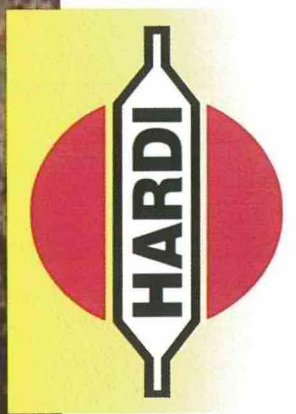


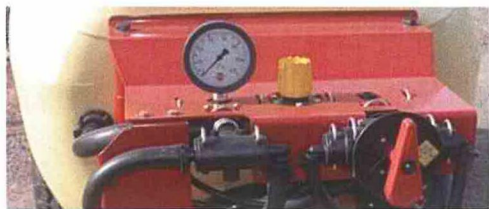
ARROW



• A New Generation of Vineyard and Orchard Sprayer



"Fluid operating units"



The pressure regulator is centrally located for easy calibration and allows for simple change of application rates. Furthermore, it provides the operator with excellent droplet size control. The 4" pressure gauge is easy to read from the ground or the tractor.



The ARROW is equipped with 2 hydraulic valves for left and right on/off. This allows the sprayer to be controlled using the tractor's hydraulic outlet. This simple and reliable solution eliminates the need for cables, chemical filled hoses or wires in the cab. **Note: Requires 2 double acting hydraulic tractor outlets.**

"Blower range"



30" or 32" Super Flow Axial Fan

HARDI® has used the latest high tech engineering tools and computer simulations to design and test this new generation of fans. Because of the extensive research HARDI® has developed the most efficient fan ever offered on a sprayer. The fan will move more air with less power than any other fan on the market. The uniformity of the air distribution is equally important, and the fan is therefore designed with a smooth fiberglass fan housing with as few restrictions of the air flow as possible. The fan blades and hub are made of aluminum and high strength poly making the fan lightweight, strong and durable. The pitch of the blades can be altered to match most crops or tractor sizes. (3 positions)



B11 - 1 Row Grape Boom

1 row sprayer is designed for use in vineyard, berry bush and small trees up to 12' (3.5m) tall with row spacing from 8' to 14' (2.4m-4.3m). The spouts are fully flexible and individually adjustable, allowing air and spray to be directed precisely to the target area. This provides a better and more uniform coverage with a minimum of loss to the surrounding environment.

B20 - 2 Row Grape Boom

The 2-row grape boom is designed to give you greater capacity, more flexibility, and better reliability than any other system on the market. The standard boom has manual boom height adjustment and manual wing fold. With a few in-field adjustments the boom can be adapted to most trellis systems in 7'- 12' (2.0m-3.5m) rows. The boom is equipped with two break-away sections, thereby minimizing the risk of a break-down, in case of an accidental encounter with trees or fence poles, etc. The boom can be equipped with an optional 3-cylinder hydraulic kit, which requires 3 double acting hydraulic tractor outlets.

This will provide hydraulic boom height adjustment and individual hydraulic left/right boom wing fold.



"The heart of the sprayer"



The HARDI® diaphragm pumps are designed for the application of crop protection products and liquid fertilizer. The ARROW is standard equipped with the HARDI® 363 HEAVY DUTY PUMP. The 363 HD is specially designed for the abrasive chemicals used in orchard and vineyards. HARDI® offers a 5 year prorated warranty on all pumps. The HARDI® diaphragm pumps are:

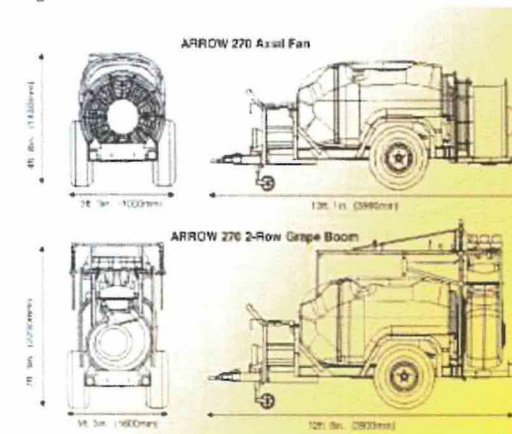
- Self priming
- Able to run dry with out damage
- Easy to service
- Grease lubricated (dry crank case)
- Mounted with chemical resistant diaphragms and valve
- Positive displacement feature provides a high level of accuracy.
- Drain hole allows chemical to drain out in case of diaphragm failure.

"Superior tank design"



HARDI® uses polyethylene for tank manufacturing. Polyethylene is extremely strong and flexible ensuring that the tanks can withstand any kind of vibration. The use of polyethylene gives HARDI® the capabilities to design tanks that are very compact, narrow, and molded in specific shapes to optimize overall design and performance. The tanks are designed to rest on the frame in their full length. They are held in place by the front sub-frame and fan assembly, eliminating the need for tank straps. All HARDI® tanks are made of seamless UV protected polyethylene. They are specifically designed to resist abrasive chemicals and liquid fertilizers used in agriculture all over the world. All tanks are puncture resistant, and designed with large deep sumps for optimal pump priming, cleaning, agitation, and complete emptying on slopes and side hills. 270 gal. or 400 gal. sizes available

"Technical Specification"



Weights: Empty

- ARROW 270 Axial Fan: 1477 lbs.
- ARROW 270 B11/B20: 1614 lbs.
- ARROW 400 Axial Fan: 1590lbs.
- ARROW 400 B11/B20: 1741lbs.

Note: approximate weights

Dimensions: Width/Length/Height

- ARROW 270 Axial Fan - 39"/157"/56"
- ARROW 270 B11/B20 - 63"/152"/87"
- ARROW 400 Axial Fan - 48"/153"/58"
- ARROW 400 B11/B20 - 59"/152"/93"

Minimum tractor requirements

- Arrow 270/400 B11: 40 HP/40 HP
- Arrow 270/400 B20: 50 HP/50 HP
- Arrow 270/400 Axial Fan: 50 HP/75 HP

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