0.81	6.5
16	0.62	4	56	34	112	358.33	21.5	95	358.33	0.95	5.5
16	0.62	5	70	35	115	391.67	23.5	108	391.67	1.08	5.8
18	0.7	3	44	32	105	390	23.4	100	390	1.00	5.2
18	0.7	4	56	35	115	445	26.7	118	445	1.18	4.8
18	0.7	5	70	37	121	498.33	29.9	132	498.33	1.32	4.2
20	(2 Hole)	0.78	3	45	147	450	27	119	450	1.19	4.5
20	(2 Hole)	0.78	4	56	183	525	31.5	139	525	1.39	3.8
20	(2 Hole)	0.78	5	70	229	600	36	159	600	1.59	3.2
22	(2 Hole)	0.86	4	56	183	633	38	167	633	1.67	3.0
22	(2 Hole)	0.86	5	70	229	700	42	185	700	1.85	2.8
22	(2 Hole)	0.86	6	85	279	733	44	194	733	1.94	2.5
24	(2 Hole)	0.94	4	56	183	666	40	176	666	1.76	2.8
24	(2 Hole)	0.94	5	70	229	750	45	198	750	1.98	2.5
24	(2 Hole)	0.94	6	85	279	800	48	211	800	2.11	2.2
26	1	4	56	43	141	893.3	53	220	893.3	2.20	2.0
26	1	5	70	45	148	950	57	231	950	2.31	1.8
26	1	6	85	48	157	1050	63	277	1050	2.77	1.5
28	1.1	5	70	47	154	1100	66	281	1100	2.81	1.4
28	1.1	6	85	50	164	1200	72	317	1200	3.17	1.2
28	1.1	7	100	52	174	1266.7	76	315	1266.7	3.15	1.1

DuCaR Green 150



Water Input : 2.5" Female BSP
Working Pressure : 44 – 100 psi
Water Flow : 463 – 1814 l/min
Shooting Radius : 34 – 66 m
Body Angle : 24°

Nozzle Diameter		Pressure		Jet Length		Capacity			Values for a single sprinkler		
		atm	psi	m	feet	l/min	m ³ /h	G.P.M	Irrigated Area	acre	Rainfall per hour
mm	inch								m ²		mm/h
20	0.78	3	44	34	112	463.3	28	122	2846	0.95	7.2
20	0.78	4	56	38	125	548.33	33	145	4534	1.12	7.3
20	0.78	5	70	42	138	616.7	37	163	5538	1.27	6.7
22	0.86	3	44	37	121	566.7	34	150	4534	1.12	7.5
22	0.86	4	56	40	131	650.0	41	180	5024	1.24	8.1
22	0.86	5	70	44	144	753.3	45	199	6079	1.50	7.4
22	0.86	6	85	47	154	818.3	49	216	6936	1.71	7.1
24	0.94	4	56	43	141	730	43.74	199	5806	1.43	7.5
24	0.94	5	70	49	161	815	48.90	215	7539	1.86	6.5
24	0.94	6	85	52	171	899	53.94	236	8491	2.10	6.3
26	1.02	4	56	49	161	856	51.36	226	7539	1.86	6.8
26	1.02	5	70	50	164	957	57.42	250	8956	2.24	7.2
26	1.02	6	85	54	177	1048	62.88	277	9156	2.25	6.9
28	1.1	4	56	51	167	992	59.52	262	8167	2.02	7.2
28	1.1	5	70	55	180	1109	66.54	290	9409	2.35	7.0
28	1.1	6	85	58	190	1215	72.9	321	10563	2.61	6.9
30	1.18	5	70	56	184	1222	73.32	323	9947	2.43	7.4
30	1.18	6	85	62	203	1399	83.94	368	12970	2.96	6.9
30	1.18	7	100	64	210	1565	93.9	399	13851	3.18	7.0
32	1.25	5	85	62	203	1449	86.94	380	12970	2.96	7.2
32	1.25	6	100	64	210	1587	95.22	419	13851	3.18	7.4
32	1.25	7	120	66	216	1814	108.84	479	15679	3.98	8.0



GEAR DRIVEN SPRINKLERS

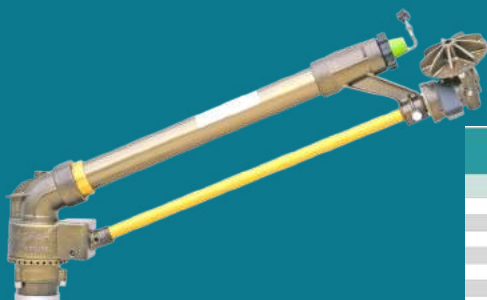
DuCaR Effluent Series Gear Driven Sprinklers



Water Input : 2" Female BSP
Working Pressure : 37 – 85 psi
Water Flow : 161 – 526 l/min
Shooting Radius : 22 – 38 m
Body Angle : 25°

DuCaR Jet 35T

Nozzle Diameter		Pressure		Jet Length		Capacity			Values for a single sprinkler		
mm	inch	atm	psi	m	feet	l/min	m ³ /h	G.P.M	Irrigated Area	acre	Rainfall per hour
12	0.47	2.5	37	22	72	161.7	10	43	1519	0.38	6.4
12	0.47	3	44	24	79	176.7	11	47	1808	0.45	5.9
12	0.47	4	56	26	85	203.3	12	54	2122	0.52	5.7
14	0.55	2.5	37	24	79	220	13	59	1906	0.45	7.2
14	0.55	3	44	26	85	233.3	14	62	2122	0.52	6.6
14	0.55	4	56	29	95	270	16	71	2640	0.65	6.1
14	0.55	5	70	32	105	305	18	81	3215	0.79	5.7
16	0.62	2	29	26	85	241.7	15	64	2122	0.52	6.8
16	0.62	3	44	29	95	296.7	18	78	2640	0.65	6.7
16	0.62	4	56	31	100	341.7	21	90	2920	0.72	7.0
16	0.62	5	70	33	108	386.7	23	102	3410	0.84	6.8
18	0.70	4	56	35	115	450	27	119	3846	0.95	7.0
18	0.70	5	70	36	118	476.7	29	126	4069	1.01	7.0
18	0.70	6	85	38	125	526.7	32	139	4534	1.12	7.0



Water Input : 2" Female BSP
Working Pressure : 37 – 100 psi
Water Flow : 220 – 950 l/min
Shooting Radius : 24 – 50 m
Body Angle : 25°

DuCaR Jet 50T

Nozzle Diameter		Pressure		Jet Length		Capacity			Values for a single sprinkler		
mm	inch	atm	psi	m	feet	l/min	m ³ /h	G.P.M	Irrigated Area	acre	Rainfall per hour
14	0.55	2.5	37	24	79	220	13.2	58	1808	0.45	7.3
14	0.55	3	44	26	85	233.3	14	62	2122	0.52	6.6
14	0.55	4	56	29	95	270	16.2	71	2640	0.65	6.1
16	0.62	2	29	26	85	241.7	14.5	64	2122	0.52	6.8
16	0.62	3	44	29	95	296.7	17.8	78	2640	0.65	6.7
16	0.62	4	56	31	100	341.7	20.5	90	2920	0.72	7.0
16	0.62	5	70	33	108	386.7	23.2	102	3410	0.84	6.8
18	0.70	3	44	32	105	375	22.5	99	3215	0.79	7.0
18	0.70	4	56	35	115	438.3	26.2	116	3846	0.95	6.9
18	0.70	5	70	37	121	470	28.2	124	4299	1.06	6.6
18	0.70	6	85	40	131	521.7	31.3	138	5024	1.24	6.2
20	0.78	3	44	35	115	445	26.7	118	3847	0.95	6.9
20	0.78	4	56	37	121	536.7	32.2	142	4299	1.06	7.5
20	0.78	5	70	42	138	591.7	35.5	156	5539	1.37	6.4
22	0.86	3	44	35	115	556.7	33.4	147	3846	0.95	8.7
22	0.86	4	56	37	121	641.7	38.5	170	4299	1.06	9.0
22	0.86	5	70	40	131	716.7	43	189	5024	1.24	8.6
22	0.86	6	85	42	138	766.7	47.2	208	5539	1.37	8.5
24	0.94	4	56	42	141	771.7	48.3	204	5905	1.43	8.0
24	0.94	5	70	45	148	801.7	48.1	212	6359	1.57	7.6
24	0.94	6	85	47	154	885	53.1	234	6936	1.71	7.7
24	0.94	7	100	50	164	950	57	251	7850	1.94	7.3



Water Input : 2.5" Flanged
Working Pressure : 44 – 100 psi
Water Flow : 375 – 1358 l/min
Shooting Radius : 32 – 53 m
Body Angle : 24°

DuCaR Jet 65T

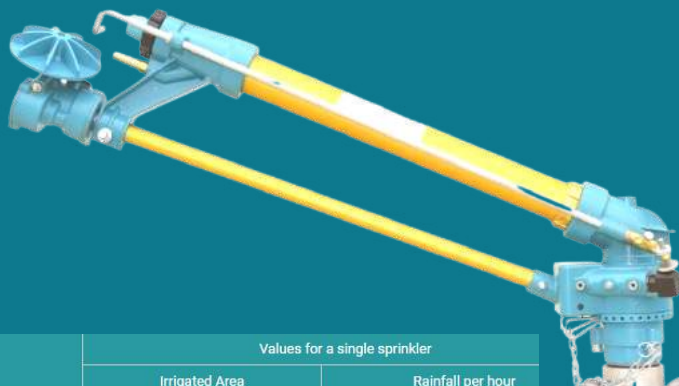
Nozzle Diameter		Pressure		Jet Length		Capacity			Values for a single sprinkler		
mm	inch	atm	psi	m	feet	l/min	m ³ /h	G.P.M	Irrigated Area	acre	Rainfall per hour
18	0.70	3	44	32	105	375	22.5	99	3215	0.79	7.0
18	0.70	4	56	35	115	438	26.3	116	3847	0.95	6.8
18	0.70	5	70	37	121	470	28.2	124	4299	1.06	6.6
18	0.70	6	85	40	131	522	31.3	138	5024	1.24	6.2
20	0.78	3	44	35	115	445	26.7	118	3847	0.95	6.9
20	0.78	4	56	37	121	537	32.2	142	4299	1.06	7.5
20	0.78	5	70	42	138	592	35.5	156	5539	1.37	6.4
22	0.86	3	44	35	115	557	33.4	147	3847	0.95	8.7
22	0.86	4	56	37	121	642	38.5	170	4299	1.06	9.0
22	0.86	5	70	40	131	717	43	189	5024	1.24	8.6
22	0.86	6	85	42	138	787	47.2	208	5539	1.37	8.5
24	0.94	4	56	43	141	772	46.3	204	5906	1.43	8.0
24	0.94	5	70	45	148	802	48.1	212	6359	1.57	7.6
24	0.94	6	85	47	154	885	53.1	234	6936	1.71	7.7
26	1	4	56	44	144	867	52	229	6079	1.50	8.6
26	1	5	70	46	151	967	58	255	6644	1.64	8.7
26	1	6	85	49	161	1067	64	282	7539	1.86	8.5
28	1.1	5	70	50	164	1117	67	295	7850	1.94	8.5
28	1.1	6	85	50	164	1233	74	320	7850	1.94	9.4
28	1.1	7	100	53	174	1358	82	359	8929	2.18	9.2



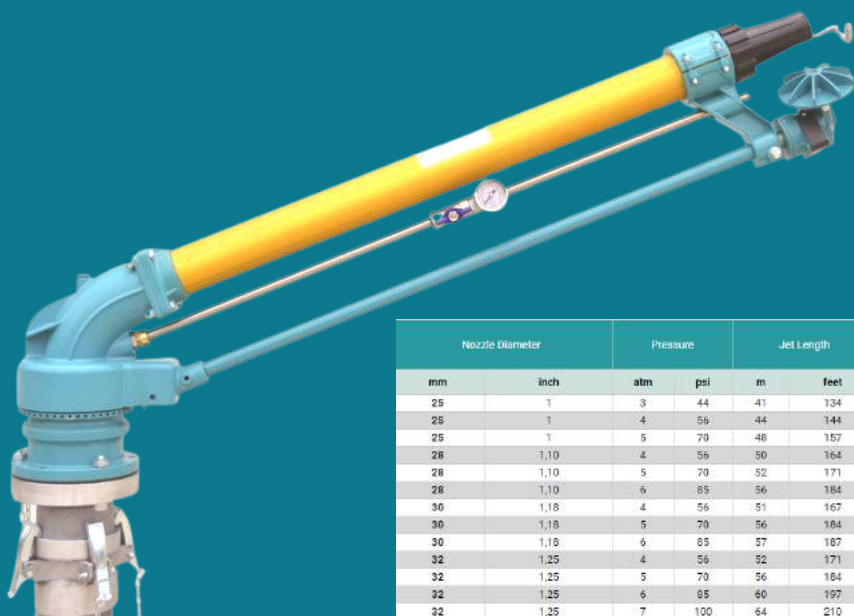
GEAR DRIVEN SPRINKLERS

DuCaR Jet 50

Water Input : 2" Female BSP
Working Pressure : 44 - 100 psi
Water Flow : 246 - 1020 l/min
Shooting Radius : 29 - 50 m
Body Angle : 25°



Nozzle Diameter		Pressure		Jet Length		Capacity			Values for a single sprinkler		
									Irrigated Area		Rainfall per hour
mm	inch	atm	psi	m	feet	l/min	m ³ /h	G.P.M	m ²	acre	mm/h
14	0.55	3	44	29	95	246,7	14,8	65	2640	0,65	5,6
14	0.55	4	56	32	105	286,7	17,2	76	3215	0,79	5,3
14	0.55	5	70	34	112	315	18,9	83	3629	0,90	5,2
16	0.62	3	44	30	98	308,3	18,5	81	2826	0,70	6,5
16	0.62	4	56	34	112	358,3	21,5	95	3629	0,90	5,9
16	0.62	5	70	35	115	391,7	23,5	103	3846	0,95	6,1
18	0.70	3	44	32	105	390	23,4	103	3215	0,79	7,3
18	0.70	4	56	35	115	445	26,7	118	3846	0,95	6,9
18	0.70	5	70	38	125	498,3	29,9	132	4534	1,12	6,6
18	0.70	6	85	41	134	553,3	33,2	146	5278	1,30	6,3
20	0.78	3	44	35	115	463,3	27,8	122	3846	0,95	7,2
20	0.78	4	56	38	125	548,3	32,9	145	4534	1,12	7,3
20	0.78	5	70	42	138	616,7	37	163	5538	1,37	6,7
22	0.86	4	56	40	131	680	40,8	180	5024	1,24	8,1
22	0.86	5	70	44	144	753,3	45,2	199	6079	1,50	7,4
22	0.86	6	85	47	154	818,3	49,1	216	6936	1,71	7,1
24	0.94	5	70	46	151	886,7	53,2	234	6644	1,64	8,0
24	0.94	6	85	48	157	958,3	57,5	253	7234	1,79	7,9
24	0.94	7	100	50	164	1020	61,2	269	7850	1,94	7,8



DuCaR Jet 200

Water Input : 3" Female BSP
Working Pressure : 44 - 114 psi
Water Flow : 720 - 3350 l/min
Shooting Radius : 41 - 84 m
Body Angle : 23°

Nozzle Diameter		Pressure		Jet Length		Capacity			Values for a single sprinkler		
									Irrigated Area		Rainfall per hour
mm	inch	atm	psi	m	feet	l/min	m ³ /h	G.P.M	m ²	acre	mm/h
25	1	3	44	41	134	720	43,2	190	5278	1,30	8,2
25	1	4	56	44	144	805	48,3	213	6079	1,50	7,9
25	1	5	70	48	157	917	55	242	7235	1,79	7,6
28	1,10	4	56	50	164	1050	63	277	7850	1,94	8,0
28	1,10	5	70	52	171	1200	72	317	8491	2,10	8,5
28	1,10	6	85	56	184	1300	78	343	9847	2,43	7,9
30	1,18	4	56	51	167	1220	73,2	322	8167	2,02	9,0
30	1,18	5	70	56	184	1383	83	365	9847	2,43	8,4
30	1,18	6	85	57	187	1488	89,3	393	10202	2,52	8,8
32	1,25	4	56	52	171	1393	83	365	8491	2,10	9,8
32	1,25	5	70	56	184	1550	93	409	9847	2,43	9,4
32	1,25	6	85	60	197	1733	104	458	11204	2,79	9,2
32	1,25	7	100	64	210	1850	111	489	12861	3,18	8,6
34	1,33	5	70	58	190	1750	105	462	10563	2,61	9,9
34	1,33	6	85	62	203	1950	117	515	12070	2,98	9,7
34	1,33	7	100	66	216	2033	122	537	12678	3,18	8,9
36	1,42	6	85	65	213	2117	127	559	13267	3,28	9,6
36	1,42	7	100	68	223	2253	135	595	14519	3,59	9,3
36	1,41	8	114	71	233	2435	145	643	15829	3,91	9,2
38	1,5	6	85	67	220	2317	139	612	14095	3,48	9,9
38	1,5	7	100	70	230	2483	149	656	15386	3,80	9,7
38	1,5	8	114	72	236	2683	161	709	16278	4,02	9,9
40	1,57	6	85	68	223	2600	156	687	14519	3,59	10,7
40	1,57	7	100	73	239	2700	162	718	16733	4,13	9,7
40	1,57	8	114	76	249	2950	177	779	18137	4,48	9,8
42	1,65	6	85	70	230	2800	168	740	15886	3,80	10,9
42	1,65	7	100	75	246	3000	180	798	17663	4,36	10,2
42	1,65	8	114	79	259	3150	189	832	19597	4,84	9,6
42	1,65	9	114	84	276	3350	201	885	22156	5,47	9,1

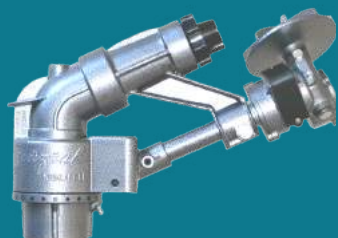


GEAR DRIVEN SPRINKLERS

DuCaR Application-Specific Gear Driven Sprinklers

DuCaR Turf Jet

(Designed for Turf Irrigation and Narrow Area Applications)



Water Input : 2" Female BSP
Working Pressure : 29 - 100 psi
Water Flow : 108 - 808 l/min
Shooting Radius : 19 - 46 m
Body Angle : 25°

Nozzle Diameter		Pressure		Jet Length		Capacity			Values for a single sprinkler		
mm	inch	atm	psi	m	feet	l/min	m ³ /h	G.P.M	irrigated Area	acre	Rainfall per hour
10	0.39	2	29	19	62	108.3	6.5	29	1133.5	0.28	5.7
10	0.39	3	44	21	69	125	7.3	33	1384	0.34	6.4
10	0.39	4	56	23	75	143.3	8.6	38	1601	0.41	7.2
12	0.47	2	29	21	69	140	8.4	37	1384	0.34	6.1
12	0.47	3	44	25	82	165	9.9	44	1662	0.48	7.0
12	0.47	4	56	28	92	191.7	11.5	51	2461	0.61	8.7
12	0.47	5	70	30	98	220	13.2	58	2826	0.72	10.0
14	0.70	2	29	21	69	140	8.4	37	1384	0.34	6.1
14	0.70	3	44	25	82	165	9.9	44	1662	0.48	7.0
14	0.70	4	56	28	92	191.7	11.5	51	2461	0.61	8.7
14	0.70	5	70	30	98	220	13.2	58	2826	0.72	10.0
16	0.62	2	29	24	77	203	12.2	54	1734	0.43	7.0
16	0.62	3	44	26	85	240	14.5	64	2040	0.51	8.4
16	0.62	4	56	28	92	280	17.0	72	2400	0.61	9.4
16	0.62	5	70	30	98	320	19.5	82	2800	0.72	10.0
18	0.70	2	29	24	77	240	14.5	64	2040	0.51	8.4
18	0.70	3	44	26	85	280	17.0	72	2400	0.61	9.4
18	0.70	4	56	28	92	320	19.5	82	2800	0.72	10.0
18	0.70	5	70	30	98	360	22.0	92	3200	0.84	11.0
20	0.78	2	29	24	77	280	17.0	72	2400	0.61	9.4
20	0.78	3	44	26	85	320	19.5	82	2800	0.72	10.0
20	0.78	4	56	28	92	360	22.0	92	3200	0.84	11.0
20	0.78	5	70	30	98	400	24.5	102	3600	0.96	12.0
22	0.86	2	29	24	77	320	19.5	82	2800	0.72	10.0
22	0.86	3	44	26	85	360	22.0	92	3200	0.84	11.0
22	0.86	4	56	28	92	400	24.5	102	3600	0.96	12.0
22	0.86	5	70	30	98	440	27.0	112	4000	1.08	13.0



Water Input : 2" Flange
Connection
Working Pressure : 30 - 70 psi
Water Flow : 133 - 717 l/min
Shooting Radius : 19 - 36 m
Body Angle : 18°

Pivot Jet

(Designed for Pivot and Windy Area Applications)

Nozzle Diameter		Pressure		Jet Length		Capacity			Values for a single sprinkler		
mm	inch	atm	psi	m	feet	l/min	m ³ /h	G.P.M	irrigated Area	acre	Rainfall per hour
12	0.47	2	30	19	61	133	8	35	1133	0.28	7.1
12	0.47	2.5	37	20	66	162	9.7	43	1256	0.31	7.7
12	0.47	3	44	22	71	177	10.6	47	1451	0.36	7.9
12	0.47	4	56	24	77	203	12.2	54	1734	0.43	7.0
14	0.55	2.5	37	22	71	220	13.2	58	1451	0.36	9.1
14	0.55	3	44	24	77	233	14	62	1734	0.43	8.1
14	0.55	4	56	26	85	270	16.2	71	2122	0.52	7.6
14	0.55	5	70	28	92	305	18.3	81	2540	0.65	8.9
16	0.62	2	30	24	77	242	14.5	64	1734	0.43	8.4
16	0.62	3	44	26	85	287	17.0	78	2122	0.52	8.4
16	0.62	4	56	28	90	342	20.5	90	2375	0.59	8.5
16	0.62	5	70	30	98	387	23.2	102	2826	0.70	8.2
18	0.70	3	44	29	95	375	22.5	99	2640	0.65	8.5
18	0.70	4	56	30	98	438	26.3	116	2826	0.70	9.3
18	0.70	5	70	33	108	470	28.2	124	3215	0.79	9.8
20	0.78	3	44	32	103	445	26.7	118	3155	0.78	8.5
20	0.78	4	56	33	108	537	32.2	142	3419	0.84	9.4
20	0.78	5	70	37	121	592	35.6	156	4298	1.06	8.3
22	0.86	3	44	32	103	557	33.4	147	3155	0.78	10.6
22	0.86	4	56	34	110	642	38.9	170	3523	0.87	10.9
22	0.86	5	70	36	118	717	43	189	4069	1.01	10.6

DuCaR Black Jet

(Designed for Low pH Water Applications)



Water Input : 2" Female BSP
Working Pressure : 37 - 85 psi
Water Flow : 220 - 885 l/min
Shooting Radius : 22 - 50 m
Body Angle : 25°

Nozzle Diameter		Pressure		Jet Length		Capacity			Values for a single sprinkler		
mm	inch	atm	psi	m	feet	l/min	m ³ /h	G.P.M	irrigated Area	acre	Rainfall per hour
14	0.55	2.5	37	24	79	220	13	58	1808	0.45	7.3
14	0.55	3	44	26	85	233.3	14	62	2122	0.52	6.6
14	0.55	4	56	29	95	270	16	71	2640	0.65	6.1
14	0.55	5	70	32	105	305	18	81	3215	0.79	5.7
16	0.62	2	29	26	83	241.7	15	64	2122	0.52	6.8
16	0.62	3	44	29	95	296.7	18	78	2640	0.65	6.7
16	0.62	4	56	31	100	341.7	21	90	2920	0.72	7.0
16	0.62	5	70	33	108	386.7	25	102	3419	0.84	6.8
18	0.70	3	44	32	105	375	22.5	99	3215	0.79	7.0
18	0.70	4	56	34	112	438.3	26.3	116	3846	0.95	6.8
18	0.70	5	70	35	115	470	28.2	124	4298	1.06	6.6
18	0.70	6	85	36	118	521.7	31.3	138	5024	1.24	6.2
20	0.78	3	44	34	112	442	26.7	118	3846	0.95	6.9
20	0.78	4	56	35	115	536.7	32.2	142	4298	1.06	7.5
20	0.78	5	70	36	118	591.7	35.5	156	5538	1.37	6.4
22	0.86	3	44	36	118	556.7	33.4	147	3846	0.95	8.7
22	0.86	4	56	37	121	641.7	38.5	170	4298	1.06	9.0
22	0.86	5	70	38	125	716.7	43	189	5024	1.24	8.6
24	0.94	4	56	38	125	771.7	46.3	204	5806	1.43	8.0
24	0.94	5	70	39	128	801.7	48.3	212	6359	1.57	7.6
24	0.94	6	85	41	134	885	53.1	234	8278	1.90	10.1



GEAR DRIVEN SPRINKLERS

DuCaR Industrial Series Gear Driven Sprinklers



DuCaR Dust Jet

Water Input : 2" Female BSP
Working Pressure : 44 – 100 psi
Water Flow : 250 – 967 l/min
Shooting Radius : 27 – 47 m
Body Angle : 43°

Nozzle Diameter		Pressure		Jet Length		Capacity	
mm	inch	atm	psi	m	feet	l/min	m ³ /h
14	50	3	44	27.5	90	250	15
14	50	4	56	30.5	100	287	17.2
14	50	5	70	32.5	107	322	19.3
14	50	6	85	34	112	343	20.6
16	52	3	44	30.5	100	313	18.8
16	52	4	56	33.5	110	358	21.5
16	52	5	70	35	115	403	24.2
16	52	6	85	37.5	123	425	25.5
18	70	4	56	35.5	116	457	28
18	70	5	70	37.5	123	493	29.6
18	70	6	85	40	131	543	32.6
20	78	3	44	33.5	110	462	27.7
20	78	4	56	37	121	553	33.2
20	78	5	70	39.5	130	608	36.5
20	78	6	85	42	138	632	37.9
22	86	3	44	35	115	879	52.4
22	86	4	56	38.5	126	958	57.5
22	86	5	70	41	134	1033	61.9
22	86	6	85	43	141	1067	64.3
24	94	4	56	39	128	1288	77.3
24	94	5	70	41.5	136	1418	85.5
24	94	6	85	45	148	1602	96.1
24	94	7	100	47	154	1667	100



DuCaR Dust Jet Pro

Water Input : 2.5" Flanged
Working Pressure : 44 – 100 psi
Water Flow : 683 – 1800 l/min
Shooting Radius : 38 – 55 m
Body Angle : 43°

Nozzle Diameter		Pressure		Jet Length		Capacity		Maximum Shooting Height		Distance at the soil from sprinkler to apogee	
mm	inch	atm	psi	m	feet	l/min	m ³ /h	GPM	m	feet	m
24	0.90	3	44	39	125	683	41	191	12	39	22
24	0.95	4	56	40	131	806	48	211	14	46	25
24	0.95	5	70	42	138	917	55	240	16	52	27
24	0.95	6	85	44	144	983	59	260	18	59	30
26	1.03	3	44	37	121	806	48	211	13	43	23
26	1.03	4	56	42	138	933	56	247	15	49	27
26	1.03	5	70	45	148	1059	63	277	17	56	29
26	1.03	6	85	46	157	1133	68	299	18	59	30
28	1.1	3	44	38	125	933	56	247	18	59	24
28	1.1	4	56	44	144	1063	65	286	16	52	27
28	1.1	5	70	47	154	1200	72	317	17	56	29
28	1.1	6	85	50	164	1300	78	343	19	62	31
30	1.18	4	56	46	151	1200	72	317	16	52	27
30	1.18	5	70	49	161	1350	81	357	18	59	30
30	1.18	6	85	52	171	1489	89	392	19	62	32
32	1.25	4	56	47	154	1333	80	352	17	56	28
32	1.25	5	70	50	164	1533	92	405	19	62	31
32	1.25	6	85	53	174	1667	100	440	21	69	33
32	1.25	7	100	55	180	1800	108	476	22.5	74	35



DuCaR Fire Jet Pro

Water Input : 3" Flanged
Working Pressure : 56 – 114 psi
Water Flow : 1220 – 2435 l/min
Shooting Radius : 49 – 70 m
Body Angle : 23°

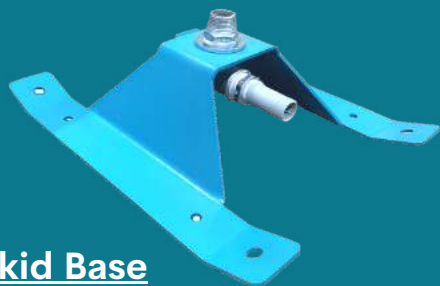
Nozzle Diameter		Pressure		Jet Length		Capacity		Values for a single sprinkler			
								Irrigated Area		Rainfall per hour	
mm	inch	atm	psi	m	feet	l/min	m ³ /h	GPM	m ²	acre	mm/h
30	1.18	4	56	49	161	1220	73.2	322	7539	1.86	9.7
30	1.18	5	70	52	184	1383	83	365	8491	2.1	9.8
30	1.18	6	85	57	187	1489	89.3	393	10202	2.52	8.8
32	1.25	4	56	51	167	1383	83	365	8167	2.02	10.2
32	1.25	5	70	55	180	1550	93	409	9499	2.35	9.8
32	1.25	6	85	60	197	1733	104	458	11304	2.79	9.2
32	1.25	7	100	63	207	1850	111	489	12463	3.08	8.9
34	1.33	5	70	57	187	1750	105	462	10202	2.52	10.3
34	1.33	6	85	60	197	1950	117	515	12861	3.18	9.5
34	1.33	7	100	64	210	2033	122	537	12861	3.18	9.5
36	1.42	6	85	62	213	2117	127	559	12070	2.98	10.5
36	1.42	7	100	66	216	2253	135	595	13678	3.38	9.9
36	1.41	8	114	70	230	2435	146	643	15386	3.80	9.5



STANDS & CARTS

Heavy Duty, Easy to Use Commercial Grade Irrigation Sprinkler Stands & Carts

DuCaR Sprinklers supply highly durable, galvanised/polished irrigation sprinkler stands and carts for low to high volume irrigation sprinklers. Our wide range of models are skid bases, tripod stands, 4-legged stands, wheeled carts, and wheeled cart with hose reel. They are perfect for any portable and fixed irrigation systems.



Skid Base

Water Input : 3/4" Male BSP
Sprinkler Connection : 1" Male BSP
Thickness : 4 mm



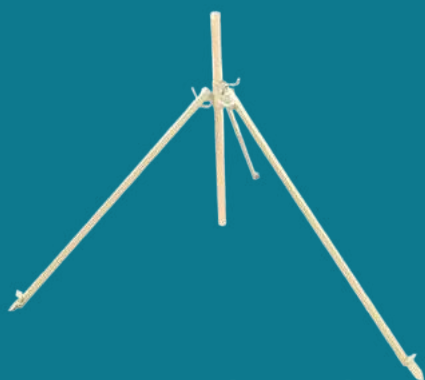
1" Wheeled Cart

Water Input : 1" Male BSP
Sprinkler Connection : 1" Male BSP
Working Pressure: 30-60 psi



1.5" Wheeled Cart

Water Input : 1.5" Male BSP Thread
Water Outlet : 1.5" Male BSP Thread
Working Pressure : 30 - 75 psi



1" Tripod Stand

Water Input : 1" Male BSP Thread
Water Outlet : 1" Male BSP Thread
Working Pressure : 30 - 60 psi



**1.5" 4-Legged Pro
Connection Stand**

Water Input : 1.5" Male BSP Thread
Water Outlet : 1.5" Male BSP Thread
Working Pressure : 30 - 60 psi



**2" 4-Legged Stand
with Quick Coupling**

Water Input : 2" Male BSP Thread
Water Outlet : 2" Female/Male
Quick Coupling
Working Pressure : 30 - 90 psi



2" Wheeled Cart

Water Input : 2" Male BSP Thread
Water Outlet : 2" Male BSP Thread
Working Pressure : 30 - 90 psi



2" Wheeled Cart with Hose Reel

Water Input/Outlet : 2" Male BSP Thread
Tow Bar : Intergrated
Working Pressure : 30 - 90 psi



IRRICRUISER MINI

New Generation Turbine Driven Travelling Irrigator



FEATURES:

- Hot dip galvanised and powder-coated chassis & Aluminium frame
- Patented travel shut-off mechanism
- High efficient turbine
- Delivers high torque at low RPMs even towards end of run (0.8 to 1.3 bar pressure loss for operation of the turbine).
- Single speed gear box
- Compact design, easy to use and store
- Hose reel
- Portability
- Excellent Water Uniformity
- Long Life & Simple Maintenance
- Easy and safe operation
- Very low labour requirement
- Cable length 120 m
- Lay Flat Hose : 60m of 1 1/4" (32 mm) Premium Drag Hose
- Required water flow : 50 - 120 l/min
- Designed in Australia, made in Turkey



Run Length: 120m

Working Pressure: 30 - 51 psi

Water Flow: 57-117 l/min

Effective Spray Width: 30 - 41 m

Sprinkler: DuCaR Atom 22

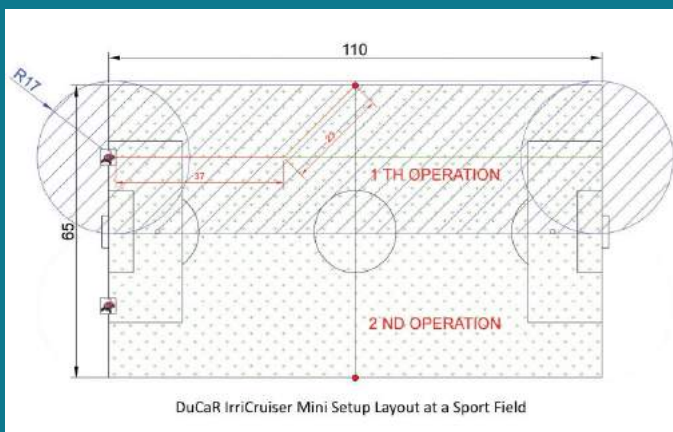
APPLICATIONS:

- Agriculture: Small hobby farms
- Turf Irrigation: Golf, race/horse courses, playing/sports fields and gardens
- Dust Control: Mining and construction sites

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IRRICRUISER MINI



DuCaR IrriCruiser Aluminium Turbine System

- The turbine provides the high torque to pull the DuCaR IrriCruiser & Hose along the cable in tough conditions.
- DuCaR IrriCruiser MINI develops the power as a result of water flow, not pressure. Therefore it can be operated at low pressures.
- No Filters required for the turbine drive.
- No exhaust water from the turbine drive, all water is distributed through the sprinkler.



IRRICRUISER MINI TD1250-120 RAINFALL AND VELOCITY RELATIONS TABLE

IRRICRUISER MINI TD1250-120 CUADRO DE LA RELACIÓN CAÍDA DE AGUA Y VELOCIDAD

Sprinkler Type - Tip aspersor :
Hose Diameter and Length :
 Diametrul furtunului si lungimea :
Maximum Run Length :
 Lungimea de deplasare a tamburului

DuCaR Atom 22
 Diameter : 32 mm (1 1/4 ") ; Length : 60 metres
 Diámetro : 32 mm (1 1/4 ") ; Largo : 60 metros
 120 metres
 120 metros

Nozzle Size Dimensiunea de la Boquilla	Sprinkler Pressure Presiunea in el Aspersor		Sprinkler Throw Range Rango de Alcance del Aspersor (m)	% 85 of Throw Diameter of Sprinkler 85% del Diámetro de Alcance del Aspersor (m)	Capacity Capacidad		Irrigated Area Area Irrigada m²	Linear Velocity Velocidad de la Linea del Irrigador Metros / Hora	Total Pressure Necessity Total de Presión Necesitada		Turbine Pressure Loss (bar)	mm Rainfall mm Caída de Agua	Total Operation Time for 120 metre run (min) Tiempo total de operación para 120 metro de recorrido (min)
	bar	psi			Flow Rate Liter / Min Ratio del Flujo Litros / Min	Flow Rate m³ / Hour Ratio del Flujo m³ / Hora			bar	psi			
8 mm	2	29	16.5	28	57	3.4	3675	19	3.0	44	1.0	2.8	379
	3	44	18	31	68	4.1	4040	40	4.2	61	1.2	3.1	180
	4	58	19	32	80	4.8	4285	55	6.0	87	2.0	3.4	131
8 mm X 4mm	2	29	16.5	28	72	4.3	3675	39	3.2	46	1.2	3.6	185
	3	44	18	31	87	5.2	4040	60	5.0	73	2.0	4.0	120
	4	58	19	32	100	6	4285	80	7.0	102	3.0	4.3	90
10 mm	2	29	17	29	88	5.3	3796	82	4.0	58	2.0	4.3	88
	3	44	19.5	33	107	6.4	4409	85	6.0	87	3.0	4.5	85
	3.5	51	20.5	35	117	7	4659	103	7.0	102	3.5	4.6	70

* PS 1: The table above was prepared with mathematical formulas and data under average working conditions. It is targeted to give general information to the user. Real data can be changed during using conditions. DuCaR Sprinklers does not accept any responsibility according to usage of this Table.

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IRRICRUISER MINI PLUS



FEATURES:

- Hot dip galvanised chassis & Aluminium frame
- Patented travel shut-off mechanism
- High efficient turbine
- Single speed gear box
- Speed control valve, precise speed control between 10 m/h and 70 m/h
- Compact design, easy to use and store
- Auto stop mechanism
- Manually operated separate hose reel, can be hooked up to the machine
- Excellent Water Uniformity
- Long Life & Simple Maintenance
- Easy and safe operation
- Very low labour requirement
- Cable length: 150 m
- Lay Flat Hose : 75m of 1.5" Premium Drag Hose
- Designed in Australia, made in Turkey



Run Length: 150m

Working Pressure: 29 - 60 psi

Water Flow: 108 - 310 l/min

Effective Spray Width: 32 - 48 m

Sprinkler: DuCaR Atom 28

APPLICATIONS:

- Agriculture: Small crop or hobby farms
- Turf Irrigation: Golf, race/horse courses, playing/sports fields and gardens
- Dust Control: Mining and construction sites

www.irrigationbox.com.au



IRRICRUISER MINI PLUS

New Generation DuCaR IrriCruiser Aluminium Turbine System

- The turbine provides the high torque to pull the DuCaR IrriCruiser & hose along the cable in tough conditions.
- DuCaR IrriCruiser MINI PLUS develops the power as a result of water flow, not pressure. Therefore it can be operated at low pressures.
- DuCaR IrriCruiser MINI PLUS allows you to adjust a wide range of travel speeds to suit your particular crop water requirements, so you can save a lot of energy.
- The volume of water entering the turbine is controlled by a diverter valve to adjust the flow rate between the turbine and the by-pass line. Thus, the DuCaR IrriCruiser provides wide range of travel speeds to suit different crop water requirements.
- No Filters required for the turbine drive.
- No exhaust water from the turbine drive, all water is distributed through the sprinkler.

IRRICRUISER MINI PLUS TD1500-140 RAINFALL AND VELOCITY RELATIONS TABLE

IRRICRUISER MINI PLUS TD1500-140 CUADRO DE LA RELACIÓN CAÍDA DE AGUA Y VELOCIDAD

Sprinkler Type - Tip aspersor

DuCaR Atom 28 Metal (10mm-12mm-14mm nozzles)

Hose Diameter and Length :

Diameter : 42 mm (1 1/2 ") ; Length : 70 metres

Diámetro interno y Largo de la Manguera :

Diámetro : 42 mm (1 1/2 ") ; Largo : 70 metros

Maximum Run Length

: 140 metres

Largo del Recorrido

140 Metros

						Irrigated Area Área Irigada	Turbine Pressure Loss Pérdida de Presión en la Plataforma			Turbine Pressure Loss Pérdida de Presión en la Plataforma			Turbine Pressure Loss Pérdida de Presión en la Plataforma			Turbine Pressure Loss Pérdida de Presión en la Plataforma			
							1.6			1.2			1			0.8			
Capacity Capacidad							5			10			15			20			
						mm Rainfall mm Caída de Agua			mm Rainfall mm Caída de Agua			mm Rainfall mm Caída de Agua			mm Rainfall mm Caída de Agua				
Nozzle Size Dimensión de la Boquilla	Sprinkler Pressure Presión en el Asesor		Sprinkler Throw Range Rango de Alcance del Asesor (m)	% 85 of Throw Diameter of Sprinkler 85% del Diámetro de Alcance del Asesor (m)	Flow Rate Liter/Min Ratio del Flujo Litros / Min.	Flow Rate m³ / Hour Ratio del Flujo m3 / Hora	m²	Lineer Velocity meter/hour Velocidad de la Línea del Irriforce Metros / Hora	Total Pressure Necessity Total de Presión Necesitada		Lineer Velocity meter/hour Velocidad de la Línea del Irriforce Metros / Hora	Total Pressure Necessity Total de Presión Necesitada		Lineer Velocity meter/hour Velocidad de la Línea del Irriforce Metros / Hora	Total Pressure Necessity Total de Presión Necesitada		Lineer Velocity meter/hour Velocidad de la Línea del Irriforce Metros / Hora	Total Pressure Necessity Total de Presión Necesitada	
	(Bar)	(Psi)							(Bar)	(Psi)		(Bar)	(Psi)		(Bar)	(Psi)		(Bar)	(Psi)
10 mm 4mm	2	29	19	32	108	6.48	4931	37	3.9	57	18	3.5	51	12	3.3	48	9	3.1	45
	3	44	21	36	130	7.8	5498	40	5	73	20	4.6	67	13	4.4	64	10	4.2	61
	4	58	23	39	151	9.06	6074	42	6.1	88	21	5.7	83	14	5.5	80	10	5.3	77
12 mm 4mm	2	29	21	36	152	9.12	5498	46	4.1	59	23	3.7	54	15	3.5	51	12	3.3	48
	3	44	23	39	182	10.92	6074	50	5.3	77	25	4.9	71	17	4.7	68	13	4.5	65
	4	58	25.5	43	211	12.66	6807	52	6.6	96	26	6.2	90	17	6	87	13	5.8	84
14 mm 4mm	2	29	22	37	195	11.7	5785	57	4.4	64	28	4	58	19	3.8	55	14	3.6	52
	3	44	24	41	239	14.34	6365	63	5.8	84	32	5.4	78	21	5.2	75	16	5	73
	4	58	27	46	277	16.62	7253	64	7.3	106	32	6.9	100	21	6.7	97	16	6.5	94
16 mm With Atom35 Sprinkler	2.5	36	24	41	258	15.48	6365	68	5.5	80	34	5.1	74	23	4.9	71	17	4.7	68
	3	44	26	44	285	17.1	6955	69	6.4	93	34	6	87	23	5.8	84	17	5.6	81
	3.5	51	28	48	310	18.6	7553	69	7.4	107	34	7	102	23	6.8	99	17	6.6	96

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IRRICRUISER MIDI PLUS



FEATURES:

- Hot dip galvanised chassis & Aluminium frame
- Patented travel shut-off mechanism
- High efficient turbine
- Single speed gear box
- Speed control valve, precise speed control between 10 m/h and 70 m/h
- Compact design, easy to use and store
- Auto stop mechanism
- PTO driven integrated hose reel
- Portable
- Excellent Water Uniformity
- Long Life & Simple Maintenance
- Easy and safe operation
- Very low labour requirement
- Cable length: 200 m
- Lay Flat Hose : 100m of 2.5" Premium Drag Hose
- Designed in Australia, made in Turkey



Run Length: 200m

Working Pressure: 45 - 75 psi

Water Flow: 300 - 600 l/min

Effective Spray Width: 50 - 70 m

Sprinkler: DuCaR Jet 50

APPLICATIONS:

- Agriculture: Small crop, pasture, or dairy farms
- Turf Irrigation: Golf, race/horse courses, playing/sports fields and gardens
- Dust Control: Mining and construction sites

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IRRICRUISER MIDI PLUS

New Generation DuCaR IrriCruiser Aluminium Turbine System

- The turbine provides the high torque to pull the DuCaR IrriCruiser & Hose along the cable in tough conditions.
- DuCaR IrriCruiser develops the power as a result of water flow, not pressure. Therefore it can be operated at low pressures.
- Our PATENTED by-pass line system allows you to adjust the water flow rate in the turbine. Therefore, you can simply adjust the speed and run the machine only required amount of water flow rate.
- The volume of water entering the turbine is controlled by a diverter valve, which enables you to adjust infinite range of travel speeds to suit differing crop water requirements and run the machine very efficiently.
- The travelling speed is read on its accurate tachometer.
- No filters required for the turbine.
- No exhaust water from the turbine drive, all water is distributed through the sprinkler

IRRICRUISER MIDI PLUS TD2500-200 RAINFALL AND VELOCITY RELATIONS TABLE

Sprinkler Model : DuCaR Jet 50
Hose Inside Diameter and Length 100m of 65mm, (2.5") Premium Quality Drag Hose

Sprinkler Quantity : 1

				Capacity		Irrigated Area	Turbine Pressure Loss (Bar) 1.3		Turbine Pressure Loss (Bar) 1.1		Turbine Pressure Loss (Bar) 0.8		Turbine Pressure Loss (Bar) 0.8		Turbine Pressure Loss (Bar) 0.8	
							10 mm Rainfall		15 mm Rainfall		20 mm Rainfall		25 mm Rainfall		30 mm Rainfall	
Nozzle Size	Sprinkler Pressure	Radius m	%85 of Diameter	Flow Rate Lt/Min	Flow Rate m ³ / Hour	m ²	Irriforce Lineer Velocity meter/hour	Total Pressure Bar	Irriforce Lineer Velocity meter/hour	Total Pressure Bar	Irriforce Lineer Velocity meter/hour	Total Pressure Bar	Irriforce Lineer Velocity meter/hour	Total Pressure Bar	Irriforce Lineer Velocity meter/hour	Total Pressure Bar
16mm	3	30	51	308	18.5	11221	36	4.5	24	4.3	18	4.0	15	4.0	12	4.0
	4	34	58	358	21.5	12871	37	5.7	25	5.5	19	5.2	15	5.2	12	5.2
	5	35	60	392	23.5	13290	39	6.7	26	6.5	20	6.2	16	6.2	13	6.2
18mm	3	32	54	390	23.4	12042	43	4.8	29	4.6	22	4.3	17	4.3	14	4.3
	4	35	60	445	26.7	13290	45	5.9	30	5.7	22	5.4	18	5.4	15	5.4
	5	38	65	498	29.9	14558	46	7	31	6.8	23	6.5	19	6.5	15	6.5
20mm	3	35	60	463	27.8	13290	47	4.9	31	4.7	23	4.4	19	4.4	16	4.4
	4	38	65	548	32.9	14558	51	6.2	34	6	25	5.7	20	5.7	17	5.7
	5	42	71	617	37	16281	52	7.4	35	7.2	26	6.9	21	6.9	17	6.9
22mm	3	36	61	567	34	13710	56	5.2	37	5	28	4.7	22	4.7	19	4.7
	4	40	68	680	40.8	15415	60	6.6	40	6.4	30	6.1	24	6.1	20	6.1

* NOTE : The Table above was prepared with mathematical formulas and datas under average working conditions. It is targeted to give general information to the user. Real datas can be changed during using conditions. DuCaR Sprinklers does not accept any responsibility according to usage of this Table.

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IRRICRUISER MICO



FEATURES:

- Hot dip galvanised hose reel and chassis
- Patented speed adjustment and By-pass mechanism
- Travel shut-off mechanism
- High efficient turbine
- Single speed gear box
- Sensitive speed control
- Manual brake system
- PTO driven integrated hose reel
- Wide tyres make the the machine perfect for turf irrigation
- Excellent Water Uniformity
- Long Life & Simple Maintenance
- Easy and safe operation
- Very low labour requirement
- Sensitive wheel system
- NO EXHAUSET WATER - NO PISTON - NO TOO MANY MOVING PARTS
- Lay Flat Hose : 150m of 2.5" Premium Drag Hose
- Designed in Australia, made in Turkey



Run length: 300m

Working Pressure: 40 - 90 psi

Water Flow: 300 - 750 l/min

Effective Spray Width: 50 - 90 m

Sprinkler : DuCaR Jet 55

APPLICATIONS:

- Agriculture: Small crops, pastures, and dairy farms
- Turf Irrigation: Golf, race/horse courses, playing/sports fields and gardens
- Dust Control: Mining and construction sites

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IRRICRUISER MICO

New Generation DuCaR IrriCruiser Aluminium Turbine System

- The turbine provides the high torque to pull the DuCaR IrriCruiser & Hose along the cable in tough conditions.
- DuCaR IrriCruiser develops the power as a result of water flow, not pressure. Therefore it can be operated at low pressures.
- Our PATENTED by-pass line system allows you to adjust the water flow rate in the turbine. Therefore, you can simply adjust the speed and run the machine only required amount of water flow rate.
- The volume of water entering the turbine is controlled by a diverter valve, which enables you to adjust infinite range of travel speeds to suit differing crop water requirements and run the machine very efficiently.
- The travelling speed is read on its accurate tachometer.
- No filters required for the turbine.
- No exhaust water from the turbine drive, all water is distributed through the sprinkler.

IRRICRUISER MICO TD2500-300 RAINFALL AND VELOCITY RELATIONS TABLE

IRRICRUISER MICO TD2500 - 300 CUADRO DE LA RELACIÓN CAÍDA DE AGUA Y VELOCIDAD

1

Sprinkler Type - Tip aspersor :

Hose Diameter and Length :

Diámetro interno y Largo de la Manguera :

Maximum Traveller Length :

Largo del Recorrido :

DuCaR Jet 50

65mm 150M hose X Maximum 300M Travel Length

Diámetro : 65mm 150M manguera X Maximum ; Largo : 300M

300 Meters

300 Metros

Largo del Recorrido :										300 Metros		Turbine Pressure Loss (Bar) Pérdida de Presión en la Plataforma			1.3			Turbine Pressure Loss (Bar) Pérdida de Presión en la Plataforma			1			Turbine Pressure Loss (Bar) Pérdida de Presión en la Plataforma			0.8			Turbine Pressure Loss (Bar) Pérdida de Presión en la Plataforma			0.8		
										Capacity Capacidad		Irrigated Area Área Irrigada		10			20			25			30												
														mm rainfall mm Caída de Agua			mm rainfall mm Caída de Agua			mm rainfall mm Caída de Agua			mm rainfall mm Caída de Agua												
Nozzle Size Dimensión de la Boquilla	Sprinkler Pressure (Bar) Presión en el Aspersor		Sprinkler Throw Range Rango de Alcance del Aspersor (m)	% 85 of Throw Diameter of Sprinkler 85% del Diámetro de Alcance del Aspersor (m)	Flow Rate Liter/Min Ratio del Flujo Litros / Min.	Flow Rate m³ / Hour Ratio del Flujo m³ / Hora	m²	Lineer Velocity meter/hour Velocidad de la Línea del Irriforce Metros / Hora	Total Pressure Total de Presión Necesitada		Lineer Velocity meter/hour Velocidad de la Línea del Irriforce Metros / Hora	Total Pressure Total de Presión Necesitada		Lineer Velocity meter/hour Velocidad de la Línea del Irriforce Metros / Hora	Total Pressure Total de Presión Necesitada		Lineer Velocity meter/hour Velocidad de la Línea del Irriforce Metros / Hora	Total Pressure Total de Presión Necesitada																	
	BAR	PSI							BAR	PSI		BAR	PSI		BAR	PSI		BAR	PSI																
16mm	3	44	30	51	308	18.5	16321	34	4.7	68	17	4.4	64	14	4.2	61	11	4.2	61																
	4	58	34	58	358	21.5	18651	35	5.9	86	17	5.6	81	14	5.4	78	12	5.4	78																
	5	73	35	60	392	23.5	19240	37	7	102	18	6.7	97	15	6.5	94	12	6.5	94																
18mm	3	44	32	54	390	23.4	17482	40	5	73	20	4.7	68	16	4.5	65	13	4.5	65																
	4	58	35	60	445	26.7	19240	42	6.2	90	21	5.9	86	17	5.7	83	14	5.7	83																
	5	73	38	65	498	29.9	21018	43	7.4	107	21	7.1	103	17	6.9	100	14	6.9	100																
20mm	6	87	41	70	553	33.2	22817	44	8.6	125	22	8.3	120	17	8.1	117	15	8.1	117																
	3	44	35	60	463	27.8	19240	43	5.2	75	22	4.9	71	17	4.7	68	14	4.7	68																
	4	58	38	65	548	32.9	21018	47	6.6	96	23	6.3	91	19	6.1	88	16	6.1	88																
22mm	5	73	42	71	617	37	23421	47	7.8	113	24	7.5	109	19	7.3	106	16	7.3	106																
	6	87	44	75	700	42	24636	51	9.2	133	26	8.9	129	20	8.7	126	17	8.7	126																
	3	44	36	61	567	34	19830	51	5.5	80	26	5.2	75	21	5.0	73	17	5.0	73																
	4	58	40	68	680	40.8	22215	55	7.1	103	28	6.8	99	22	6.6	96	18	6.6	96																
	5	73	44	75	753	45.2	24636	55	8.5	123	28	8.2	119	22	8.0	116	18	8.0	116																

* NOT :

The Table above was prepared with mathematical formulas and datas under average working conditions. It is targeted to give general information to the user. Real datas can be changed during using conditions. DuCaR Sprinklers does not accept any responsibility according to usage of this Table.

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IRRICRUISER COMFORT



FEATURES:

- Heavy duty design
- Hot dip galvanised hose reel and chassis
- Patented speed adjustment and By-pass mechanism
- Travel shut-off mechanism
- High efficient turbine
- Single speed gear box and sensitive speed control
- Manual brake system
- PTO driven integrated hose reel
- PTO driven purge pump
- Portable, easy and safe operation
- Excellent Water Uniformity
- Long Life & Simple Maintenance
- Very low labour requirement
- Sensitive wheel system
- NO EXHAUST WATER - NO PISTON - NO TOO MANY MOVING PARTS
- Cable length: 400 m
- Lay Flat Hose : 2.5" or 3" 200m Premium Drag Hose
- Designed in Australia, made in Turkey



Run Length: 400m

Working Pressure: 50 - 85 psi

Water Flow: 400 - 900 l/min

Effective Spray Width: 60 - 90 m

Sprinkler: DuCaR Jet 55

APPLICATIONS:

- Agriculture: Small crops, pastures, and dairy farms
- Turf Irrigation: Golf, race/horse courses, playing/sports fields and gardens
- Dust Control: Mining and construction sites

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IRRICRUISER COMFORT

New Generation DuCaR IrriCruiser Aluminium Turbine System

- The turbine provides the high torque to pull the DuCaR IrriCruiser & Hose along the cable in tough conditions.
- DuCaR IrriCruiser develops the power as a result of water flow, not pressure. Therefore it can be operated at low pressures.
- Our PATENTED by-pass line system allows you to adjust the water flow rate in the turbine. Therefore, you can simply adjust the speed and run the machine only required amount of water flow rate.
- The volume of water entering the turbine is controlled by a diverter valve, which enables you to adjust infinite range of travel speeds to suit differing crop water requirements and run the machine very efficiently.
- The travelling speed is read on its accurate tachometer.
- No filters required for the turbine drive.
- No exhaust water from the turbine drive, all water is distributed through the sprinkler.

Sprinkler Type - Tip aspersor
Hose Diameter and Length :
Diámetro interno y Largo de la Manguera :
Maximum Run Length :
Largo del Recorrido :

DuCaR Jet 55
76mm (3") 200M hose X Maximum 400M Run Length
Diámetro 76mm 200M Manguera X Maximum ; Largo 400 M
400 Metres
400 Metros

							Turbine Pressure Loss (Bar) <i>Pérdida de Presión en la Plataforma</i>	1.3	Turbine Pressure Loss (Bar) <i>Pérdida de Presión en la Plataforma</i>	1	Turbine Pressure Loss (Bar) <i>Pérdida de Presión en la Plataforma</i>	0.8	Turbine Pressure Loss (Bar) <i>Pérdida de Presión en la Plataforma</i>	0.8		
							Capacity <i>Capacidad</i>	Irrigated Area <i>Area Irrigada</i>	10 <i>mm rainfall mm Caida de Agua</i>	20 <i>mm rainfall mm Caida de Agua</i>	25 <i>mm rainfall mm Caida de Agua</i>	30 <i>mm rainfall mm Caida de Agua</i>				
Nozzle Size <i>Dimensión de la Boquilla</i>	Sprinkler Pressure <i>Presión en el Aspersor</i>		Sprinkler Throw Range <i>Rango de Alcance del Aspersor (m)</i>	% 85 of Throw Diameter of Sprinkler <i>85% del Diámetro de Alcance del Aspersor (m)</i>	Flow Rate Liter/Min <i>Ratio del Flujo Litros / Min.</i>	Flow Rate m ³ / Hour <i>Ratio del Flujo m3 / Hora</i>	m ²	Linear Velocity meter/hour <i>Velocidad de la Línea del Irriforce Metras / Hora</i>	Total Pressure <i>Total de Presión Necesitada</i>		Linear Velocity meter/hour <i>Velocidad de la Línea del Irriforce Metras / Hora</i>	Total Pressure <i>Total de Presión Necesitada</i>		Linear Velocity meter/hour <i>Velocidad de la Línea del Irriforce Metras / Hora</i>	Total Pressure <i>Total de Presión Necesitada</i>	
	BAR	PSI							BAR	PSI		BAR	PSI		BAR	PSI
	3	44							32	54		390	23.4		22922	35
18mm	4	58	35	60	445	26.7	25190	35	5.9	86	18	5.7	83	14	5.5	80
	5	73	38	65	498	29.9	27478	37	6.9	100	19	6.7	97	15	6.5	94
	3	44	35	60	463	27.8	25190	44	4.8	70	22	4.5	65	18	4.3	62
20mm	4	58	38	65	548	32.9	27478	48	6.1	88	24	5.8	84	19	5.6	81
	5	73	42	71	617	37	30561	48	7.3	106	24	7.0	102	19	6.8	99
	6	87	44	75	700	42	32116	52	8.6	125	26	8.3	120	21	8.1	117
22mm	3	44	36	61	567	34	25950	52	5.1	74	26	4.8	70	21	4.6	67
	4	58	41	70	680	40.8	29787	55	6.5	94	27	6.2	90	22	6.0	87
	5	73	44	75	753	45.2	32116	56	7.5	109	28	7.2	104	23	7.0	102
24mm	6	87	48	82	783	47	35253	53	8.7	126	27	8.4	122	21	8.2	119
	3	44	38	65	683	41	27478	60	5.5	80	30	5.2	75	24	5.0	73
	4	58	43	73	800	48	31337	61	6.9	100	31	6.6	96	25	6.4	93
26mm	5	73	49	83	917	55	36044	61	8.3	120	31	8.0	116	24	7.8	113
	4	58	48	82	850	51	35253	58	7.0	102	29	6.7	97	23	6.5	94
	5	73	50	85	950	57	36836	62	8.4	122	31	8.1	117	25	7.9	115
28mm	4	58	49	83	1000	60	36044	67	7.7	112	33	7.4	107	27	7.2	104
	5	73	53	90	1100	66	39226	67	9.1	132	34	8.8	128	27	8.6	125

* NOTE : The table above was prepared with mathematical formulas and data under average working conditions. It is targeted to give general information to the user. Real data can be changed during using conditions. DuCaR Sprinklers does not accept any responsibility according to usage of this Table.

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CASELLA GARDEN 50/160



Compact, easy to use small hard hose irrigator



FEATURES:

- Heavy duty design
- Sprinkler trolley with quick unhooking mechanism
- Travel shut-off mechanism
- Highly efficient turbine and gear-box
- Minimum pressure required 3.5 Bar, maximum 8 Bar.
- Sensitive speed control between 10 to 40 m/h
- Coaxial reducer to rewind the hose with hydraulic turbine.
- Trolley with 2 rubber wheels
- Compact dimensions, optimum weight balancing on wheels
- Adjustable sector irrigator with nozzles of different diameters
- Automatic stop at the end of the work
- Excellent Water Uniformity
- Long Life & Simple Maintenance.
- Very low labour requirement
- Made in Italy

- **Hose Length: 160 m**
- **Hose Diameter: 50 mm**
- **Hose Thickness: 4.3 mm**
- **Working Pressure: 45 - 90 psi**
- **Water Flow: 90 - 280 l/min**
- **Effective Spray Width (Diameter): 36 - 50 m**
- **Total Irrigated Area: 195 X 350 m = 68,250 m² (6.8 Hectare) in 7 days**
- **Sprinkler: DuCaR Atom 28**
- **Weight: 285 kg**
- **Mechanism: Gear Box directly integrated to turbine**
- **Rewind Speed: 10 - 40 m/h**

APPLICATIONS:

- Agriculture: Small crops and hobby farms
- Turf Irrigation: Golf, race courses, playing fields and gardens
- Dust Control: Mining and construction sites

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CASELLA GARDEN 50/160



Technical Specifications of DuCaR Atom 28 Sprinkler Head

Nozzle Diameter		Pressure		Jet Length		Capacity			Values for a single sprinkler		
									Irrigated Area	Rainfall per hour	
mm	inch	atm	psi	m	feet	l/min	m ³ /h	G.P.M	m ²	acre	mm/h
10	.39	2	29	19	62	86,7	6,5	23	1134	0,28	4,6
10	.39	3	44	21	69	107	7,8	28	1385	0,34	4,6
10	.39	4	56	23	75	123	9,1	33	1661	0,41	4,5
10	.39	5	70	23,5	77	236	10,5	46	1734	0,43	5,2
12	.47	2	29	21,0	69	152	9,0	41	1385	0,34	6,7
12	.47	3	44	23,0	75	182	11,2	49	1661	0,41	6,7
12	.47	4	56	25,5	84	211	13,0	57	2042	0,50	6,4
12	.47	5	70	26,5	87	236	14,2	63	2205	0,54	5,2
14	.55	2	29	22,0	72	195	12,0	53	1520	0,38	8,4
14	.55	3	44	23,5	77	239	14,1	64	1734	0,43	8,4
14	.55	4	56	27,0	89	277	16,5	74	2289	0,57	7,4
14	.55	5	70	28,0	92	309	18,8	83	2462	0,61	7,7

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CASELLA HY-TURB XS 63/300



FEATURES:

- Heavy duty design
- Hot dip galvanised chassis
- Travel shut-off mechanism
- Highly efficient turbine
- 4-speed Italian made gear box: By adjusting the most efficient turbine rotation and speed, you can save energy.
- Manual speed control
- 270° Manual Rotation of Upper Frame
- Hydraulic lifting of the sprinkler trolley
- Trolley with 3 rubber wheels
- Flexible Hose Ø63 for Water Inlet
- Tyres : 10.0 / 80-12
- Joint for PTO drive shaft
- Comes with Ducar Jet 50 Sprinkler Head
- Excellent Water Uniformity
- Long Life & Simple Maintenance : The units are built from long life components and require a minimum of maintenance. Spare parts and backup service available.
- Made in Italy

- **Hose Length: 300 m**
- **Hose Diameter: 63 mm**
- **Hose Thickness: 5.2 mm**
- **Working Pressure: 60 - 90 psi**
- **Water Flow: 200 - 400 l/min**
- **Effective Spray Width (Diameter): 60 - 70 m**
- **Total Irrigated Area: 330 X 420 m = 138,600 m² (13.8 Hectare) in 7 days**
- **Sprinkler: DuCaR Jet 50**
- **Weight: 1440 kg**
- **Mechanism: 4-speed Gear Box directly integrated to turbine**
- **Rewind Speed: Manual Valve**

APPLICATIONS:

- Agriculture: Small to medium crops, pastures, and dairy farms
- Turf Irrigation: Golf, race/horse courses, playing/sports fields and gardens
- Dust Control: Mining and construction sites

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CASELLA HY-TURB XS 63/300



Nozzle Diameter		Pressure		Jet Length		Capacity			Values for a single sprinkler		
mm	inch	atm	psi	m	feet	l/min	m ³ /h	G.P.M	Irrigated Area	Rainfall per hour	
14	0.55	3	44	29	95	246,7	14,8	65	2640	0,65	5,6
14	0.55	4	56	32	105	286,7	17,2	76	3215	0,79	5,3
14	0.55	5	70	34	112	315	18,9	83	3629	0,90	5,2
16	0.62	3	44	30	98	308,3	18,5	81	2826	0,70	6,5
16	0.62	4	56	34	112	358,3	21,5	95	3629	0,90	5,9
16	0.62	5	70	35	115	391,7	23,5	103	3846	0,95	6,1
18	0,70	3	44	32	105	390	23,4	103	3215	0,79	7,3
18	0.70	4	56	35	115	445	26,7	118	3846	0,95	6,9
18	0.70	5	70	38	125	498,3	29,9	132	4534	1,12	6,6
18	0.70	6	85	41	134	553,3	33,2	146	5278	1,30	6,3
20	0.78	3	44	35	115	463,3	27,8	122	3846	0,95	7,2
20	0.78	4	56	38	125	548,3	32,9	145	4534	1,12	7,3
20	0.78	5	70	42	138	616,7	37	163	5538	1,37	6,7
22	0.86	4	56	40	131	680	40,8	180	5024	1,24	8,1
22	0.86	5	70	44	144	753,3	45,2	199	6079	1,50	7,4
22	0.86	6	85	47	154	818,3	49,1	216	6936	1,71	7,1
24	0.94	5	70	46	151	886,7	53,2	234	6644	1,64	8,0
24	0.94	6	85	48	157	958,3	57,5	253	7234	1,79	7,9
24	0.94	7	100	50	164	1020	61,2	269	7850	1,94	7,8



Casella Turbine



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CASELLA HY-TURB S 90/300



FEATURES:

- Heavy duty design
- Hot dip galvanised chassis
- Travel shut-off mechanism
- Highly efficient turbine
- 4-speed Italian made gear box: By adjusting the most efficient turbine rotation and speed, you can save energy.
- Sensitive speed control
- Solar energy powered computer for adjusting the rewinding speed
- 270° Manual Rotation of Upper Frame
- Hydraulic lifting of the sprinkler trolley
- Trolley with 3 rubber wheels
- Flexible Hose for Water Inlet
- Tyres : 10.0 / 80-12 Joint for PTO drive shaft
- Excellent Water Uniformity
- Long Life & Simple Maintenance : The units are built from long life components and require a minimum of maintenance. Spare parts and backup service available.
- Made in Italy
- **Hose Length: 300 m**
- **Hose Diameter: 90 mm**
- **Hose Thickness: 6.4 mm**
- **Working Pressure: 70 - 100 psi**
- **Water Flow: 400 - 900 l/min**
- **Effective Spray Width (Diameter): 70 - 80 m**
- **Total Irrigated Area: 340 X 560 m = 190,400 m² (19 Hectare) in 7 days**
- **Sprinkler: DuCaR JET 50**
- **Mechanism: 4-Speed Gear Box directly integrated to turbine**
- **Rewind Speed Control: Solar-Powered Hydro Computer 160**

APPLICATIONS:

- Agriculture: Small to medium crops, pastures and dairy farms, small to large acreages
- Turf Irrigation: Golf, race courses, playing fields and gardens
- Dust Control: Mining and construction sites

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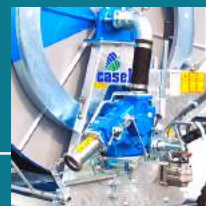
CASELLA HY-TURB S 90/300



CASELLA Turbine

► This type of machines picks the power necessary to the hose recovery by exploiting the flow of water through a turbine

The gear box is directly connected with turbine and ring gear with ultimate technology in order to provide minimum pressure loss and enhanced performance for the hose reel. ◀



Casella Hydro Control 160

Hose re-winding control 5 to 250 m/h.

► During irrigation the back-lit display shows: irrigator recovery speed in m/h, remaining length to be rewound, remaining time to the end of irrigation.

Solar energy powered rewinding speed control panel.



► Hydraulic pump and lifting system for trolley

DuCaR Jet 50 sprinkler ◀



Nozzle Diameter		Pressure		Jet Length		Capacity			Values for a single sprinkler		
mm	inch	atm	psi	m	feet	l/min	m ³ /h	G.P.M	Irrigated Area	Rainfall per hour	
									m ²	acre	mm/h
14	0.55	3	44	29	95	246,7	14,8	65	2640	0,65	5,6
14	0.55	4	56	32	105	286,7	17,2	76	3215	0,79	5,3
14	0.55	5	70	34	112	315	18,9	83	3629	0,90	5,2
16	0.62	3	44	30	98	308,3	18,5	81	2826	0,70	6,5
16	0.62	4	56	34	112	358,3	21,5	95	3629	0,90	5,9
16	0.62	5	70	35	115	391,7	23,5	103	3846	0,95	6,1
18	0.70	3	44	32	105	390	23,4	103	3215	0,79	7,3
18	0.70	4	56	35	115	445	26,7	118	3846	0,95	6,9
18	0.70	5	70	38	125	498,3	29,9	132	4534	1,12	6,6
18	0.70	6	85	41	134	553,3	33,2	146	5278	1,30	6,3
20	0.78	3	44	35	115	463,3	27,8	122	3846	0,95	7,2
20	0.78	4	56	38	125	548,3	32,9	145	4534	1,12	7,3
20	0.78	5	70	42	138	616,7	37	163	5538	1,37	6,7
22	0.86	4	56	40	131	680	40,8	180	5024	1,24	8,1
22	0.86	5	70	44	144	753,3	45,2	199	6079	1,50	7,4
22	0.86	6	85	47	154	818,3	49,1	216	6936	1,71	7,1
24	0.94	5	70	46	151	886,7	53,2	234	6644	1,64	8,0
24	0.94	6	85	48	157	958,3	57,5	253	7234	1,79	7,9
24	0.94	7	100	50	164	1020	61,2	269	7850	1,94	7,8

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CASELLA HY-TURB M 110/400



FEATURES:

- Heavy duty design
- Hot dip galvanised chassis
- Travel shut-off mechanism
- High efficient turbine 4-speed Italian made gear box: By adjusting the most efficient turbine rotation and speed, you can save energy.
- Sensitive speed control
- Solar energy powered computer for adjusting the rewinding speed
- Hydraulic rotation of upper frame (360°) with tractor connection
- Hydraulic lift for sprinkler trolley
- Trolley with 3 Rubber Wheels
- Flexible hose Ø80 for water inlet
- Double (two sides) water inlets
- Tyres : 10.0 / 80-12
- Mechanical front brackets
- Joint for PTO drive shaft
- Excellent Water Uniformity
- Very low labour requirement
- Made in Italy

- **Hose Length: 400 m**
- **Hose Diameter: 110 mm**
- **Hose Thickness: 8.96 mm**
- **Working Pressure: 70 - 100 psi**
- **Water Flow: 650 - 1250 l/min**
- **Effective Spray Width (Diameter): 90 - 100 m**
- **Total Irrigated Area: 450 X 700 m = 315,000 m² (31 Hectare) in 7 days**
- **Sprinkler: DuCaR Green 150**
- **Weight: 3800 kg**
- **Mechanism: 4-Speed Gear Box directly integrated to turbine**
- **Rewind Speed Control: Solar-Powered Hydro Computer 160 or 260**

APPLICATIONS:

- Agriculture: Medium crops, pastures and dairy farms
- Turf Irrigation: Golf, race courses, playing fields and gardens
- Dust Control: Mining and construction sites

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CASELLA HY-TURB M 110/400



The Casella Turbine:

- This type of machines picks the power necessary to the hose recovery by exploiting the flow of water through a turbine

Hydraulic pump and lifting system for trolley



- The gear box is directly connected with turbine and ring gear with ultimate technology in order to provide minimum pressure loss and enhanced performance for the hose reel.

Largest diameters on all major connection pipes to save energy.



Casella Hydro Control 160

Hose re-winding control 5 to 250 m/h. During irrigation the back-lit display shows: irrigator recovery speed in m/h, remaining length to be rewound, remaining time to the end of irrigation.

Solar energy powered rewinding speed control panel

Technical Specifications

Nozzle Diameter		Pressure		Jet Length		Capacity			Values for a single sprinkler		
									Irrigated Area	Rainfall per hour	
mm	inch	atm	psi	m	feet	l/min	m ³ /h	G.P.M	m ²	acre	mm/h
20	0,78	3	44	34	112	463,3	28	122	3846	0,95	7,2
20	0,78	4	56	38	125	548,33	33	145	4534	1,12	7,3
20	0,78	5	70	42	138	616,7	37	163	5538	1,37	6,7
22	0,86	3	44	37	121	566,7	34	150	4534	1,12	7,5
22	0,86	4	56	40	131	680,0	41	180	5024	1,24	8,1
22	0,86	5	70	44	144	753,3	45	199	6079	1,50	7,4
22	0,86	6	85	47	154	818,3	49	216	6936	1,71	7,1
24	0,94	4	44	43	141	730	43,74	193	5806	1,43	7,5
24	0,94	5	56	49	161	815	48,90	215	7539	1,86	6,5
24	0,94	6	70	52	171	893	53,58	236	8491	2,10	6,3
26	1,02	4	56	49	161	856	51,36	226	7539	1,86	6,8
26	1,02	5	70	50	164	957	57,42	253	7850	1,94	7,3
26	1,02	6	85	54	177	1048	62,88	277	9156	2,26	6,9
28	1,1	4	56	51	167	992	59,52	262	8167	2,02	7,3
28	1,1	5	70	55	180	1109	66,54	293	9499	2,35	7,0
28	1,1	6	85	58	190	1215	72,9	321	10563	2,61	6,9
30	1,18	5	70	56	184	1222	73,32	323	9847	2,43	7,4
30	1,18	6	85	62	203	1393	83,58	368	12070	2,98	6,9
30	1,18	7	100	64	210	1505	90,3	398	12861	3,18	7,0
32	1,25	5	85	62	203	1449	86,94	383	12070	2,98	7,2
32	1,25	6	100	64	210	1587	95,22	419	12861	3,18	7,4
32	1,25	7	100	66	216	1814	108,84	479	13678	3,38	8,0



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CASELLA LL 125/500



FEATURES:

- Heavy duty design
- Hot dip galvanised trolley
- Travel shut-off mechanism
- High efficient turbine Italian made hydraulic gear box
- Sensitive speed control
- Hatz 7 HP Diesel single cylinder engine with electric ignition for hose recovery
- Super cheap to run! It comes with 30 litres petrol tank and fuel consumption of the little diesel engine is 0.5 - 0.8 l/hour.
- Diesel engine powered computer Hydro-Control 260 with Start/Stop, Speed Control, Pause at the beginning/end of the run functionalities
- Hydraulic pump
- Hydraulic rotation of upper frame (360°)
- Hydraulic control of left, right wheels (individually) and front lifter to the ground
- Hydraulic lift for sprinkler trolley
- Trolley with 2 Iron Wheels
- 4 m Flexible hose for water inlet
- Tyres : 13.0 / 65-18
- Automatic Greasing System
- Sensor to stop engine in case of no water flow
- Discharge valve kit (Butterfly valve)
- Hydraulic rear stabilizers.
- Hydraulic power drawbar
- Special design differentiated thickness polyethylene hose
- Excellent Water Uniformity
- Long Life & Simple Maintenance
- Easy and safe operation
- Very low labour requirement
- Made in Italy
- **Hose Length: 500 m**
- **Hose Diameter: 125 mm**
- **Hose Thickness: 11 mm**
- **Working Pressure: 100 - 225 psi**
- **Water Flow: 800 - 1500 l/min**
- **Effective Spray Width (Diameter): 100 - 120 m**
- **Total Irrigated Area: 555 X 770 m = 427,350 m² (42 Hectare) in 7 days**
- **Sprinkler: DuCaR JET 200**
- **Weight: 4700 kg**
- **Driven by: 7 HP Hatz Diesel Single Cylinder Engine with electric ignition**
- **Fuel Consumption: 0.5 - 0.8 l/hour**
- **Mechanism: Hydraulic Gear Box**
- **Rewind Speed & Length Control: Hydro Computer 260**

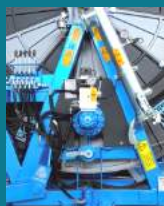
APPLICATIONS:

Agriculture: Large crops, pastures and dairy farms

www.irrigationbox.com.au



CASELLA LL 125/500



→ Hydraulic installation

BUILT-IN HYDRAULIC SYSTEM



→ ideal system for effective energy saving



Sensor for hose recovery speed measurement



→ Casella Hydro Control 260

Technical Specifications for DuCaR JET 200 Sprinkler Head

Nozzle Diameter		Pressure		Jet Length		Capacity			Values for a single sprinkler		
mm	inch	atm	psi	m	feet	l/min	m ³ /h	G.P.M.	m ²	acre	mm/h
25	1	3	44	41	134	720	43.2	190	5278	1.30	8.2
25	1	4	56	44	144	805	48.3	213	6079	1.50	7.9
25	1	5	70	48	157	917	55	242	7235	1.79	7.6
28	1.10	4	56	50	164	1050	63	277	7850	1.94	8.0
28	1.10	5	70	52	171	1200	72	317	8491	2.10	8.5
28	1.10	6	85	56	184	1300	78	343	9847	2.43	7.9
30	1.18	4	56	51	167	1220	73.2	322	8167	2.02	9.0
30	1.18	5	70	56	184	1383	83	365	9847	2.43	8.4
30	1.18	6	85	57	187	1488	89.3	393	10202	2.52	8.8
32	1.25	4	56	52	171	1383	83	365	8491	2.10	9.8
32	1.25	5	70	56	184	1550	93	409	9847	2.43	9.4
32	1.25	6	85	60	197	1733	104	458	11304	2.79	9.2
32	1.25	7	100	64	210	1850	111	489	12861	3.18	8.6
34	1.33	5	70	58	190	1750	105	462	10563	2.61	9.9
34	1.33	6	85	62	203	1950	117	515	12070	2.98	9.7
34	1.33	7	100	66	216	2033	122	537	13678	3.38	8.9
36	1.42	6	85	65	213	2117	127	559	13267	3.28	9.6
36	1.42	7	100	68	223	2253	135	595	14519	3.59	9.3
36	1.41	8	114	71	233	2435	146	643	15829	3.91	9.2
38	1.5	6	85	67	220	2317	139	612	14095	3.48	9.9
38	1.5	7	100	70	230	2483	149	656	15386	3.80	9.7
38	1.5	8	114	72	236	2683	161	709	16278	4.02	9.9
40	1.57	6	85	68	223	2600	156	687	14519	3.59	10.7
40	1.57	7	100	73	239	2700	162	713	16733	4.13	9.7
40	1.57	8	114	76	249	2950	177	779	18137	4.48	9.8
42	1.65	6	85	70	230	2800	168	740	15386	3.80	10.9
42	1.65	7	100	75	246	3000	180	793	17663	4.36	10.2
42	1.65	8	114	79	259	3150	189	832	19597	4.84	9.6
42	1.65	9	114	84	276	3350	201	885	22156	5.47	9.1

Discharge Valve



Water inlet

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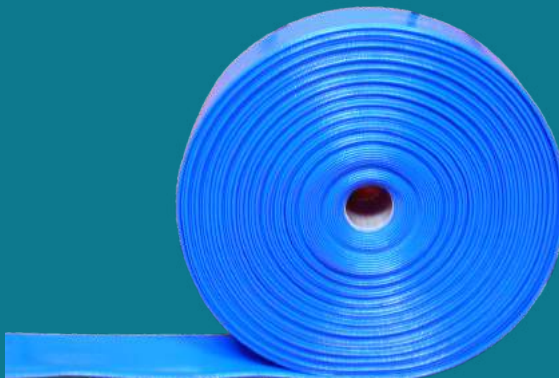


LAY FLAT HOSES

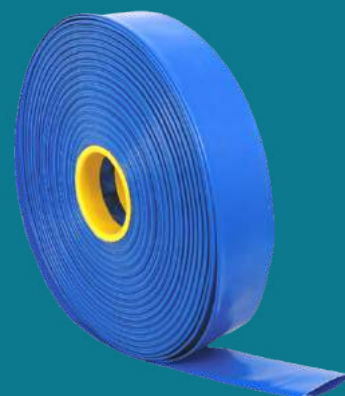
STANDARD DUTY LAY FLAT HOSES



SunnyFlo Blue PVC
Low Pressure Lay Flat Hoses



Hi-Flo Layflat Hose Blue



Sunny Blue Layflat Hose



SunnyFlo Red PVC
Mid Pressure Lay Flat Hoses



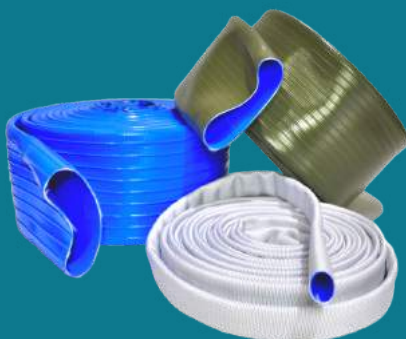
Hi-Flo Layflat Hose Red



Sunny Red PVC Layflat Hose



Flexiline Premium Quality
Mid Pressure Layflat Hose



Lancer High Pressure
Potable Water Layflat Hose



PM Group PVC
Low to Mid Pressure Layflat Hose



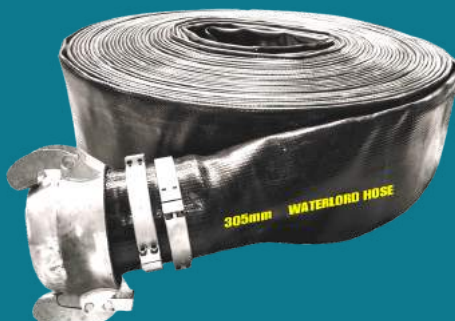


LAY FLAT HOSES

HEAVY DUTY LAY FLAT HOSES



Flexidrag Premium
High Pressure Layflat Hose



Waterlord Mine Dewatering
High Pressure Layflat Hose



Aqualine Potable Water
Bypass Layflat Hose



Flexibore Layflat Bore Hoses



Powaflex P.U. Layflat
Mine Pit Dewatering Hose



Powaflex Super P.U. Super Heavy Duty
Layflat Mine Dewatering Hose



Powaflex Polyurethane
Irrigation Hose



Travelex Premium Quality
Irrigation Hose



Pumpman Rubber
Layflat Discharge Hose



LAY FLAT HOSES

FIRE HOSES



Excalibur



Sabre

Centurion



Inside Diameter Range : 1" (25 mm) – 4" (102 mm)
Weight per Meter : 0.17 – 0.52 kg
Working Pressure Range : 210–315 psi (14–21 Bar)



Cavalier



Rapier

Inside Diameter Range : 1" (25 mm) – 4" (102 mm)
Weight per Meter : 0.23 – 0.9 kg
Working Pressure Range : 150–315 psi (10–21 Bar)



Fire Hose Black



HOSES

GARDEN HOSES

Our best quality garden hose with outstanding UV resistance for extreme Australian conditions.



SUCTION HOSES

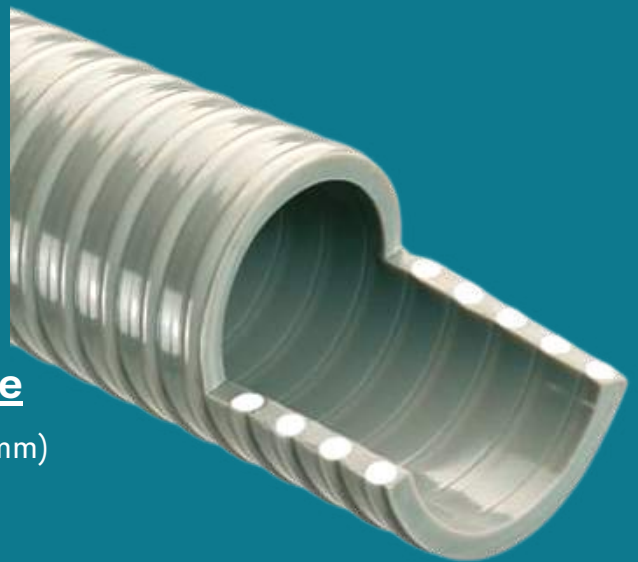


Powaflex Grey PVC Suction Hose

Inside Diameter Range : 1" (25 mm) – 10" (152 mm)

Bending Radius (mm) : 125 – 810mm

Working Pressure Range : 50–90 psi

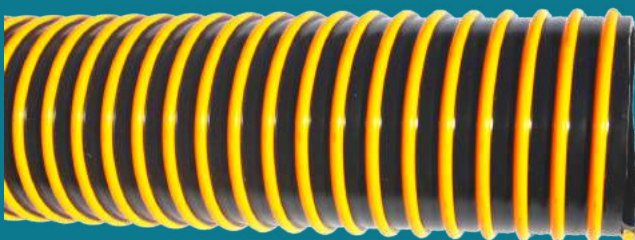


Powaflex Vacman PVC Suction Hose

Inside Diameter Range : 1 1/2" (38 mm) – 8" (203 mm)

Bending Radius (mm) : 150 – 480mm

Working Pressure Range : 45 psi





LAY FLAT HOSE REELS

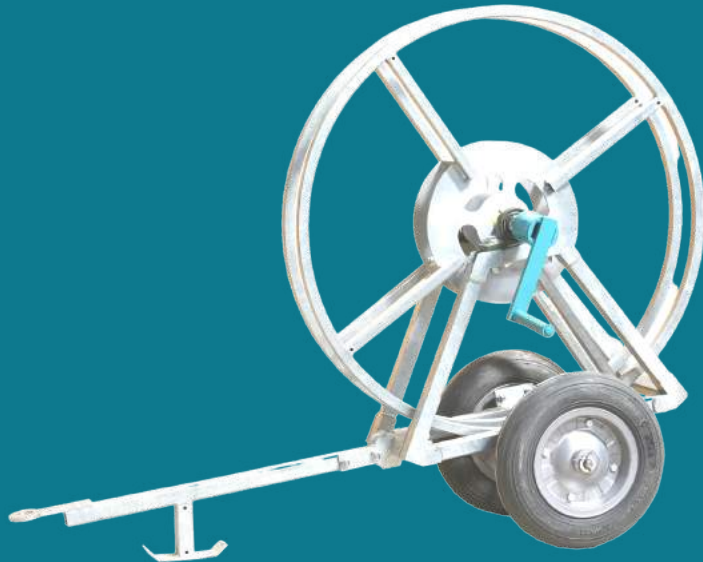
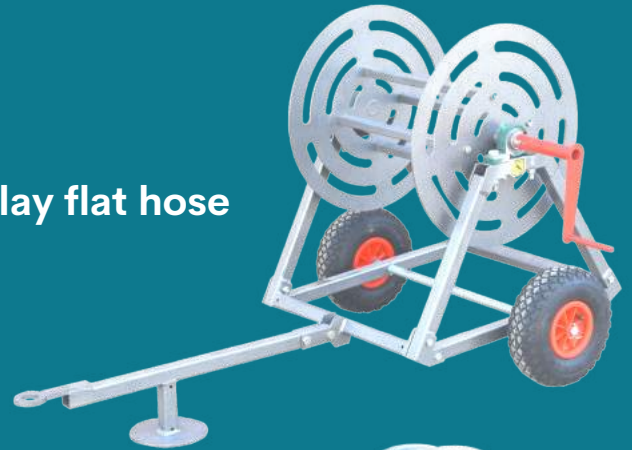
DUCAR HEAVY DUTY MANUAL LAY FLAT HOSE REELS

Heavy duty, portable, easy to use manual hose reels.

Mechanism : Manual

Reel Capacity : Up to 60m of 1" or 1.5" lay flat hose

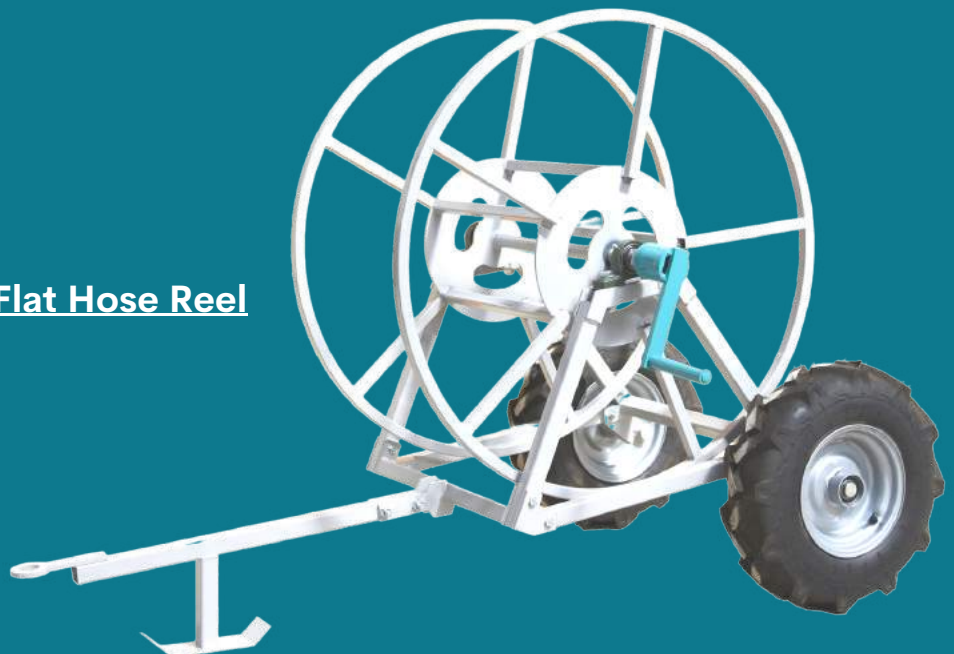
Reel Diameter : 450mm



Up to 75m of
1.5" Lay Flat Hose Reel



Up to 100m of 2" Lay Flat Hose Reel

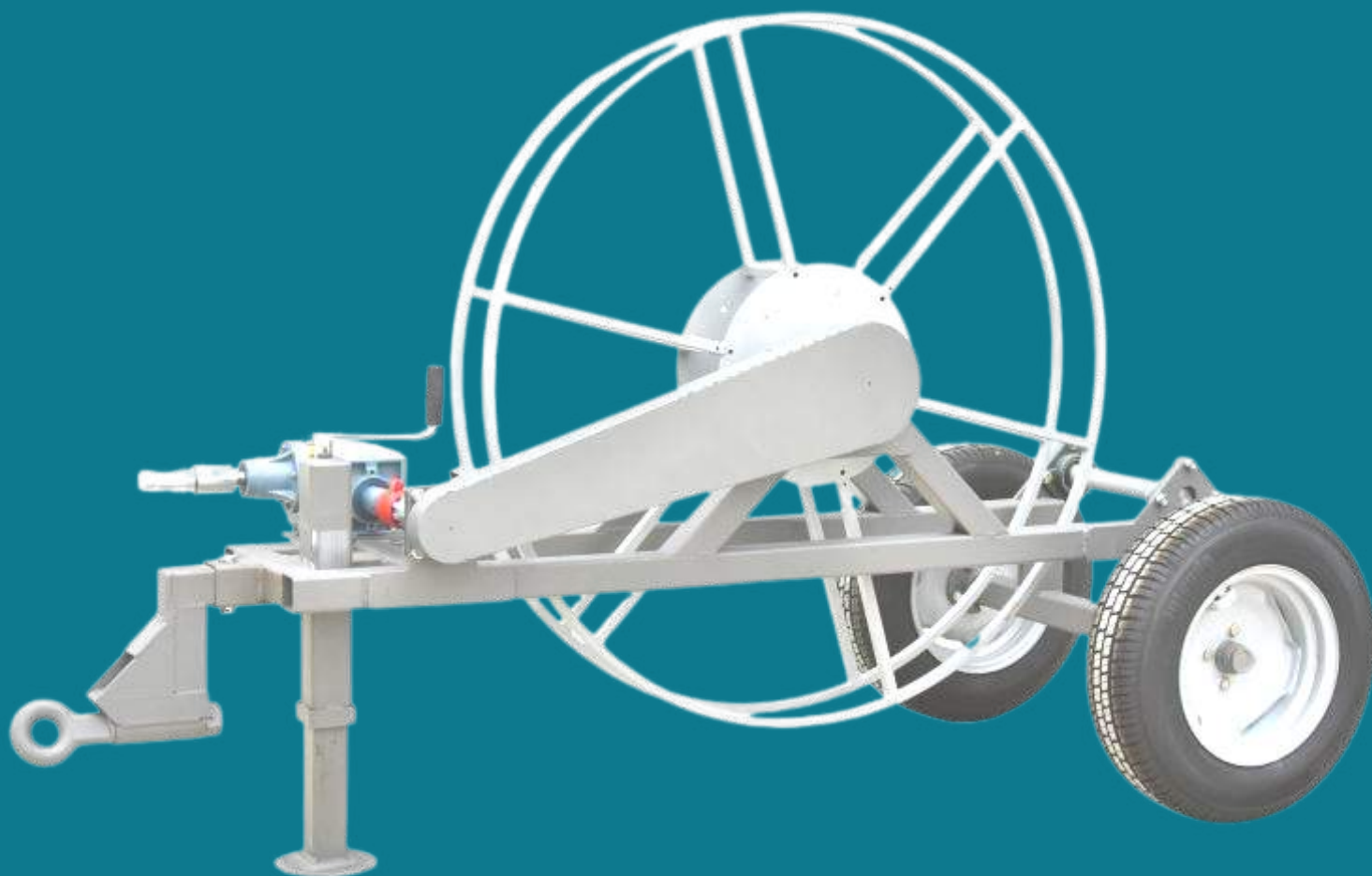


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LAY FLAT HOSE REELS

DUCAR PTO DRIVEN LAY FLAT HOSE ROLLER



**Portable, easy to use tractor PTO driven hose reel.
For large & heavy duty lay flat hoses!**

Drive Type : Tractor PTO

Reel Capacity : Up to 4" lay flat hose (21 cm)

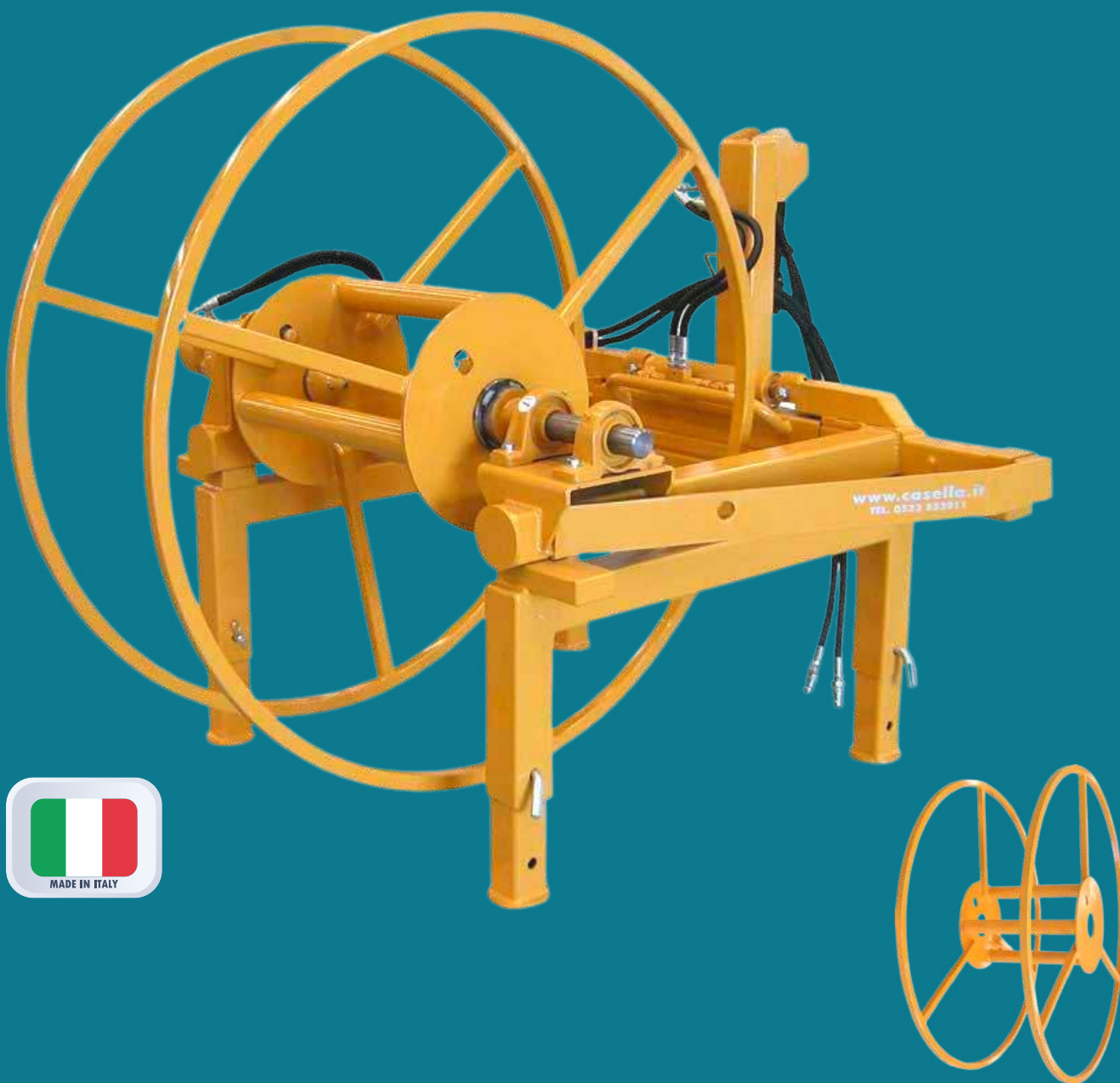
Reel Diameter : 180 cm

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LAY FLAT HOSE REELS

CASELLA HYDRAULIC LAY FLAT HOSE REEL



Power Supply : Connected to a tractor via three points linkage.

Reel Capacity : Max 200m, 5" hose per reel

Reel Diameter : 129 cm

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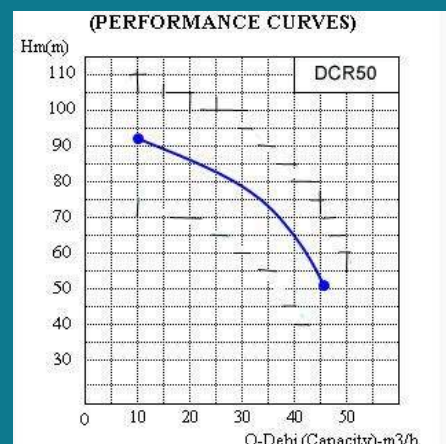


PTO DRIVEN PUMPS

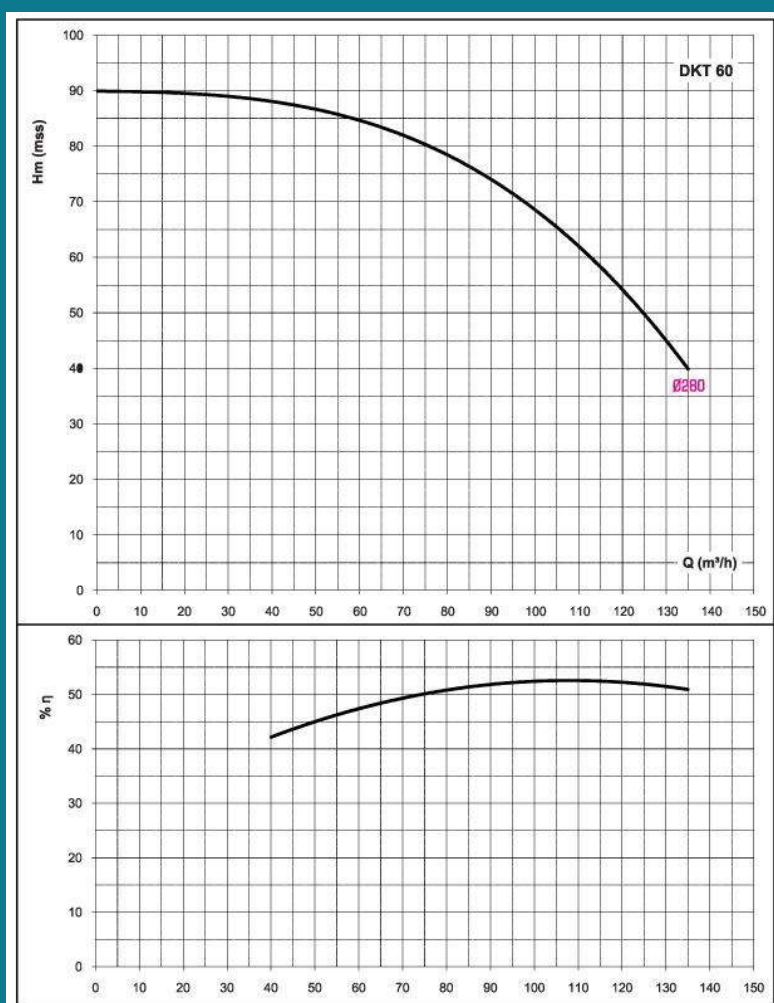
DUCAR DKT 50 PTO PUMP



Capacity : 10-45 m³/h
 Head : 50-90 m
 Working Temperature : -10 ° C - + 140 ° C
 Minimum Tractor Power : 35 HP
 PTO RPM X Gear Ratio : 545 x 6.43
 Inlet : 50 mm (2")
 Outlet : 63 mm (2.5")
 FREE PARTS : Inlet/Outlet Flange Fittings
 3 Point Linkage Carry Frame
 PTO Drive Shaft



DUCAR DKT 80 PTO PUMP



Capacity : 20-135 m³/h
 Head : 40-89 m
 Working Temperature : -10 ° C - + 140 ° C
 Minimum Tractor Power : 40 HP (30 kW)
 PTO RPM X Gear Ratio : 545 x 6.43
 Inlet : 100 mm (4")
 Outlet : 100 mm (4")
 FREE PARTS : Inlet/Outlet Flange Fittings
 3 Point Linkage Carry Frame
 PTO Drive Shaft



PTO DRIVEN PUMPS

DUCAR DKT 125 PTO PUMP



Capacity : 40-195 m³/h

Head : 40-82 m

Working Temperature : -10 ° C - + 140 ° C

Minimum Tractor Power : 50 HP (37 kW)

PTO RPM X Gear Ratio : 545 x 6.43

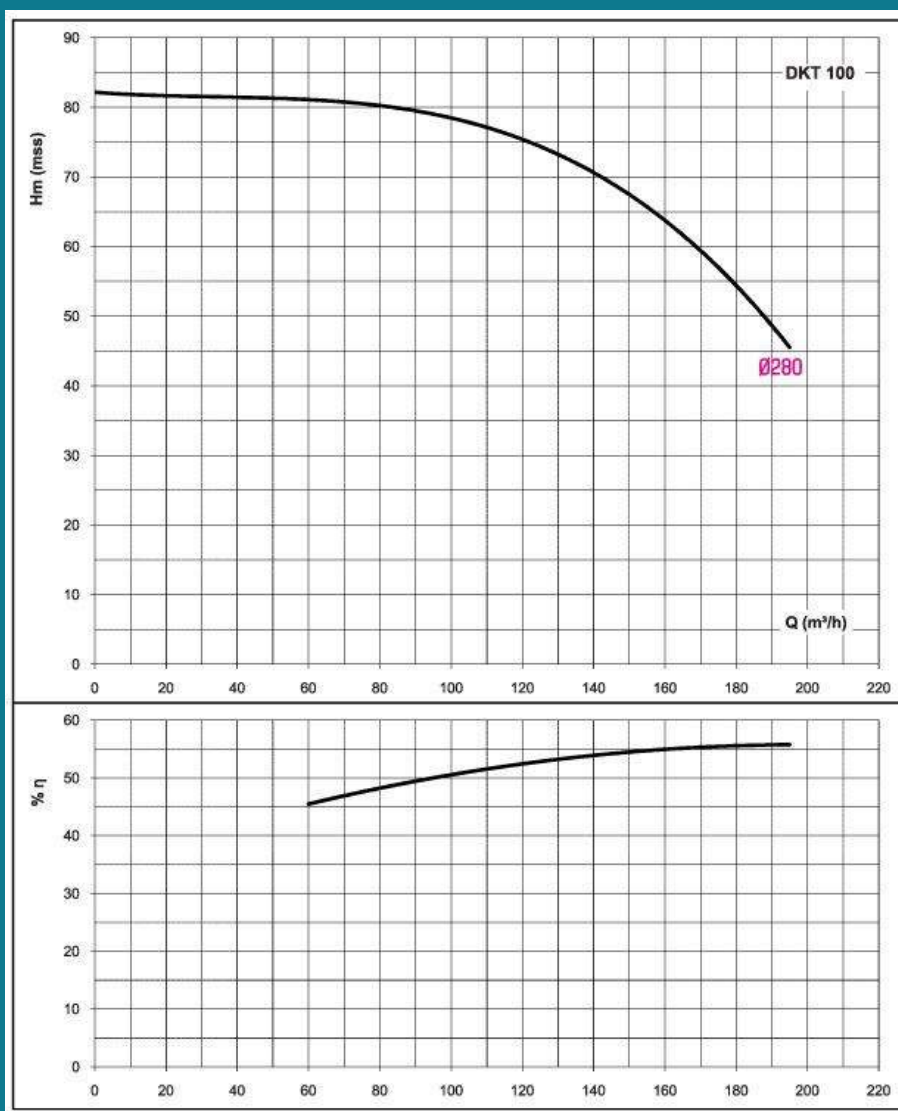
Inlet : 125 mm (5")

Outlet : 125 mm (5")

FREE PARTS : Inlet/Outlet Flange Fittings

3 Point Linkage Carry Frame

PTO Drive Shaft





PTO DRIVEN PUMPS

ROVATTI T3-100AE PTO PUMP SET



Capacity : 75 - 180 m³/h

Head : 57-78 m

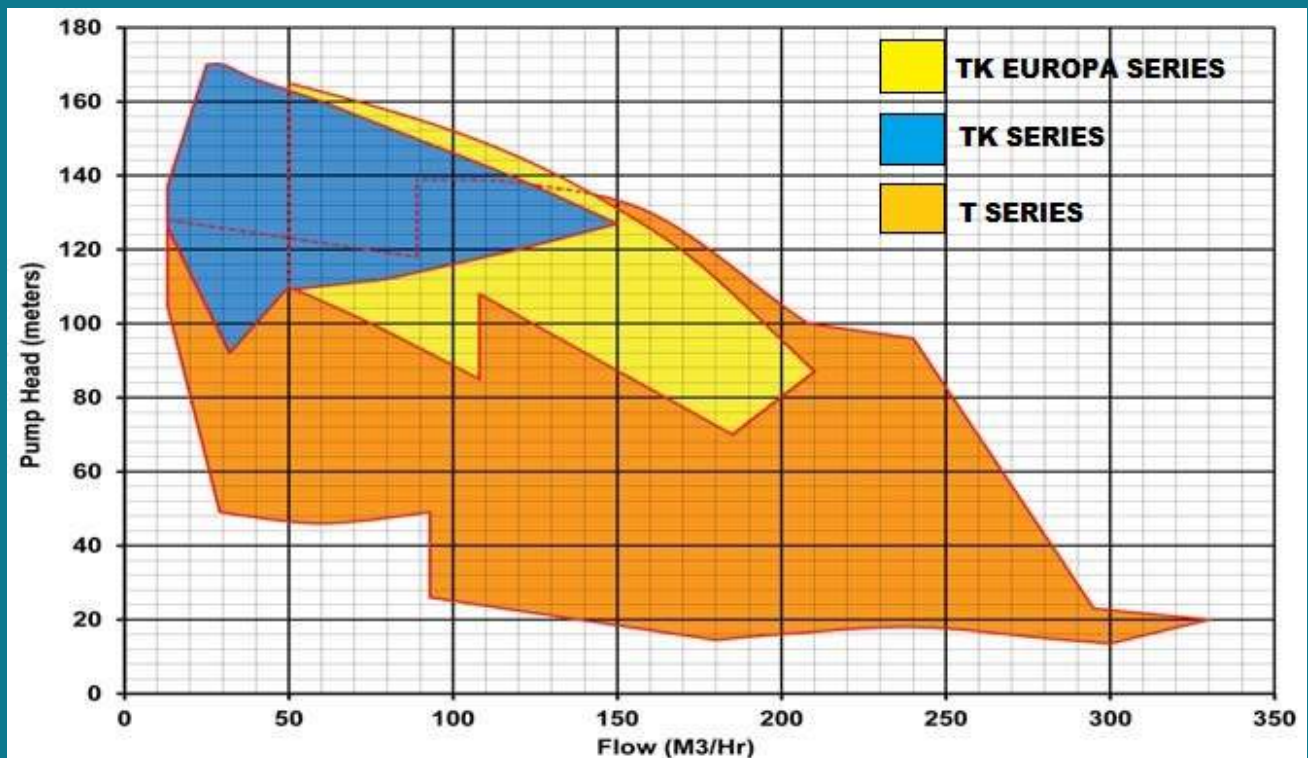
Working Temperature : -10 ° C - + 140 ° C

Minimum Tractor Power : 70 HP

PTO RPM X Gear Ratio : 500 x 6.38

Inlet : 100 mm (4")

Outlet : 100 mm (4")





ELECTRIC PUMPS

DOMESTIC AND RESIDENTIAL PUMPS



CALPEDA NGXM SELF PRIMING DOMESTIC PUMP



CALPEDA MXAM SELF PRIMING MULTISTAGE PUMP



CALPEDA PECO NGXM SELF PRIMING JET PUMP

CALPEDA MXHM HORIZONTAL MULTISTAGE PRESSURE PUMP



Bromic Tankboy 40L



Bromic Waterboy 40L/60L/80L



Bromic Waterboy 116L
Multistage Pump

SUBMERSIBLE PUMPS



CALPEDA GXRM SUBMERSIBLE
DRAINAGE PUMP



CALPEDA GXV SUBMERSIBLE
DRAINAGE PUMP WITH VORTEX
IMPELLER



CALPEDA GORM SUBMERSIBLE
DRAINAGE & SEWAGE PUMP



FILTRATION

PLASTIC FILTERS



Mini Plastic Disc Filter/
Mini Plastic Screen Filter



AutoFlush Automatic
Plastic Disc Filter



PSD Manual Super
Plastic Disc Filter

PSE Manual Super Plastic
Screen Filter



Double Plastic Disc Filter



Double Plastic Screen Filter



Plastic Hydrocyclone Filter



Complete AutoFlush Automatic
Plastic Disc Filter System



FILTRATION

METAL FILTERS



Hydrocyclone Sand Separator

Body Material : ST37-2 (DIN 17100)
Operating Pressure : 0.3-8 bar
Working Temperature : -10° C to 80° C
Connection : Flanged ISO 7005-2 or ANSI
Threaded BSPT-NPT or Grooved End
Made in : Turkey



Self Cleaning Suction Filter

AUTOMATIC SELF-CLEANING FILTERS



Vertical



Horizontal

Body Material : St-37 – AISI 316L
Screen Material : AISI 304L – CAGEPRGF
Maximum Working Pressure : 8 bar
Minimum Output Pressure : 2.5 bar
Maximum Working Temperature : 60°C
Back Wash Time : Timing and Pressure Setup
Control System : Electric or Hydraulic Control
The Filtration Sensitivity : 100, 130, 200 micron
Paint Material : Epoxy polyester
Made in : Turkey



FILTRATION

FERTILIZER TANKS



100 Litres

Glass Fiber Reinforced Plastic Fertilizer Tank

OPERATING PRINCIPLE

Aytok P1100 series fertilizing tank is connected parallel to main pipe of irrigation system using elastic hoses via by-pass method. Irrigation water enters into the tank containing soluble chemical from the inlet hose of fertilizer tank connected to the line. Due to pressure gradient created using a valve or pressure reducer assembled on the irrigation line, chemical fertilizer is solved and it is blended within the tank. Solved chemical fertilizer is supplied to the root region of the plant using irrigation water.

Body Material : Polyamide - Nylon 6 - 30% Glass Fiber Reinforced

Operating Pressure : 6 bar (88 psi)

Working Temperature : -10° C to 60° C



Venturi Fertilizer Injectors



100 Litres
200 Litres
300 Litres
400 Litres

Horizontal Fertilizer Tank



60 Litres
100 Litres
200 Litres

Vertical Fertilizer Tank

APPLICATIONS

- Chemical fertilization applications by pressure agricultural irrigation systems
- Pesticide administration by pressure agricultural irrigation systems

FEATURES

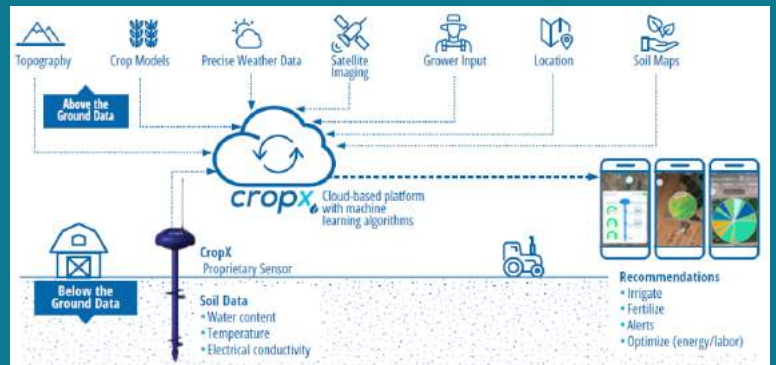
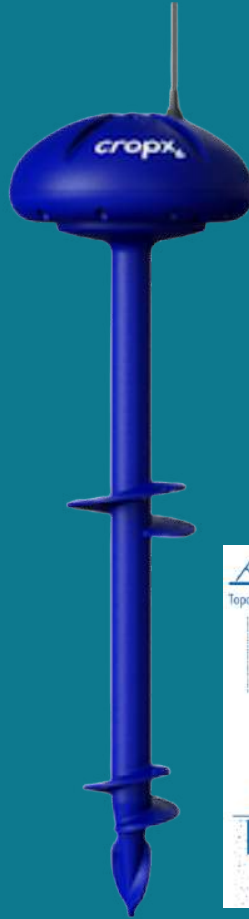
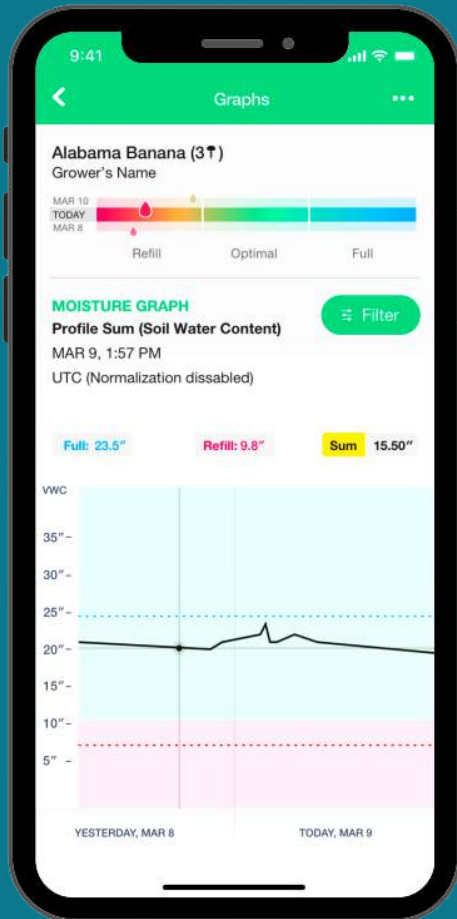
- It provides ease of use and of maintenance due to simple structure.
- Pre-painting phosphorization is performed for maximum resistance against corrosion and chemical solution.
- It has long economic life based on Epoxy – Polyester coating.
- It operates based on line pressure of the system.



SOIL SENSOR

Soil Moisture Sensor: Innovation For Precision Farming and Irrigation Management

A soil moisture sensor is a device that measures current soil moisture. Sensors integrated into the irrigation system aid in scheduling water supply and distribution much more efficiently

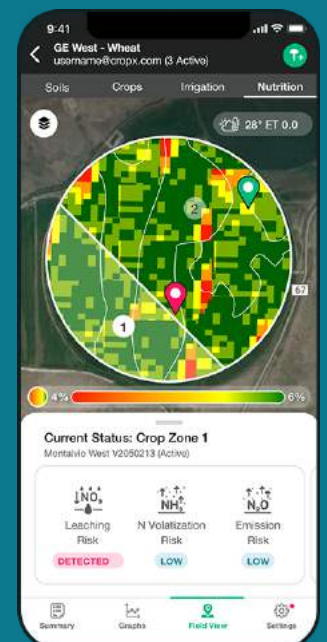
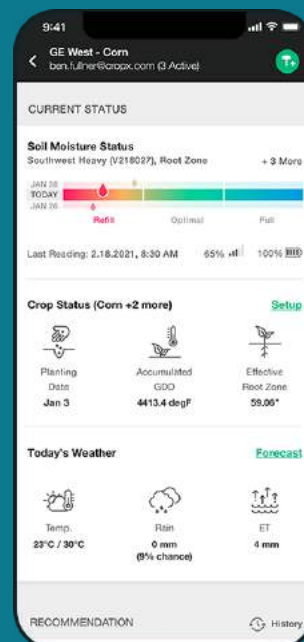


THE SOFTWARE

- Intuitive and easy to navigate.
- Combines multiple data inputs from sensors, soil structure, crop models, weather stations and satellite images
- Machine learning and Big Data to analyze all the data and translate into accurate irrigation recommendations!
- Crucial information – ET, Accumulated GDD, Root zone moisture, EC (Nutrient management), NDVI, flexible irrigation prescriptions (m3, mm and minutes).

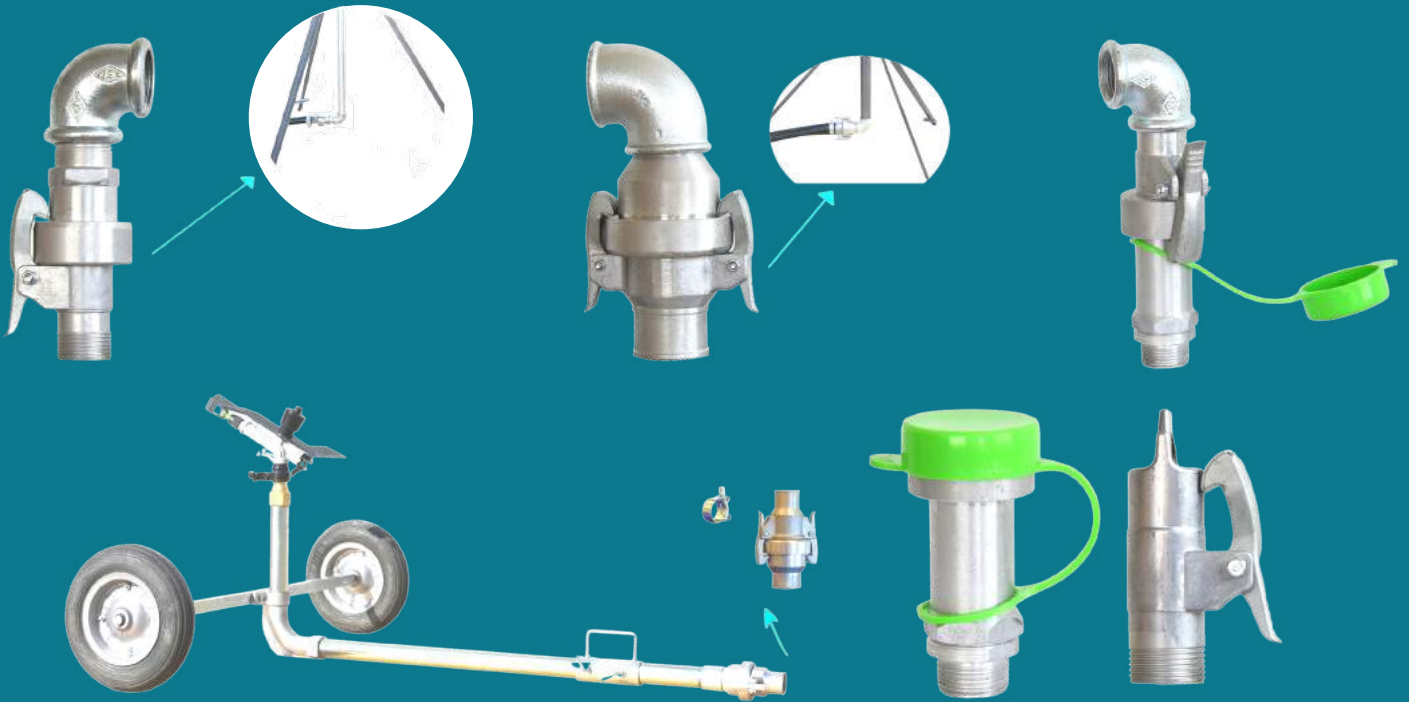
AUTOMATED SET POINTS DETECTION!

"CropX-based irrigation produced 15%- 25% more yield compared to manual irrigation".
- Beck's Hybrids study





QUICK COUPLINGS



PVC Pipe Coupling Sets



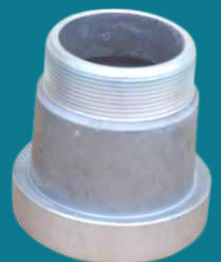
2" Female
BSP Thread



1.5"/2" Male
BSP Thread



2.5: Quick-connect Fittings





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