

# HYPRO<sup>®</sup> NOZZLES

## VPTECH<sup>™</sup>

### AN INCLINED VP NOZZLE IN TWINCAP ASSEMBLY



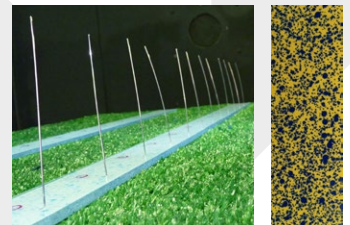
#### FEATURES & BENEFITS

The VP Tech<sup>™</sup> nozzle assembly is made up with one VP flat fan nozzle and a removable blanking insert in a standard TwinCap. Spray quality is in the fine to medium range and with a 30° spray incline it is the ideal nozzle for achieving good spray coverage on both sides of vertical targets such as soil clods and small grass weeds.

- The VP Tech<sup>™</sup> nozzle assembly produces a single spray inclined at 30°
- Align the spray in alternate directions forwards and back along the boom for optimum spray coverage on vertical targets such as soil clods and small grass weeds
- 80° or 110° spray angle options. The 80° nozzle will suffer less drift than the 110° when boom heights are higher
  - VP Tech<sup>™</sup> 110° suitable for 35-50 cm boom height
  - VP Tech<sup>™</sup> 80° suitable for 60-75 cm boom height
- The VP nozzle holds its spray pattern down to 1 bar for a wider range of flows and spray quality than standard flat fan nozzles
- There is no offset on cap so when alternating the spray direction along the boom spray patterning remains excellent
- Fits standard EF3 nozzle bodies including Hypro's ProFlo<sup>™</sup>, Arag and Teejet. There is also an option to fit Hardi nozzle holders
- Nozzle sizes 02 to 06 are available
- The supplied VP nozzle and the blanking insert are designed to be removed so the TwinCap can also be used with alternative nozzle(s)



When spraying autumn herbicides, alternate the spray direction forward and back for best coverage of small blackgrass\* and soil clods.



\* Tests carried out in the wind tunnel at TAG Silsoe showed an alternating 30° spray gave an 8% increase in spray coverage on artificial blackgrass targets in comparison with a vertical spray.

# HYPRO® NOZZLES

## VPTECH™

VPT110 -02	Pressure	Flow	Litres/hectare @ Km/h						
	Bar	L/min	8	10	12	14	16	18	20
02	1	0.462	69	55	46	40	35	31	28
	2	0.653	98	78	65	56	49	44	39
	3	0.800	120	96	80	69	60	53	48
	4	0.924	139	111	92	79	69	62	55
	5	1.033	155	124	103	89	77	69	62

VPT80 -02	Pressure	Flow	Litres/hectare @ Km/h						
	Bar	L/min	8	10	12	14	16	18	20
02	1	0.462	69	55	46	40	35	31	28
	2	0.653	98	78	65	56	49	44	39
	3	0.800	120	96	80	69	60	53	48
	4	0.924	139	111	92	79	69	62	55
	5	1.033	155	124	103	89	77	69	62

VPT110 -025	Pressure	Flow	Litres/hectare @ Km/h						
	Bar	L/min	8	10	12	14	16	18	20
025	1	0.577	87	69	58	49	43	38	35
	2	0.816	122	98	82	70	61	54	49
	3	1.000	150	120	100	86	75	67	60
	4	1.155	173	139	115	99	87	77	69
	5	1.291	194	155	129	111	97	86	77

VPT80 -03	Pressure	Flow	Litres/hectare @ Km/h						
	Bar	L/min	8	10	12	14	16	18	20
03	1	0.693	104	83	69	59	52	46	42
	2	0.980	147	118	98	84	73	65	59
	3	1.200	180	144	120	103	90	80	72
	4	1.386	208	166	139	119	104	92	83
	5	1.549	232	186	155	133	116	103	93

VPT110 -03	Pressure	Flow	Litres/hectare @ Km/h						
	Bar	L/min	8	10	12	14	16	18	20
03	1	0.693	104	83	69	59	52	46	42
	2	0.980	147	118	98	84	73	65	59
	3	1.200	180	144	120	103	90	80	72
	4	1.386	208	166	139	119	104	92	83
	5	1.549	232	186	155	133	116	103	93

VPT80 -04	Pressure	Flow	Litres/hectare @ Km/h						
	Bar	L/min	8	10	12	14	16	18	20
04	1	0.924	139	111	92	79	69	62	55
	2	1.306	196	157	131	112	98	87	78
	3	1.600	240	192	160	137	120	107	96
	4	1.848	277	222	185	158	139	123	111
	5	2.066	310	248	207	177	155	138	124

VPT110 -035	Pressure	Flow	Litres/hectare @ Km/h						
	Bar	L/min	8	10	12	14	16	18	20
035	1	0.808	121	97	81	69	61	54	48
	2	1.143	171	137	114	98	86	76	69
	3	1.400	210	168	140	120	105	93	84
	4	1.617	242	194	162	139	121	108	97
	5	1.807	271	217	181	155	136	120	108

VPT80 -05	Pressure	Flow	Litres/hectare @ Km/h						
	Bar	L/min	8	10	12	14	16	18	20
05	1	1.155	173	139	115	99	87	77	69
	2	1.633	245	196	163	140	122	109	98
	3	2.000	300	240	200	171	150	133	120
	4	2.309	346	277	231	198	173	154	139
	5	2.582	387	310	258	221	194	172	155

VPT110 -04	Pressure	Flow	Litres/hectare @ Km/h						
	Bar	L/min	8	10	12	14	16	18	20
04	1	0.924	139	111	92	79	69	62	55
	2	1.306	196	157	131	112	98	87	78
	3	1.600	240	192	160	137	120	107	96
	4	1.848	277	222	185	158	139	123	111
	5	2.066	310	248	207	177	155	138	124

VPT80 -06	Pressure	Flow	Litres/hectare @ Km/h						
	Bar	L/min	8	10	12	14	16	18	20
06	1	1.386	208	166	139	119	104	92	83
	2	1.960	294	235	196	168	147	131	118
	3	2.400	360	288	240	206	180	160	144
	4	2.771	416	333	277	238	208	185	166
	5	3.098	465	372	310	266	232	207	186

VPT110 -05	Pressure	Flow	Litres/hectare @ Km/h						
	Bar	L/min	8	10	12	14	16	18	20
05	1	1.155	173	139	115	99	87	77	69
	2	1.633	245	196	163	140	122	109	98
	3	2.000	300	240	200	171	150	133	120
	4	2.309	346	277	231	198	173	154	139
	5	2.582	387	310	258	221	194	172	155

Spray Quality:

COARSE
MEDIUM
FINE

VPT110 -06	Pressure	Flow	Litres/hectare @ Km/h						
	Bar	L/min	8	10	12	14	16	18	20
06	1	1.386	208	166	139	119	104	92	83
	2	1.960	294	235	196	168	147	131	118
	3	2.400	360	288	240	206	180	160	144
	4	2.771	416	333	277	238	208	185	166
	5	3.098	465	372	310	266	232	207	186

To order VPTEch nozzles with 110° spray angle use part numbers: VPT110-02, -025, -03, -035, -04, -05 and -06.

To order VPTEch nozzles with 80° spray angle use part numbers: VPT80-02, -03, -04, -05 and -06.

For VPTEch nozzles made with TwinCaps that fit Hardi nozzle holders: add "-H" to relevant part number.

Nozzles assemblies are supplied ready to fit. The sealing washer (part no: 22W11MF64) and blanking insert (part no: 30Q3834) are also available to order as spares.



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