

The Only 3-Point Sprayers To Use When Total Plant Coverage Is Required

VENTURI AIR - 3-POINT HITCH MODELS

These unique **Venturi Air Sprayers** feature the latest technology in low volume spraying. Thus, growers achieve the following benefits: spray atomization of droplets are smaller and more uniform, less fill-ups, even distribution of concentrated spray, complete foliage coverage, better product utilization, less chemical waste and soil/water contamination.



FEATURES:

- High performance, precision balanced all steel, centrifugal fan
- Special molded polyethylene fan housing
- Translucent heavy walled polyethylene tank with lid, sump and strainer basket
- Built-in overrunning clutch to protect the tractor and sprayer drive train
- Compact, rounded tank design permits traveling through vegetation without damaging it
- Simple, efficient "Dial-A-Rate", 15 position metering disc
- Agitation by liquid sparging tube and air from the fan
- Low pressure spraying system - 15 to 40 PSI spraying pressure means less maintenance for pumps and nozzles
- Power band fan speed-up is automatically adjusted by spring loaded idler
- Broad range of Venturi distribution heads that produce 50 micron droplets and are specially designed to match a variety of foliage profiles
- Capable of application rates of 20 to 200 gallons per acre, depending on row width
- Reachable controls from tractor seat, allows operator to switch liquid from off to right, left or both sides spraying
- Built-in 6 gallon fresh water safety tank

SPECIFICATIONS:

MODELS:	P42N1-300-G	P42N1-400-G	P45N1-400-G	P50N1-400-G	P50N1-600-G	P50S1-600-G	P55S1-600-G
Tank Capacity:	75 Gallon	100 Gallon	100 Gallon	100 Gallon	150 Gallon	150 Gallon	150 Gallon
Diameter of Fan:	17 3/4"	17 3/4"	17 3/4"	19 3/4"	19 3/4"	19 3/4"	21 3/4"
Fan (R.P.M.):	3900	3900	4500	4000	4000	4320	3720
Volume of Air:	2350	2350	3180	4444	4444	4875	8240
Air Speed (MPH*):	400	400	420	390	390	405	380
Tractor PTO Min. **:	18 HP	18 HP	32 HP	45 HP	45 HP	52 HP	60 HP
Controls:	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid	Electro
Sprayer Width:	38"	44"	44"	44"	57"	57"	57"
Sprayer Height:	46"	46"	46"	46"	48"	48"	48"
Sprayer Length:	54"	54"	54"	57"	57"	57"	58"
Weight w/o Distributor:	400#	440#	455#	510#	540#	540#	550#

* Air speed will vary depending on the type of distribution head used.

** Horsepower is minimum requirement for average operating conditions. Soft soil and hilly conditions will require more horsepower than shown.

Achieves Total Plant Coverage On Field Crops

VENTURI AIR BOOM SPRAYERS

**27' Boom
SPRAYER SHOWN**



**40' Boom
SPRAYER SHOWN**



- TANK:** Translucent polyethylene 150 gallon with hatch and strainer basket
- AGITATION:** Adjustable liquid bypass, and air from fan when required
- DRIVE:** 540 RPM P.T.O. driven with belt drive to fan and pump with overrunning clutch
- NOZZLES:** "No drip" system on each nozzle and individual liquid shut-off by hand, replaceable stainless steel discs and screens
- CONTROLS:** Reachable from tractor seat allowing operator to switch liquid from off to right or left
- FILTRATION SYSTEM:** 3 Stages - at filler, at pump, and at nozzles
- FAN:** Centrifugal type with PVC housing
- PUMP:** Centrifugal with maximum 37 GPM
- SIGHT GAUGES:** In tank and tubing
- PRESSURE GAUGE:** 0 to 80 P.S.I. in liquid case to reduce vibration and extend life

SPECIFICATIONS:

MODELS:	P50S-600-27	P55S1-600-40S	P55S1-600-40
Boom Width:	27'	40'	40'
Rows:	8 Row	7 Row	12 Row
No. of Nozzles:	2+2 = 32	2+3+2 = 49	2+2 = 48
Boom Design:	Steel Tubing	Framed Poly Air Tubing	Framed Poly Air Tubing
Tank Capacity:	150 Gal.	150 Gal.	150 Gal.
Diameter of Fan:	19.75"	21.75"	21.75"
Fan (RPM):	4320	3720	3720
Volume of Air (CFM):	4875	8240	8240
Air Speed at Foliage:	10-50 MPH	10-50 MPH	10-50 MPH
Controls:	Liquid	Electro-Valve	Electro-Valve
Minimum Tractor HP:	52	60	60
Sprayer Weight:	1230#	1800#	1800#

FEATURES:

- Air velocity of 200 MPH at nozzle breaks down spray to fog size (50 microns) droplets which penetrate in and around all areas of each plant
- Air movement allows chemical to completely cover vegetation, especially the underside of leaves
- Volume as low as 5 gallons per acre results in fewer refilling stops and more acres covered per day
- Spray drift is reduced by 50% to 75%.
- Boom has breakaway and hydraulic fold away features to prevent damage and for transport
- Boom raises and lowers hydraulically for different crop heights, independent of the sprayer
- Boom nozzles are completely adjustable in width and angle for maximum coverage
- Chemicals only come in contact with plastic, rubber, and stainless steel parts