

SPRAYING CONTROL EQUIPMENT (HORT AND VIT APPLICATIONS)

Orchard, Vineyard, Horticultural Spraying Control Equipment

Manual Section Valve Selector with incorporated Pressure Regulator

Product Code	Operating pressure	Flow/Capacity	Weight Kg
12401	50Bar	150 lt/min	3.1 Aluminium
75301	50Bar	150 lt/min	4.2 Brass



Pictured: 12401

Manual Pressure Regulator



Pictured: 93095

Product Code	Operating pressure	Flow/Capacity	Weight Kg
93095	50Bar	180 lt/min	2.1 Brass and Stainless Steel

Electric Control Boxes
2 section sprayers

Product Code	Voltage	No of Sections	Comments
TBA	12V	2	Includes master off and pressure adjustment
91573	12V	2	Sprayer Loom
73718	12V	2	Electric Spray Manifold Kit
91701	NA	NA	Optional Pressure Gauge

Pictured: TBA



Pictured: 91573



Pictured: 73718



Pictured: 91701

Sensors (Speed and Pressure)

Product Code	Sensor Type	Pressure	Comments
91992	Speed	NA	Inductive Speed Sensor (used in Bravo range)
91578	Pressure	50	Pressure Sensor (used in Bravo range)
91579	Pressure	20	Pressure Sensor (used in Bravo range)



Pictured: 91992



Pictured: 91578



Pictured: 91579



VINEYARD BOOM

Product Code 93168

Spraying boom complete with 8 x ceramic nozzle 1.5 jets. Each nozzle is adjustable with scope to alter orientation and direction. Ideal for vineyard and small orchard operations

Replacement Nozzle Product Code 01584

Adjustment of the spray angle is achieved by turning the wingnut. The ball joint allows positioning of the jet for accurate targeting on the canopy.



ROLL OVER AIRBLAST NOZZLES



Product Code 11144

Compact rollover nozzle that allows the operator to select spray tips with two shut off positions. The non-drip assembly stops fluid from flowing out of the nozzle when the pump is turned off. Max operating pressure is 40 bar / 580 psi. Material: brass - stainless steel - Buna N - PVC. Use: on air blast sprayers.



Product Code 11142

As per 11144 with the exception of no non-drip assembly. Max operating pressure is 40 bar / 580 psi. Material: brass - stainless steel - Buna N - PVC. Use: on air blast sprayers.

HCC80 HOLLOWCONE NOZZLES

Utilizzo Use Utilización	<p>Herbicides Suitable for</p>	<p>Fungicides Suitable for</p>	<p>Insecticides Suitable for</p>	<p>Dimensioni (mm) Size (mm) Dimensiones (mm)</p>
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HCC80. The 80-degree range of hollow cone nozzles with ceramic insert and Delrin body make for a perfect spray application perfect for trees and bushes without requiring the use of air. It is also suitable for airblast sprayers and can be used with herbicides, fungicides and pesticides.

Product Code	q (l/min)																	
	3 bar	4 bar	5 bar	6 bar	7 bar	8 bar	9 bar	10 bar	11 bar	12 bar	13 bar	14 bar	15 bar	16 bar	17 bar	18 bar	19 bar	20 bar
85801	0.20	0.23	0.26	0.28	0.31	0.33	0.35	0.37	0.38	0.40	0.42	0.43	0.45	0.46	0.48	0.49	0.50	0.52
85802	0.30	0.35	0.39	0.42	0.46	0.49	0.52	0.55	0.57	0.60	0.62	0.65	0.67	0.69	0.71	0.73	0.75	0.77
85803	0.40	0.46	0.52	0.57	0.61	0.65	0.69	0.73	0.77	0.80	0.83	0.86	0.89	0.92	0.95	0.98	1.01	1.03
85804	0.60	0.69	0.77	0.85	0.92	0.98	1.04	1.10	1.15	1.20	1.25	1.30	1.34	1.39	1.43	1.47	1.51	1.55
85805	0.80	0.92	1.03	1.13	1.22	1.31	1.39	1.46	1.53	1.60	1.67	1.73	1.79	1.85	1.90	1.96	2.01	2.07
85806	1.00	1.15	1.29	1.41	1.53	1.63	1.73	1.83	1.91	2.00	2.08	2.16	2.24	2.31	2.38	2.45	2.52	2.58
85807	1.20	1.39	1.55	1.70	1.83	1.96	2.08	2.19	2.30	2.40	2.50	2.59	2.68	2.77	2.86	2.94	3.02	3.10
85808	1.40	1.62	1.81	1.98	2.14	2.29	2.42	2.56	2.68	2.80	2.91	3.02	3.13	3.23	3.33	3.43	3.52	3.61
85809	1.60	1.85	2.07	2.26	2.44	2.61	2.77	2.92	3.06	3.20	3.33	3.46	3.58	3.70	3.81	3.92	4.03	4.13
85810	2.00	2.31	2.58	2.83	3.06	3.27	3.46	3.65	3.83	4.00	4.16	4.32	4.47	4.62	4.76	4.90	5.03	5.16

HCI60 HOLLOWCONE NOZZLES

Utilizzo Use Utilización	Herbicides Suitable for	Fungicides Suitable for	Insecticides Suitable for	Dimensioni (mm) Size (mm) Dimensiones (mm)

HCI60. The HCI60 range of hollowcone nozzles is made from a ceramic insert and acetal resin body. Suitable for orchard spraying and perfect for trees and bushes without the use of air. Suitable for herbicides, fungicides and pesticides.



Product Code	q (l/min)																	
	3 bar	4 bar	5 bar	6 bar	7 bar	8 bar	9 bar	10 bar	11 bar	12 bar	13 bar	14 bar	15 bar	16 bar	17 bar	18 bar	19 bar	20 bar
85811	0.19	0.22	0.25	0.27	0.29	0.31	0.33	0.35	0.36	0.38	0.40	0.41	0.42	0.44	0.45	0.47	0.48	0.49
85812	0.30	0.35	0.39	0.42	0.46	0.49	0.52	0.55	0.57	0.60	0.62	0.65	0.67	0.69	0.71	0.73	0.75	0.77
85813	0.40	0.46	0.52	0.57	0.61	0.65	0.69	0.73	0.77	0.80	0.83	0.86	0.89	0.92	0.95	0.98	1.01	1.03
85814	0.60	0.69	0.77	0.85	0.92	0.98	1.04	1.10	1.15	1.20	1.25	1.30	1.34	1.39	1.43	1.47	1.51	1.55
85815	0.80	0.92	1.03	1.13	1.22	1.31	1.39	1.46	1.53	1.60	1.67	1.73	1.79	1.85	1.90	1.96	2.01	2.07
85816	1.00	1.15	1.29	1.41	1.53	1.63	1.73	1.83	1.91	2.00	2.08	2.16	2.24	2.31	2.38	2.45	2.52	2.58
85817	1.20	1.39	1.55	1.70	1.83	1.96	2.08	2.19	2.30	2.40	2.50	2.59	2.68	2.77	2.86	2.94	3.02	3.10
85818	1.40	1.62	1.81	1.98	2.14	2.29	2.42	2.56	2.68	2.80	2.91	3.02	3.13	3.23	3.33	3.43	3.52	3.61
85819	1.60	1.85	2.07	2.26	2.44	2.61	2.77	2.92	3.06	3.20	3.33	3.46	3.58	3.70	3.81	3.92	4.03	4.13
85820	2.00	2.31	2.58	2.83	3.06	3.27	3.46	3.65	3.83	4.00	4.16	4.32	4.47	4.62	4.76	4.90	5.03	5.16

HCI80 HOLLOWCONE NOZZLES

Utilizzo Use Utilización	Herbicides Suitable for	Fungicides Suitable for	Insecticides Suitable for	Dimensioni (mm) Size (mm) Dimensiones (mm)

The HCI80 hollowcone nozzle is manufactured with ceramic insert and Acetal resin body. It allows for spray small drops and ensure excellent coverage. Suitable for orchard spraying with or without requiring the use of air.



Product Code	q (l/min)																	
	3 bar	4 bar	5 bar	6 bar	7 bar	8 bar	9 bar	10 bar	11 bar	12 bar	13 bar	14 bar	15 bar	16 bar	17 bar	18 bar	19 bar	20 bar
85821	0.20	0.23	0.26	0.28	0.31	0.33	0.35	0.37	0.38	0.40	0.42	0.43	0.45	0.46	0.48	0.49	0.50	0.52
85822	0.30	0.35	0.39	0.42	0.46	0.49	0.52	0.55	0.57	0.60	0.62	0.65	0.67	0.69	0.71	0.73	0.75	0.77
80810	0.40	0.46	0.52	0.57	0.61	0.65	0.69	0.73	0.77	0.80	0.83	0.86	0.89	0.92	0.95	0.98	1.01	1.03
80811	0.60	0.69	0.77	0.85	0.92	0.98	1.04	1.10	1.15	1.20	1.25	1.30	1.34	1.39	1.43	1.47	1.51	1.55
80812	0.80	0.92	1.03	1.13	1.22	1.31	1.39	1.46	1.53	1.60	1.67	1.73	1.79	1.85	1.90	1.96	2.01	2.07
80813	1.00	1.15	1.29	1.41	1.53	1.63	1.73	1.83	1.91	2.00	2.08	2.16	2.24	2.31	2.38	2.45	2.52	2.58
85827	1.20	1.39	1.55	1.70	1.83	1.96	2.08	2.19	2.30	2.40	2.50	2.59	2.68	2.77	2.86	2.94	3.02	3.10
85828	1.40	1.62	1.81	1.98	2.14	2.29	2.42	2.56	2.68	2.80	2.91	3.02	3.13	3.23	3.33	3.43	3.52	3.61
85829	1.60	1.85	2.07	2.26	2.44	2.61	2.77	2.92	3.06	3.20	3.33	3.46	3.58	3.70	3.81	3.92	4.03	4.13
85830	2.00	2.31	2.58	2.83	3.06	3.27	3.46	3.65	3.83	4.00	4.16	4.32	4.47	4.62	4.76	4.90	5.03	5.16

HCC and HCI Nozzle Cap for Bayonet Nozzle Bodies

Product Code 08234S

Retrofit HCC and HCI nozzles to your standard bayonet nozzle bodies with the use of this hollowcone nozzle cap



SPRAYING EQUIPMENT (ROW CROP AND BROADACRE APPLICATIONS)

3 Section Sprayer controllers



Pictured: 85757

Product Code	Voltage	No of Sections	Comments
85757	12V	3	Includes master off and pressure adjustment
85590	12V	3	Sprayer Loom (3 section includes master and reg valve)
85762	12V	NA	Main drain and reg manifold
85759	12V	3	3 section Manifold
85873	NA	NA	Pressure Gauge Dual Scale 0-5/25 bar



Pictured: 85590



Pictured: 85762



Pictured: 85759



Pictured: 85873

See other additional accessories below

5 Section Sprayer controllers



Pictured: 85758

Product Code	Voltage	No of Sections	Comments
85758	12V	5	Includes master off and pressure adjustment
85593	12V	5	Sprayer Loom (5 section includes master and reg valve)
85762	12V	NA	Main drain and reg manifold
85760	12V	5	5 section Manifold
85873	NA	NA	Pressure Gauge Dual Scale 0-5/25 bar



Pictured: 85593



Pictured: 85762



Pictured: 85760



Pictured: 85873

See other additional accessories below

Additional Accessories



Pictured: 85591

Product Code	Comments
85591	1" Male threaded adapter
85592	Fork pin connector



Pictured: 85592

Spray Controller Components

Product Code	Description
91622	Proportional control manifold unit for 2 section sprayer which includes Wolf flowmeter 150L/min
91624	Proportional control manifold unit for 4 section sprayer which includes Wolf flowmeter 150L/min
E000031288	Flowmeter wolf 2.5-50 l/min suit 463 valve
E000032915	Flowmeter wolf 5-100l/min suit 463 valves
E000035108	Flowmeter wolf 10-200 l/min suit 463 valve
E000035131	Electric Boom Section Valve (no bypass)
E000034468	Electric Boom Section Valve (with bypass)
E000031548	Regulating Valve 100L/min 863 series (14 second)
E000031278	Electric main control valve with adjustable pressure relief valve
91992	Inductive Speed Sensor (used in Bravo range)
91578	Pressure Sensor (used in Bravo range)
91579	Pressure Sensor (used in Bravo range)
98248	Sprayer Loom Bravo 180-300s 5 sect 6mtr
E000039572	Sprayer Loom Bravo 180-300s 5 sect 12mtr
98246	Sprayer Loom Bravo 180s 2 sect 4mtr
98247	Sprayer Loom Bravo 180-300s 4 sect multi 4mtr
98252	Bravo Power Cable
E000039574	Bravo Extension Cable 3mtr 3-5 sect
98218	ATLAS GPS mounted as an alternative to the wheel sensor for use on Bravo 350 and 180s



Pictured: 91624

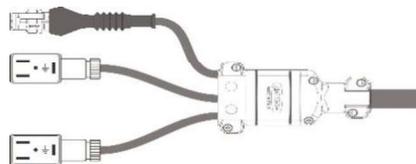


Pictured: E000035131 Pictured: E000034468 Pictured: E000031548



Pictured: 91992

Pictured: E000032915



Pictured: E000031278

NOZZLES BODIES (WET LINE)

Product Code 88953

Hinged clamp type nozzle holder with anti-drip diaphragm check valve and bayonet style quick coupling (cap not included). Suitable for 1/2" spray lines with 7mm barb. 20Bar max

Product Code E000022760

Hinged clamp type nozzle holder with anti-drip diaphragm check valve and bayonet style quick coupling (cap not included). Suitable for 3/4" spray lines with 10mm barb. 20Bar max



NOZZLE BODIES (DRY LINE)

Product Code E000039579

Single 1/2" barbed hoesetail nozzle holder body with anti-drip and bayonet style quick coupling (cap not included). Suitable for 1/2" hose spray line. 20Bar max

Product Code E000039580

Single 3/4" barbed hoesetail nozzle holder body with anti-drip and bayonet style quick coupling (cap not included). Suitable for 3/4" hose spray line. 20Bar max





Product Code E000039577

Double 1/2" barbed hosetail nozzle holder body with anti-drip and bayonet style quick coupling (cap not included). Suitable for 1/2" hose spray line. 20Bar max

Product Code E000039578

Double 3/4" barbed hosetail nozzle holder body with anti-drip and bayonet style quick coupling (cap not included). Suitable for 3/4" hose spray line. 20Bar max

Product Code E000039590

Double 1/2" barbed hosetail nozzle holder body with anti-drip diaphragm on top and bayonet style quick coupling (cap not included). Suitable for 1/2" hose spray line. 20Bar max



TRIPLE ROLLOVER NOZZLE HOLDER BODIES (WET LINE)

Product Code 73657

Hinged clamp type nozzle holder with anti-drip diaphragm check valve and bayonet style quick coupling x 3 (caps not included). Suitable for 1/2" spray lines with 7mm barb. 20Bar max



Product Code 73658

Hinged clamp type nozzle holder with anti-drip diaphragm check valve and bayonet style quick coupling x 3 (caps not included). Suitable for 1/2" spray lines with 10mm barb. 20Bar max

Compact Jet

Product Code 91637

Hinged clamp type nozzle holder with anti-drip diaphragm check valve and bayonet style quick coupling x 3 (caps not included). Suitable for 1/2" spray lines with 10mm barb. 20Bar max

Product Code E000039589

Hinged clamp type nozzle holder with anti-drip diaphragm check valve and bayonet style quick coupling x 3 (caps not included). Suitable for 3/4" spray lines with 10mm barb. 20Bar max



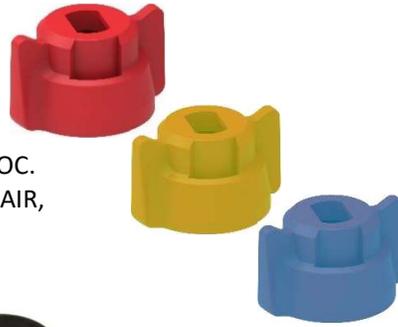
QUINTET ROLLOVER NOZZLE HOLDER (WET LINE)

Product Code E000034267

Hinged clamp type nozzle holder with anti-drip diaphragm check valve and bayonet style quick coupling x 5 (caps not included). Suitable for 1" spray lines with 17mm barb. 20Bar max.

Nozzles Caps

Product Code 08231 (red), 08235 (yellow), 08239 (blue)
 Nozzle Caps suitable for Arag ASJ – SF, SFA, WR, WRC, LD, LDC, EF, TLT, AFC, CFA, CFA-U and OC.
 Albuz – API, ADI, AXI80, AXI110, OCI, CVI 110.
 Lechler – IDK, IDKN, IDKT, LU, AD, AD90, ST, IDKS, ES and OC.
 Hypro - POM110, DRIFT BETA 120°, POM 80°, GUARDIAN AIR, LOFTDRIFT 110, ULD120, DEFLECTIP, AIRMIX 110
 Teejet - XR 01 – 08, DG, TTJ, AIXR, TT and OC



Nozzle Cap Gaskets

Product Code: 08244S

Made from EPDM

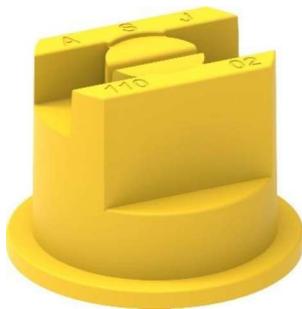


NOZZLES (STANDARD TIP, STANDARD FLAT FAN SPRAY)

Product Code	Description
85846	STD TIP TIP POLYMER 01 (ORANGE)
73527	STD TIP TIP POLYMER 015 (GREEN)
00013	STD TIP TIP POLYMER 02 (YELLOW)
73528	STD TIP TIP POLYMER 025 (VIOLET)
00066	STD TIP TIP POLYMER 03 (BLUE)
00069	STD TIP TIP POLYMER 04 (RED)
00080	STD TIP TIP POLYMER 05 (BROWN)
73529	STD TIP TIP POLYMER 06 (GREY)
00088	STD TIP TIP POLYMER 08 (WHITE)
73530	STD TIP TIP POLYMER 10 (LIGHT BLUE)
91657	STD TIP TIP POLYMER 15 (LIGHT GREEN)

Spraying angle of 110° and a working pressure of 1.5 bar - 7 bar.
 ISO 10625 Compliant. Made from a Delrin polymer ensuring high chemical compatibility and long life.
 Applications: Suitable for use with herbicides, fungicides and pesticides.

Quick-fitting cap item: 08231, 08235 and 08239



COD. 110° CODE 110° COD. 110°	bar	drop 110° litres	l/ha (nozzle spacing: 50 cm)										
			4 km/h	6 km/h	8 km/h	10 km/h	12 km/h	14 km/h	16 km/h	18 km/h	20 km/h	25 km/h	
85846	1.5	F	0.28	85	57	42	34	28	24	21	19	17	14
	3	VF	0.40	120	80	60	48	40	34	30	27	24	19
	5	VF	0.52	155	103	77	62	52	44	39	34	31	25
	7	VF	0.61	183	122	92	73	61	52	46	41	37	29
73527	1.5	F	0.42	127	85	64	51	42	36	32	28	25	20
	3	VF	0.60	180	120	90	72	60	51	45	40	36	29
	5	VF	0.77	232	155	116	93	77	66	58	52	46	37
	7	VF	0.92	275	183	137	110	92	79	69	61	55	44
00013	1.5	F	0.57	170	113	85	68	57	48	42	38	34	27
	3	F	0.80	240	160	120	96	80	69	60	53	48	38
	5	VF	1.03	310	207	155	124	103	89	77	69	62	50
	7	VF	1.22	367	244	183	147	122	105	92	81	73	59
73528	1.5	F	0.71	212	141	106	85	71	61	53	47	42	34
	3	F	1.00	300	200	150	120	100	86	75	67	60	48
	5	VF	1.29	387	258	194	155	129	111	97	86	77	62
	7	VF	1.53	458	306	229	183	153	131	115	102	92	73
00066	1.5	M	0.85	255	170	127	102	85	73	64	57	51	41
	3	F	1.20	360	240	180	144	120	103	90	80	72	58
	5	F	1.55	465	310	232	186	155	133	116	103	93	74
	7	VF	1.83	550	367	275	220	183	157	137	122	110	88
00069	1.5	M	1.13	339	226	170	136	113	97	85	75	68	54
	3	F	1.60	480	320	240	192	160	137	120	107	96	77
	5	F	2.07	620	413	310	248	207	177	155	138	124	99
	7	F	2.44	733	489	367	293	244	209	183	163	147	117
00080	1.5	C	1.41	424	283	212	170	141	121	106	94	85	68
	3	M	2.00	600	400	300	240	200	171	150	133	120	96
	5	M	2.58	775	516	387	310	258	221	194	172	155	124
	7	M	3.06	917	611	458	367	306	262	229	204	183	147
73529	1.5	C	1.70	509	339	255	204	170	145	127	113	102	81
	3	C	2.40	720	480	360	288	240	206	180	160	144	115
	5	C	3.10	930	620	465	372	310	266	232	207	186	149
	7	C	3.67	1100	733	550	440	367	314	275	244	220	176
00088	1.5	C	2.28	679	453	339	272	228	194	170	151	136	109
	3	C	3.20	960	640	480	384	320	274	240	213	192	154
	5	C	4.13	1239	826	620	496	413	354	310	275	248	196
	7	C	4.89	1466	978	733	587	489	419	367	326	293	235
73530	1.5	C	2.83	849	566	424	339	283	242	212	189	170	136
	3	C	4.00	1200	800	600	480	400	343	300	267	240	192
	5	C	5.16	1549	1033	775	620	516	443	387	344	310	248
	7	C	6.11	1833	1222	917	733	611	524	458	407	367	293

NOZZLES (EXTENDED RANGE, FLAT FAN SPRAY)

Product Code	Description
85859	EXTENDED RANGE TIP TIP POLYMER 015 (GREEN)
85860	EXTENDED RANGE TIP TIP POLYMER 02 (YELLOW)
85861	EXTENDED RANGE TIP TIP POLYMER 025 (VIOLET)
85862	EXTENDED RANGE TIP TIP POLYMER 03 (BLUE)
85863	EXTENDED RANGE TIP TIP POLYMER 04 (RED)
85864	EXTENDED RANGE TIP TIP POLYMER 05 (BROWN)
85865	EXTENDED RANGE TIP TIP POLYMER 06 (GREY)

Smooth coverage with a more uniform droplet size over a wide operating pressure range (1 – 7bar). Made from moulded acetal resin, a polymer ensuring high chemical stability and an exceptionally long useful life. Suitable for herbicides, fungicides and pesticides. Quick-fitting cap item: 08231, 08235 and 08239



Product Code	bar	drop	l/min	l/ha (nozzle spacing: 50 cm)									
				4 km/h	6 km/h	8 km/h	10 km/h	12 km/h	14 km/h	16 km/h	18 km/h	20 km/h	25 km/h
85859	1	F	0.35	104	69	52	42	35	30	26	23	21	17
	2	F	0.49	147	98	73	59	49	42	37	33	29	24
	3	F	0.60	180	120	90	72	60	51	45	40	36	29
	5	F	0.77	232	155	116	93	77	66	58	52	46	37
	7	VF	0.92	275	183	137	110	92	79	69	61	55	44
85860	1	M	0.46	139	92	69	55	46	40	35	31	28	22
	2	F	0.65	196	131	98	78	65	56	49	44	39	31
	3	F	0.80	240	160	120	96	80	69	60	53	48	38
	5	F	1.03	310	207	155	124	103	89	77	69	62	50
	7	F	1.22	367	244	183	147	122	105	92	81	73	59
85861	1	M	0.58	173	115	87	69	58	49	43	38	35	28
	2	F	0.82	245	163	122	98	82	70	61	54	49	39
	3	F	1.00	300	200	150	120	100	86	75	67	60	48
	5	F	1.29	387	258	194	155	129	111	97	86	77	62
	7	F	1.53	458	306	229	183	153	131	115	102	92	73
85862	1	M	0.69	208	139	104	83	69	59	52	46	42	33
	2	M	0.98	294	196	147	118	98	84	73	65	59	47
	3	F	1.20	360	240	180	144	120	103	90	80	72	58
	5	F	1.55	465	310	232	186	155	133	116	103	93	74
	7	F	1.83	550	367	275	220	183	157	137	122	110	88
85863	1	M	0.92	277	185	139	111	92	79	69	62	55	44
	2	M	1.31	392	261	196	157	131	112	98	87	78	63
	3	M	1.60	480	320	240	192	160	137	120	107	96	77
	5	M	2.07	620	413	310	248	207	177	155	138	124	99
	7	M	2.44	733	489	367	293	244	209	183	163	147	117
85864	1	M	1.15	346	231	173	139	115	99	87	77	69	55
	2	M	1.63	490	327	245	196	163	140	122	109	98	78
	3	M	2.00	600	400	300	240	200	171	150	133	120	96
	5	M	2.58	775	516	387	310	258	221	194	172	155	124
	7	M	3.06	917	611	458	367	306	262	229	204	183	147
85865	1	C	1.39	416	277	208	166	139	119	104	92	83	67
	2	M	1.96	588	392	294	235	196	168	147	131	118	94
	3	M	2.40	720	480	360	288	240	206	180	160	144	115
	5	M	3.10	930	620	465	372	310	266	232	207	186	149
	7	M	3.67	1.100	733	550	440	367	314	275	244	220	176

DROP SIZE RATING		
VF	Very fine	< 136µm
F	Fine	136µm ÷ 177µm
M	Medium	177µm ÷ 218µm
C	Coarse	218µm ÷ 349µm
VC	Very coarse	349µm ÷ 428µm

µm= thousandth of millimeter (E.g.: 250µm = 0.25 mm)

NOZZLES (AIR INDUCED NOZZLES, FLAT FAN SPRAY)

Product Code	Description
73366	AIR INDUCED XR NOZZLE 015 (GREEN)
73367	AIR INDUCED XR NOZZLE 02 (YELLOW)
73368	AIR INDUCED XR NOZZLE 025 (VIOLET)
73369	AIR INDUCED XR NOZZLE 03 (BLUE)
73370	AIR INDUCED XR NOZZLE 04 (RED)
73371	AIR INDUCED XR NOZZLE 05 (BROWN)

Air induced nozzles allows for a courser droplet filled with small air particles. These air-filled droplets do not bounce off crop surface. Made of moulded Delrin with a spraying angle 110°. Coloured coded in compliance with ISO10625 Applications: Suitable for all fungicides, pesticides and herbicides. Quick-fitting cap item: 08231 - 08235 – 08239



Product Code	bar	drop	l/min	l/ha (nozzle spacing: 50cm)									
				4 km/h	6 km/h	8 km/h	10 km/h	12 km/h	14 km/h	16 km/h	18 km/h	20 km/h	25 km/h
73366	1.5	VC	0.42	127	85	64	51	42	36	32	28	25	20
	3	C	0.60	180	120	90	72	60	51	45	40	36	29
	5	C	0.77	232	155	116	93	77	66	58	52	46	37
	7	C	0.92	275	183	137	110	92	79	69	61	55	44
73367	8	M	0.98	294	196	147	118	98	84	73	65	59	47
	1.5	XC	0.57	170	113	85	68	57	48	42	38	34	27
	3	C	0.80	240	160	120	96	80	69	60	53	48	38
	5	C	1.03	310	207	155	124	103	89	77	69	62	50
73368	7	C	1.22	367	244	183	147	122	105	92	81	73	59
	8	C	1.31	392	261	196	157	131	112	98	87	78	63
	1.5	XC	0.71	212	141	106	85	71	61	53	47	42	34
	3	VC	1.00	300	200	150	120	100	86	75	67	60	48
73369	5	C	1.29	387	258	194	155	129	111	97	86	77	62
	7	C	1.53	458	306	229	183	153	131	115	102	92	73
	8	C	1.63	490	327	245	196	163	140	122	109	98	78
	1.5	XC	0.85	255	170	127	102	85	73	64	57	51	41
73370	3	VC	1.20	360	240	180	144	120	103	90	80	72	58
	5	VC	1.55	465	310	232	186	155	133	116	103	93	74
	7	C	1.83	550	367	275	220	183	157	137	122	110	88
	8	C	1.96	588	392	294	235	196	168	147	131	118	94
73371	1.5	XC	1.13	339	226	170	136	113	97	85	75	68	54
	3	XC	1.60	480	320	240	192	160	137	120	107	96	77
	5	VC	2.07	620	413	310	248	207	177	155	138	124	99
	7	C	2.44	733	489	367	293	244	209	183	163	147	117
73371	8	C	2.61	784	523	392	314	261	224	196	174	157	125
	1.5	XC	1.41	424	283	212	170	141	121	106	94	85	68
	3	XC	2.00	600	400	300	240	200	171	150	133	120	96
	5	VC	2.58	775	516	387	310	258	221	194	172	155	124
73371	7	VC	3.06	917	611	458	367	306	262	229	204	183	147
	8	C	3.27	980	653	490	392	327	280	245	218	196	157

DROP SIZE RATING	
VF	Very fine < 136µm
F	Fine 136µm ÷ 177µm
M	Medium 177µm ÷ 218µm
C	Coarse 218µm ÷ 349µm
VC	Very coarse 349µm ÷ 428µm
XC	Extremely coarse 428µm ÷ 622µm
UC	Ultra coarse > 622µm

µm= thousandth of millimeter (E.g.: 250µm = 0.25 mm)

Universal Nozzle Caps



Product Code	Description
83853S	CAP Q.T. CELCON RED
E000039582	CAP Q.T. CELCON BLUE
98080	CAP QT CELCON YELLOW

Universal Caps can fit a wide range of nozzles that are commercially available.

Shut off Cap



The shut off blanking cap can be used to closed off unwanted nozzle bodies

Product Code	Description
08243S	SHUT OFF BLANKING CAP BLACK

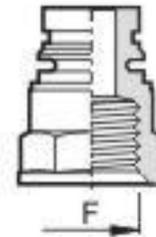
SPRAYING ACCESSORY PARTS

Electric Valve Tails

Product Code	Description
E000039567	463 SERIES HOSETAIL 10MM
E000039568	463 SERIES HOSETAIL 13MM
E000039569	463 SERIES HOSETAIL 16MM
E000038943	463 SERIES HOSETAIL 19MM
E000035160	463 SERIES HOSETAIL 25MM
E000015267	463 SERIES HOSETAIL 25MM
E000039570	463 SERIES HOSETAIL ADAPTOR 3/4 FEM



Pictured E000039570



Ball Valves

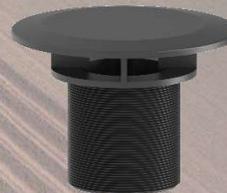
Product Code	Description
98272	BALL VALVE 3 WAY 1/2"
73682	BALL VALVE 3 WAY 3/4"
73683	BALL VALVE 3 WAY 1"
73684	BALL VALVE 3 WAY 1 1/4"
73685	BALL VALVE 3 WAY 1 1/2"
73686	BALL VALVE 3 WAY 2"



L- Port 3-way ball valves with standard handle and polypropylene ball.

Antivortex Fittings

Product Code	Description
E000022758	ANTIVORTEX FITTING 1 1/2"
E000034537	ANTIVORTEX FITTING 2"



Antivortex tank outlets

FILTER ELEMENTS

Product Code	Description
E000039558	ELEMENT FILTER 100MESH (312 series)
75436	ELEMENT FILTER 50MESH (312 series)
E000035143	ELEMENT FILTER 100MESH (314 series)
12057	ELEMENT FILTER 50MESH (314 series)
E000039560	ELEMENT FILTER 16MESH (316 series)
E000033836	ELEMENT FILTER 90MESH (316 series)
98065	ELEMENT FILTER 32MESH (317 series)
75438	ELEMENT FILTER 50MESH (317 series)
E000027583	ELEMENT FILTER 80MESH (317 series)
E000033411	ELEMENT FILTER 32MESH (323 series)
73706	ELEMENT FILTER 80 MESH (323 series)
E000031560	IRRIGATION ELEMENT FILTER 32MESH (335 series)
E000039042	IRRIGATION ELEMENT FILTER 50MESH (335 series)
E000031561	IRRIGATION ELEMENT FILTER 80MESH (335 series)

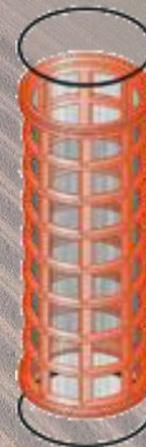


Illustration purposes only. O-rings not included

FILTER HOUSINGS

Product Code	Description
73699	312 SERIES SUCTION FILTER 1 1/4" SHORT THREAD 50MESH
92825	312 SERIES SUCTION FILTER 1 1/4" LONG THREAD 50 MESH
73695S	314 SERIES SUCTION FILTER 1 1/4" SHORT THREAD 50MESH WITH STOP VALVE
85754	314 SERIES SUCTION FILTER 1 1/4" LONG THREAD 50MESH WITH STOP VALVE
73690	316 SERIES SUCTION FILTER 2" SHORT THREAD 50MESH
E000031559	316 SERIES SUCTION FILTER 2" LONG THREAD 50MESH
73692S	316 SERIES SUCTION FILTER 2" SHORT THREAD 50MESH WITH STOP VALVE
91630	316 SERIES SUCTION FILTER 2" LONG THREAD 50MESH WITH STOP VALVE
73691S	316 SERIES SUCTION FILTER 1 1/2" SHORT THREAD 50MESH WITH STOP VALVE
91632	316 SERIES SUCTION FILTER 1 1/2" LONG THREAD 50MESH WITH STOP VALVE
73688	317 SERIES SUCTION FILTER 2" SHORT THREAD 50MESH WITH STOP VALVE
92829	317 SERIES SUCTION FILTER 2" LONG THREAD 50MESH WITH STOP VALVE
E000039013	324 INLINE SERIES FILTER 1/2" 50MESH
E000019054	324 INLINE SERIES FILTER 3/4" 50MESH
E000034599	335 SERIES IRRIGATION FILTER 3" 32MESH



312 Series



314 Series



316 Series



316 Series with stop valve



317 Series with stop valve



324 Series



335 Series

SPRAY PUMPS (DIAPHRAGM)

Low Pressure, ideal for crop spraying and low-pressure applications (sub 30 Bar). All pumps have splined 1 3/8" shaft and are suited to 550RPM PTO applications.

Product Code	Description	Specifications
E000039480	Two-diaphragms in NBR. Parts in contact with spray liquid: anodized aluminium.	20L/min, 15Bar, 550 PTO RPM
91062	Two-diaphragm pump is designed to tackle a wide range of fluid transfer applications.	48L/min, 30Bar, 550 PTO RPM
91069	Two-diaphragms in NBR. Parts in contact with spray liquid: plastic coated aluminium.	58L/min, 20Bar, 550 PTO RPM
34173	Two-diaphragm pump, for use in low pressure systems. Parts in contact with pumped liquids are in plastic-coated aluminium Rilsan and AISI 303/304. Diaphragms in NBR. Seals in NBR.	74L/min, 20Bar, 550 PTO RPM
91552	Three-diaphragms in Buna. Exclusive check valve design: spheric section shaped made up of AISI 316 stainless steel	75L/min, 5Bar, 550 PTO RPM
91068	Three-diaphragms in Buna. Parts in contact with spray liquid: plastic coated aluminium.	121L/min, 20Bar, 550 PTO RPM
E000030851	Three-diaphragm pump for specially suited for weed control and liquid fertiliser treatment. All wetted parts are constructed from polypropylene and AISI316 stainless steel.	126L/min, 15Bar, 550 PTO RPM
34174	Three-diaphragms for use in agriculture in low pressure systems for spraying open field crops with pesticides or weed killers. Parts in contact with pumped liquids in Rilsan and AISI 303/304. Diaphragms in NBR, Seals in NBR.	128L/min, 20Bar, 550 PTO RPM
88932	Three-diaphragm pump, for use in low pressure systems. Parts in contact with pumped liquids in reinforced Nylon, AISI 303/304. Diaphragms in NBR. Seals in NBR.	132L/min, 15Bar, 550 PTO RPM
91070	Four-diaphragm pump in NBR. Parts in contact with spray liquid are made from plastic coated aluminium.	138L/min, 20Bar, 550 PTO RPM
92991	Four-diaphragm pump, for use in low pressure systems. Parts in contact with pumped liquids in plastic-coated aluminium Rilsan and AISI 303/304. Diaphragms in NBR. Seals in NBR.	166L/min, 20Bar, 550 PTO RPM
E000033782	Five-Diaphragm pump for use in low pressure application. All wetted parts are constructed from polypropylene and AISI316 stainless steel. Thru Shaft.	210L/min , 15Bar, 550 PTO RPM



E000039480
(Comet BP20/15)



91062
(Comet P48)



91069
(Comet BP60 K)



34173
(AR 70BP/C)



91552
(Bertolini 2073 VS)



91068
(Comet BP125K)



E000030851
(Bertolini 2136 VS)



34174
(AR 135BP/C)



88932
(AR 140BP/C)



91070
(Comet BP151K)



92991
(AR 160BP/C)



E000033782
(Bertolini 2210 VD)

High Pressure, ideal for airblast or horticultural and viticultural applications (sub 50 Bar). All pumps have splined 1 3/8" shaft and are suited to 550RPM PTO applications *.

Product Code	Description	Specifications
91072	Three-diaphragm pump in NBR. Parts in contact with spray liquid are made from anodized aluminium. *Single Shaft 6 hole flanged input – does not have 1 3/8" 6 spline shaft.	38L/min, 40Bar, 550 PTO RPM
34171	Three-diaphragm pump with aluminium housing. Parts in contact with spray liquid are anodised. *Single Shaft 3 hole flanged input – does not have 1 3/8" 6 spline shaft.	40L/min, 40Bar, 550 PTO RPM
91555	Three-diaphragm pump in aluminium housing.	54L/min, 40Bar, 550 PTO RPM
34172	Three-diaphragm pump with aluminium housing. Parts in contact with spray liquid are anodised. *Single Shaft 3 hole flanged input – does not have 1 3/8" 6 spline shaft.	54L/min, 40Bar, 550 PTO RPM
91064	Three-diaphragm pump in NBR. Parts in contact with spray liquid are made from anodized aluminium. Thru Shaft.	67L/min, 50Bar, 550 PTO RPM
91556	Three-diaphragm pump in aluminium housing.	70L/min, 40Bar, 550 PTO RPM
88936	Three-diaphragm pump with aluminium housing. Parts in contact with spray liquid are anodised.	76L/min, 40Bar, 550 PTO RPM
91065	Four-diaphragm pump in NBR. Parts in contact with spray liquid are made from anodized aluminium. Thru Shaft.	88L/min, 50Bar, 550 PTO RPM
91066	Four-diaphragm pump in NBR. Parts in contact with spray liquid are made from anodized aluminium. Thru Male/Female Shaft.	88L/min, 50Bar, 550 PTO RPM
91557	Three-diaphragm pump in aluminium housing. Thru Shaft	110L/min, 50Bar, 550 PTO RPM
91067	Three-diaphragm pump made from NBR. Parts in contact with spray liquid anodized aluminium. Thru Shaft	115L/min, 50Bar, 550 PTO RPM
91073	Three-diaphragm made from NBR. Parts in contact with spray liquid are made from brass. Thru Shaft	135L/min, 50Bar, 550 PTO RPM
91071	Four-diaphragm pump in NBR. Parts in contact with spray liquid are made from anodized aluminium. Thru Shaft	142L/min, 50Bar, 550 PTO RPM

 <p>91072 (Comet APS41)</p>	 <p>34171 (AR 403 SP)</p>	 <p>91555 (Bertolini PA530 SV VC)</p>
 <p>34172 (AR 503 SP)</p>	 <p>91064 (Comet APS71)</p>	 <p>91556 (Bertolini PA730.1 VC)</p>
 <p>88936 (AR 713C/C)</p>	 <p>91065 (Comet APS 96 M/M)</p>	 <p>91066 (Comet APS 96 M/F)</p>
 <p>91557 (Bertolini PBO 1100VD)</p>	 <p>91067 (Comet APS121)</p>	 <p>91073 (Comet IDS 1401)</p>
	 <p>91071 (Comet APS145)</p>	

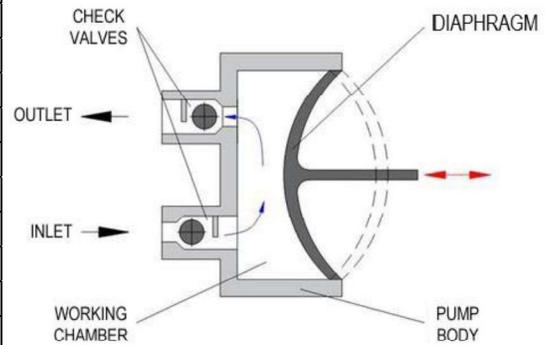
SPRAY DIAPHRAGM PUMP PARTS

Diaphragms

Product Code	Description	Pump Family
91093	Diaphragm NBR	BP20/15
91091	Diaphragm NBR	P48
91095	Pulsating Diaphragm	BP60K
91091	Diaphragm NBR	BP60K
09111	Diaphragm NBR	AR 70
93045	Diaphragm Kit	2073VS
91091	Diaphragm NBR	BP125 K
93114	Diaphragm Viton	AR 135
93114	Diaphragm Viton	AR 140
91091	Diaphragm NBR	BP151 K
93114	Diaphragm Viton	AR 160
91093	Diaphragm NBR	APS41
09106	Rubber diaphragm NBR	AR403
93051	Diaphragm Kit	PA530 SV VC
09105	Rubber diaphragm NBR	AR503 SP
91093	Diaphragm NBR	APS71
93073	Diaphragm Kit	PA730.1 VC
09108	NBR Rubber diaphragm	AR 713C/C
91094	Diaphragm NBR	APS96
93075	Diaphragm Kit	PBO 1100VD
91092	Diaphragm NBR	APS121
91092	Diaphragm NBR	IDS 1401

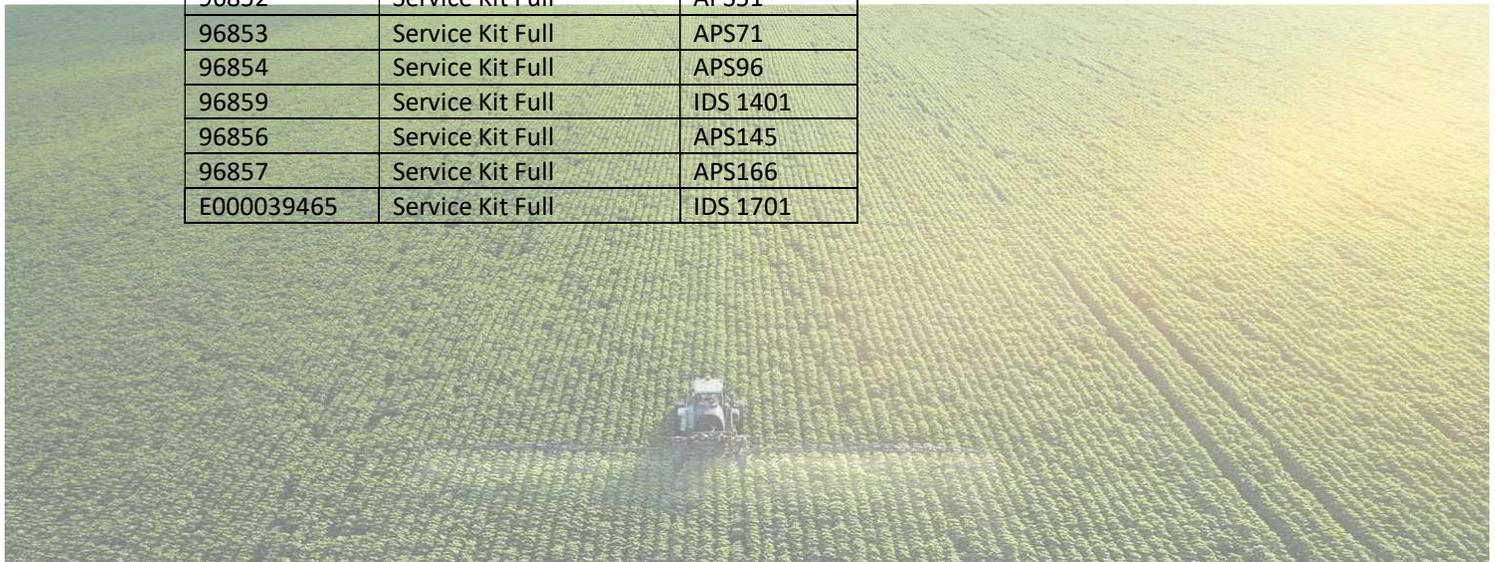


How a diaphragm pump works



Repair Kits

Product Code	Description	Pump Family
96861	Service Kit Full	P48
96862	Service Kit Full	BP60K
96864	Service Kit Full	BP125 K
96851	Service Kit Full	APS41
96852	Service Kit Full	APS51
96853	Service Kit Full	APS71
96854	Service Kit Full	APS96
96859	Service Kit Full	IDS 1401
96856	Service Kit Full	APS145
96857	Service Kit Full	APS166
E000039465	Service Kit Full	IDS 1701



Oil Viewers

Product Code	Description	Pump Family
E000039470	VIEWER-OIL	BP20/15
91083	VIEWER-OIL	APS41
91083	VIEWER-OIL	APS71
91081	VIEWER-OIL	APS96
91081	VIEWER-OIL	APS121
91084	VIEWER-OIL	BP125 K
91082	VIEWER-OIL	IDS1401
91081	VIEWER-OIL	BP151 K



Cap not included

Valve Assemblies

Product Code	Description	Pump Family
E000034162	VALVE ASSEMBLY	BP60K, BP105, BP125K
91110	VALVE ASSEMBLY	APS71, APS96
91106	VALVE ASSEMBLY	IDS 2200, IDS 2600
TBA	VALVE ASSEMBLY	IDS 1401, IDS1701, IDS2001
E000032226	VALVE ASSEMBLY	APS121, APS145, APS166



91058 Pictured

Control Valves

Product Code	Description	Pump Family
91055	CONTROL VALVE ASSEMBLY	BP Series
91058	CONTROL VALVE ASSEMBLY	APS41

12V SPRAYING PUMPS



Product Code 8000-543-136

6.8 LPM open flow, Viton® valves, Santoprene® diaphragm, 60 PSI Demand Switch, 1/2" male BSP ports and poly housing. Intermittent Duty Cycle
Ideal for spot spraying with small to medium size lance. Also suitable for a 2 – 4 nozzle boom (based on ISO yellow nozzle).



Product Code 2088-343-135

11.4 LPM open flow, Viton valves, santoprene diaphragm, 40 PSI demand switch 1/2" male BSP ports and poly housing. Intermittent Duty Cycle.
Ideal for 4 nozzle boom (based on ISO brown nozzle).



Product Code 89262

19.0LPM open flow, Viton valves, santoprene diaphragm, 60 PSI, quick fitting barbs. Intermittent Duty Cycle. Ideal for 8 – 10 nozzle boom (based on ISO brown nozzle). Requires 2 x 91709.

Product Code 91709

Quick fitting connector 1/2" hose barb



HANDSPRAYERS AND KNAPSACKS

Product Code 32962

2Ltr Compression Sprayer - ideal for small spraying jobs, including insects, spiders or perfect for small weeds in the garden space.



Product Code 95254

5Lt Handsprayer with piston pump. Comes with brass lance that is extendable, adjustable nozzle, pressure gauge to monitor spraying pressure, padded shoulder strap, pressure relief valve and wide base for stability on the ground.

Product Code 95287 Spare Pump

Product Code 95288 Spare harness

Product Code 95289 Spare pressure relief valve

Product Code 95297 Spare gasket

Product Code 95290 Spare lance (includes pressure gauge)

Product Code 95259

8Lt Handsprayer with piston pump. Comes with brass lance that is extendable, adjustable nozzle, pressure gauge to monitor spraying pressure, padded shoulder strap, pressure relief valve and wide base for stability on the ground.

Product Code 95286 Spare Pump

Product Code 95288 Spare harness

Product Code 95289 Spare pressure relief valve

Product Code 95297 Spare gasket

Product Code 95290 Spare lance (includes pressure gauge)



ELECTRIC SPRAYERS (KNAPSACK AND HANDSPRAYING)



Product Code 93850-01

16Lt Knapsack Sprayer with 12V lithium-Ion rechargeable battery, telescopic brass lance nylon grip lance assembly and comes with 4 different nozzles (adjustable cone, flat fan, air inducted and twin nozzle output).

Product Code 93835 Spare battery

Product Code 93836 Spare lance

Product Code 93868 Spare regulator

Product Code 93869 Spare on/off switch

Product Code 93875 Spare trigger assembly

Product Code 93874 Spare pump

Product Code 93873 Spare charger

Product Code 96820

This 2Lt ergonomically designed hand sprayer for treatment of plant protection products, disinfectants and detergents diluted in water accordingly. The Sprayer is equipped with an electrically driven pump by a rechargeable battery powered motor. The handle is ergonomic and allows for an easy grip, while the control trigger is easily operated. The machine is powered by battery with rated voltage 3.7V 2000mAh.



Product Code 96910

This 8Lt shoulder sprayer is ideal for disinfectant products and detergents diluted in water accordingly. The sprayer is equipped with an electrically driven pump powered by battery with nominal voltage 12V 2.6Ah.