

# SPRAY NOZZLES

## HYPRO FLAT FAN JET 110°



Vari-pressure fan jet nozzles engineered to create a constant spray angle over a wide area.

- Designed for automatic rate-controlled sprayers.
- Controllable droplet size via pressure regulation.
- Controls drift at low pressure and gives wide coverage at high pressure.
- Conforms to ISO standard colours and sizing to ensure a high level of compatibility.
- Precision crafted in polyacetal to a spray angle tolerance of 5%.

Colour	PA Code	Pressure (Bar)	Flow (l/min)
<b>Yellow 02</b> (110°) (80°)	110° - 12-00020 80° - 12-00024	2	0.653
		3	0.800
		4	0.924
<b>Blue 03</b> (110°) (80°)	110° - 12-00008 80° - 12-00028	2	0.980
		3	1.200
		4	1.386
<b>Red 04</b> (110°) (80°)	110° - 12-00009 80° - 12-00029	2	1.306
		3	1.600
		4	1.848
<b>Brown 05</b> (110°)	12-00030	2	1.633
		3	2.000
		4	2.309
<b>Grey 06</b> (110°)	12-00019	2	1.960
		3	2.400
		4	2.771

## DEFY 3D SPRAY NOZZLES



Hypro 3D nozzles outperform a flat-fan nozzle by 10 percent for pre-emergence blackgrass control in Syngenta field trials.

- Outperforms flat-fan in pre emerge weed control at multiple boom heights.
- Delivers improved efficiency and reduced water volume without compromising weed control.
- 60-75% drift reduction compared to flat-fan nozzles, achieving 2 Star LERAP rating at specific nozzle size/pressure combinations.
- Engineered to create consistent droplet sizes.

Colour	PA Code	Pressure (Bar)	Flow (l/min)
<b>Blue 03</b>	12-00031	2	0.98
		3	1.20
		4	1.39
		4	1.39
<b>Brown/Red 035</b>	12-00032	2	1.14
		3	1.40
		4	1.62
<b>Red 04</b>	12-00033	2	1.31
		3	1.60
		4	1.85
		4	1.85
<b>Brown 05</b>	12-00034	2	1.63
		3	1.99
		4	2.30
		4	2.30

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# SPRAY NOZZLES

## GUARDIANAIR™



The Hypro GuardianAIR™ is the only spray nozzle with a pattern and droplet size scientifically designed to maximize coverage and productivity at spray rates of 10 GPA.

- Inclined spray of 10-13° provides increased coverage.
- Optimized for performance and high productivity, especially for application rates around 10 GPA.
- Air-induced spray reduces drift and increases droplet deposition and retention.
- Provides better coverage with more drops per gallon compared to other common air-induced spray tips.

Colour	PA Code	Pressure (Bar)	Flow (l/min)
Yellow 02	12-00001	2	0.653
		3	0.800
		4	0.924
Lilac 025	12-00002	2	0.816
		3	1.000
		4	1.155
Blue 03	12-00007	2	0.980
		3	1.200
		4	1.386
Brown/Red 035	12-00043	2	1.143
		3	1.400
		4	1.617
Red 04	12-00011	2	1.306
		3	1.600
		4	1.848
Brown 05	12-000014	2	1.633
		3	2.000
		4	2.309

## GUARDIANAIR™ TWIN

Pentair Hypro GuardianAIR™ Twin spray nozzles are the best choice for high-coverage applications where on-target spray delivery is important. They are ideal for low crops with complex canopies, such as vegetables, where thorough coverage of the target and protection of the surroundings are of high importance.



- High-coverage forward and rear-facing fans provide coverage on both sides of target.
- FastCap complete includes nozzle, cap, gasket and is available with or without a filter.
- Integrated strainers are matched to the nozzle size to prevent over-straining or plugging.

Colour	PA Code	Pressure (Bar)	Flow (l/min)
Yellow 02	12-00044	2	0.653
		3	0.800
		4	0.924
Blue 03	12-00045	2	0.980
		3	1.200
		4	1.386
Red 04	12-00046	2	1.306
		3	1.600
		4	1.848
Brown 05	12-00047	2	1.633
		3	2.000
		4	2.309
Grey 06	12-00048	2	1.960
		3	2.400
		4	2.771
White 08	12-00049	2	2.613
		3	3.200
		4	3.695

# SPRAY NOZZLES

## FASTCAP® ESI SIX-STREAM FOR LIQUID FERTILISER

The ESI six stream nozzle is ideal for applying fertilizer into solid seeded crops. It creates six individual streams that distribute the fertilizer on the soil while getting less on the crop.



- Ceramic metering orifice and low-pressure distribution chamber provides superior stream stability for reduced atomization and prevention of leaf burn.
- Six streams distribute fertilizer more evenly than one single stream.
- Provides extremely course droplets improving fertilizer distribution.

Colour	PA Code	Pressure (Bar)	Flow (l/min)
Blue 03	12-00050	2	0.980
		3	1.200
		4	1.386
Red 04	12-00051	2	1.306
		3	1.600
		4	1.848
Brown 05	12-00052	2	1.633
		3	2.000
		4	2.309
Grey 06	12-00053	2	1.960
		3	2.400
		4	2.771
White 08	12-00054	2	2.613
		3	3.200
		4	3.695
Light Blue 10	12-00055	2	3.266
		3	4.000
		4	4.619
Light Green 15	12-00056	2	4.899
		3	6.000
		4	6.928

## NOZZLE BODIES

A range of multi nozzle holders for use with the range of Hypro spray nozzles. Manufactured from Polyacetal and Nylon they have an operating range of up to 20 bar. Suitable for any sprayer using a 1/2", 3/4" or 1" boom pipe.



Description	PA Code
5 Way nozzle - For 1" pipe	12-00059
5 Way nozzle - For 3/4" pipe	12-00027
5 Way nozzle - For 1/2" pipe	12-00060
3 Way nozzle - For 1" pipe	12-00061
3 Way nozzle - For 3/4" pipe	12-00026
3 Way nozzle - For 1/2" pipe	12-00062
1 Way nozzle - For 1" pipe	12-00063
1 Way nozzle - For 3/4" pipe	12-00064
1 Way nozzle - For 1/2" pipe	12-00013

## TURRET FILTER

Plastic body filters with a 50 mesh stainless steel filter screen. Suitable for most types of nozzle holders including most knapsack sprayers.



Description	PA Code
Blue (50 mesh)	12-00012

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## NOZZLE BAYONET CAPS



A universal nozzle bayonet cap and rubber sealing washer, for use with any flat fan, air inclusion, flood spray or cone spray nozzles. Fits all makes of sprayer and knapsack sprayer.

Colour	PA Code
Yellow	12-00015
Lilac	12-00057
Blue	12-00016
Brown/Red	12-00058
Red	12-00017
Brown	12-00018
Sealing Washer	12-00004

## FACE SHIELD

13-01277



## FFP3 DISPOSABLE MASK

07-00005



## DISPOSABLE SPRAY SUITS

Size	PA Code
M	07-09626
L	07-09627
XL	07-09628
XXL	07-09629



## NITRILE GAUNTLETS

Length	Size	PA Code
18"	Size 9	16-25048
18"	Size 10	16-25049
12"	L	16-25045
12"	XL	16-25044



## MOLDEX COMPACT HALF MASK

with integrated Filters

Protection level FF, A1, B1, E1, P3, K1, R D

30-02406



Nozzles for TeeJet, Billericay and Lechler systems are also available.