

BL • MK • MV



● The farmer proven range

“**T**he heart of the sprayer”

The HARDI diaphragm pumps, are designed for the application of plant protection chemicals and liquid fertilizer.



The HARDI diaphragm pumps are:

- self priming
- able to run dry without damage
- easy to service
- grease lubricated (dry crankcase)
- fitted with chemical resistant diaphragms and valves
- able to rotate clockwise or anti-clockwise

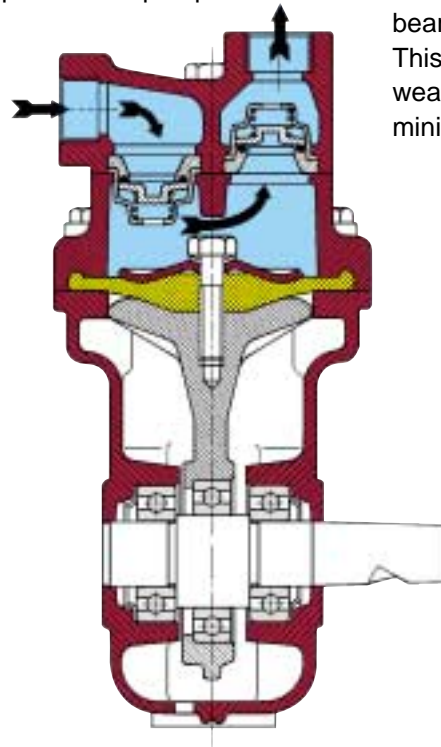


HARDI polyethylene tanks are:

- blow-moulded
- with incorporated volume scale
- with deep sump
- knock-proof
- chemical resistant and U.V. stabilized

A strong weather and chemical resistant polyester coating of frame and boom ensures good protection of the steel parts. All bolts and nuts are specially treated to prevent corrosion.

Principle of the HARDI diaphragm pump. The diaphragm separates the liquid from the vital parts of the pump crankshaft and



bearings. This keeps wear to a minimum.



Single SNAP-FIT nozzle holder with built-in non-drip diaphragm check valve. The non-drip valve ensures no dripping from the nozzles when the main on/off valve is closed. A large range of high quality HARDI nozzles is available to suit any spray task. The SNAP-FIT system ensures that all nozzles are in the correct position.



BL Features

- HARDI diaphragm Pump 500 or 600
- Tank size 200 or 300 l
- Boom width 6 and 8 m SB boom
- M-70 control unit
- Distribution valves
- 2 filter systems, suction and nozzle filters
- Single SNAP-FIT with non-drip valve
- HARDI COLOR TIP nozzles.

The diaphragm pump is mounted directly onto the tractors PTO shaft. The pump shown is the Model 600.



M-70 control unit showing pressure regulator, main on/off valve and pressure gauge.



BL-200 I with the SB boom in transport position. The boom is fixed onto the tank frame and can manually be mounted at different heights. The SB boom is equipped with adjustable spring loaded breakaway system.

As an option the BL sprayer is available with a pump console, where the pump is mounted underneath the tank and a transmission shaft is used.



NK Features

- HARDI diaphragm pump 600, 1202, and 1302
- Tank size 300, 400, 600, and 800 l
- Boom width 6, 8, 10, and 12 m SB boom
- BK-180 control unit with pressure equalization device
- HARDI-MATIC proportional valve
- Pressure agitation
- HARDI transmission shaft
- 3 filter system: suction, pressure and nozzle filters
- Single SNAP-FIT
- HARDI COLOR TIP nozzles



The popular NK models are designed for medium size farms and built according to the same tough engineering criteria used in the

design of the top line mounted sprayers. A sprayer model suitable for broadacre and horticultural operations.



SB boom with manual boom height setting. As an option the NK sprayer can be equipped with mechanical or hydraulic boom lift.

Adjustable spring-loaded boom breakaway section. Single SNAP-FIT nozzle holders.



The unique BK control unit features, valve for pressure agitation, main on/off valve, safety valve, HARDI-MATIC device for constant application rate, pressure filter, pressure gauge and three distribution valves with pressure equalization device.

Top mounted suction filter makes it safe and easy for the operator. Tank filter with screw type lid. 300 mm tank lid on 600 and 800 l models.





NV Features

- HARDI diaphragm pump 1202 and 1302
- Tank size 600 or 800 l
- Boom width 10 or 12 m MB boom
- Trapeze suspension
- BK-180 control unit with pressure equalization device
- HARDI MATIC proportional valve
- Pressure agitation
- HARDI transmission shaft
- 3 filter system: suction, pressure and nozzle filter
- Single SNAP-FIT
- HARDI COLOR TIP nozzles

The NV model is equipped with the robust and well know MB boom.



The MB boom features: trapeze suspension for self stabilization and prolonged boom life, adjustable spring-loaded breakaway section and single SNAP-FIT nozzle holders.



Two agitation nozzles specially designed for ensuring a uniform mixture of the spray liquid.



Boom lock between outer and intermediate boom sections ensures optimum boom stability.

HARDI-MATIC for accurate spraying. The HARDI-MATIC volume control device for constant application rate regardless of speed variation within the same gear. A very important feature for correct and safe application of plant protection chemicals.



Optional Extras for NK - NV



Foot step, optional feature for NK, NV 600 and 800 l. Access to the tank lid is made easier and safer.



If the tractor is equipped with a single-acting hydraulic outlet it is possible to utilize a boom lift with a hydraulic ram.



Hydraulic centre section for SB booms
Centre section permits individual raising and lowering of the booms. Designed for tasks where turning is limited, e.g. in vegetables. Necessitates a double-acting hydraulic outlet.



Mechanical boom lift and trapeze suspension for correct nozzle to target height is imperative for correct application. The winch system makes it easy to raise and lower the SB and MB booms.



The incorporated trapeze system prolongs boom life and improves spray distribution.

35 or 60 l rinsing tank permits flushing of the pump, control unit, hoses and nozzles whilst in the field.



Optional Extras

Ask for special catalogue on optional extras



15l clean water tank



HARDI Filler



Foam marker



Selfcleaning Filter

Remote Control



SNAP-FIT TRIPLET



BL models

Tank size l	Spraying width m	Pump Model	Pump capacity l/min	Measure L x W x H cm	Weight kg
200	6	500	26	100 x 190 x 160	93
	8	600	42	100 x 190 x 200	105
300	6	500	26	100 x 190 x 160	99
	8	600	42	100 x 190 x 200	114

NK models

Tank size l	Spraying width m	Pump Model	Pump capacity l/min	Measure L x W x H cm	Weight kg
300	6	600	42	140 x 190 x 170	140
	8	600	42	140 x 190 x 210	146
400	8	600	42	140 x 190 x 210	156
	10	1202	99	140 x 190 x 210	166
600	8	600	42	140 x 190 x 210	173
		1202	99	140 x 190 x 210	184
	10	1202	99	140 x 190 x 210	191
		1302	114	140 x 190 x 210	197
800	12	1302	114	140 x 256 x 260	209
	10	1302	114	140 x 190 x 210	223
	12	1302	114	140 x 256 x 260	235

NV models

Tank size l	Spraying width m	Pump Model	Pump capacity l/min	Measure L x W x H cm	Weight kg
600	10	1202	99	150 x 226 x 220	220
	12	1202	99	150 x 226 x 220	230
	10	1302	114	150 x 226 x 220	226
	12	1302	114	150 x 226 x 220	236
800	10	1202	99	150 x 226 x 220	245
	12	1202	99	150 x 226 x 220	255
	10	1302	114	150 x 226 x 220	251
	12	1302	114	150 x 226 x 220	261

Max. pressure for all pump models is 15 bars

HARDI INTERNATIONAL A/S reserves the right to change the specifications without notice.

Illustrations shown may include optional equipment and accessories.

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● The HARDI Concept

Customer requirements

Since the founding of HARDI in 1957, the Company's basic philosophy has been: Every user his own sprayer.

Throughout the world we have daily, either through our dealers or directly, been in contact with farmers who make high demands on our products.

Quality and durability are logical demands from users, but simple construction and sophistication are also user's priority requirements

A wide range of products, used very professionally all over the world, requires an extremely flexible and efficient service organization.

That sprayers are sold at the right price and are capable of precision work is a natural result of farmers' needs.

Product development

Close contact with farmers, chemical companies and research institutions provides the environment which creates new thinking within design and application technology. Advanced technology and very extensive testing fulfil the customer's demand for products developed for the future.



Production

The HARDI production facilities in several countries maintain HARDI's level of production know-how at the highest level. Highly motivated staff all over the world, in a friendly working environment, produce high quality products in factories where efficiency and precision are the key words.



Information and education

Practical knowledge from the field is demanded from HARDI staff who prepare instruction books and data on spraying techniques. Today HARDI wants the user to have this information on video, too.

It is very important to HARDI to be able to educate all groups involved in plant protection. Not only the farmer and the engineer who is designing the sprayers but also everybody else in the supply chain.

We are extremely proud of our know-how, and show it gladly at exhibitions and symposia but preferably at practical demonstrations for users.

Environment and safety

HARDI's aim is to apply crop protection chemicals where needed in an environmentally responsible and safe way.

We want to be able to set the standard for use of pesticides and fertilizers.



We can and will have an influence on safety of users and environmentally correct spraying.

New products

HARDI's very active participation in improved spraying techniques brings about a need for new products too. The METPOLE® - a radio weather station - and the HARDI SPRAY SCANNER, which tests the sprayer's precision work, are just two examples of HARDI leading the way.

