## User instruction book





## For Hosereel irrigator





Rev: 001 - 01/2006

 Read this instructions for use imperatively before installing and to put in service this device.
 You will protect yourselves thus and will avoid to damage your device.

The manufacturer cannot be held for person responsible of the damages due to the failure to respect of the prescriptions of security and the warnings.

- The general and specific data, as well as the drawings and reproductions are only produced to title indicative.







	- Thank you for purchasing an IRRIMEC Water-Reel							
	<ul> <li>Read This Manual carefully to learn how to operate and service your Water-Reel properly. Failure to do so can result in personal injury and-or property damage.</li> </ul>							
	This manual is a permanent part of your Water-Reel and should always be available for reference by the operator. This manual should remain with the Water-Reel when it is sold.							
- preamble	- Measurements in this manual are in metric units unless otherwise noted.							
	- Turbine side and Chain side sides of the Water-Reel are determined by the side of the machine where the fluid enters.							
	- The Serial Number of your machine should be written in the space provided in the specification section of this manual.							
	- If You Have A Problem of if you do not understand some feature of this equipment, contact your IRRIMEC dealer.							
	- Warranty is provided as part of the IRRIMEC product support. Please see specific warranty statement in this manual.							
-The warranty exclude:	- Alterations or modification not previously approved. Neither IRRIMEC dealers or representatives are authorized to make exceptions to warranty policy. Any deviations from standard warranty requires written authorization from an officer of IRRIMEC Irrigation tube which is longer, larger in diameter, or made from approved materials will void the warranty on the entire machine.							
	- Damage caused by normal wear, accident, lack of reasonable care and maintenance, neglect or abuse.							
	- The replacement cost of normal service items such as belts, gaskets, brake bands, etc. Unless these parts are know to be defective.							
	- Transporting, mailing, service call, diagnosis costs. Labor for repairs is also excluded unless unusual circumstances exist and then only if pre-approved.							

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- Important:

- The owner is responsible for the safe operation of this product. The important safeguards and instructions appearing in this manual are not meant to cover all possible conditions and situations that may occur. It must be understood that common sense and caution are factors that cannot be built into any product. These factors must be supplied by the person(s) caring for and operating the product. The manufacturer cannot be held for responsible of the damages due to the failure to respect of the prescriptions of security and warnings.

- 1) Read and understand these instructions before installing and to put in service this device. You will protect yourselves thus and will avoid to damage your device.

Responsibilities of the user

- 2) Operate the machine according to prescribed limitations.
- 3) Properly train others who may be permitted to operate the machine. If this machine is used by a third person, or if it is lent, either rented sold, ALWAYS to provide the manual as well as the formation on the necessary security before use.
- 4) Heed rules of safety, including but not limited to those in these instructions. To familiarize themselves with all regulations and local laws. To know the laws and the regulations applicable to the zone.
- 5) Exercise good judgement relating to safe operation and safe conduct by operators and spectators whether invited or not.
- 6) Always bring the safety decals and placards on the machine to the attention of operators and spectators.
- 7) the descriptions and the features contained in this manual are in force at the time of the stake under press. The equipment describes in this manual can be in option. Some illustrations are not able to not to apply to the machine. The general and specific data, as well as the drawings and reproductions are only produced for information only.

- 8) Keep All Guards and Shields In Place.



- Important recommendations with bodily risk:



Important recommendations with bodily risk

- Do not approach the hands of the points of pinch: Between the tube PE and the machine, the parts in movements as the legs of stabilizations, all hydraulic activation as well as the displacement with the tractor.



- Stay away from the piéceses in rotation: Still stop the machine and push the hosedrum on the anti-return key before to change report of pulleys. Ever to intervene on the belt during the working.

- Stay away from the mechanism:

Pay attention to the chains kinematics and mechanism in rotation, not to execute, of handlings on a machine in working or with the tube under tension

- Never Operate this machine with safety guards removed: Do not put large clothes, ties, chains, watches that can himself, to take in the parts in movement of the hosereel.







<ul> <li>Recommendations with danger bodily: (continuation)</li> </ul>	<ul> <li><u>- Do not approach the feet of mobile</u></li> <li>Ever to approach the feet of the whe</li> <li>Or of the stabilizing legs during their use</li> </ul>			
	Stay away the children and all other hold the children counterparts aside t especially allow in the phases of disp	no one no allow during the worki he working and all other no one no lacement and investment.	ing. )	
APPLICATION	Never service or make adjustment w It is necessary before each adjustmer Slowly remove tension on the drive b the anti-return pawl.	<u>hile the PET tube is in tension:</u> ht to execute the following: elt to allow hose drum to ret again	st	***
	Attention to the hose under pressure Assure yourselves that the conducts of before to disconnect. If the hosereel i to remain more pressure. Ever to ma be under pressure. To stop the pump some handling or regulating that it is.	2: of water are not anymore coins press s plugged again, inside the tube F, ke handlings when the hosereel of food before proceeding to	essure ART it can	
- Recommendations with the trolley	<u>Use caution to the fast return of the</u> During the irrigation stay away from t	<u>gun:</u> the trolley.		
A DANIGAR		<u>Use caution to the direction of the</u> Verify that it is there no high-tense electric device on the trajectory of the winding. as well as of the no or all other construction that the p could damage	ne throw: sion line or all oth f the spray of wa one, animals, d oressure of the t	ner ater during welling, hrow
- Recommendations when towing:	Use caution to the slant of the hoser Do not use on slopes of more than 1	ax		
-terneter	<u>Use caution when towing:</u> Towing speed: - 10 Km/h maxi,um on smooth s - 5 Km/h maximum on rough su	surface. rface.	10	
	Respect the highway code: Respect the laws and the road codes and use your water-reel.	s of the country or you displace		



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Length of PE hose









Page 07



It is recommended to till or mow vegetation if the tube adhesion is very high soil. (Ex: pea, soy or beets ...)

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- The tachometer:	<ul> <li>to read speed, in meter / hot the tube PET.</li> <li>The reading speed is done intersection between the new representing the whorl on w follow the curve until speed is account-meter.</li> </ul>	by finding edle and t hich is the nearest w	f rolling up g the point he curve tube PET ritten on th	of to te	4 30 100 120 50 100 100 100 100 100 100 100 1	50 60 150 200 Turbimec							
	For a speed of - Unrolled, the - Rolled up, the	20 m/h needle is e needle is	in position s in position	20 n 13					Mea hos	ean se-r an tl e-re	that eel i hat 1 el is	the s un he rolli	rolleo ng uj
OPERATI	ON []	Depht C	ion book si3 Of WAter										
Depht of water	- The depth of water app ground (Pic.17). It is also	lied by the affected	e hoseReel by the am	is regulat ount of w	ted by the ater being	e speed th g discharg	ne sp ied b	rinkle y the	er m e sp	iovir rinkl	ig ov er h	/er t ead	he
hosereel	Your hosereel is an <u>St5 110 TG 380:</u>				Describerto	1		St5	110	TG	380		
Hosereel data	<ul> <li>Gun is RANGER</li> <li>with Ø28 for nozzle</li> <li>your turbine pressure gauge is on 9 bar</li> <li>The travel speed is 20 m/h</li> </ul>	Boccaglio Buse Nozzle (mm) 24 26	Pressione boccaglio Pression buse Nozzle pressure (bar) 2 3 4 5 5 2 3 4 5 5 2 3 4 5 5 5	Portata Debit Flow (m /h) 32 39 45 51 37 46 53 59	Pressione ingresso Pression entree Inlet pressure (bar) 3 4,3 5,5 6,8 3,2 4,6 5,9 7,2	Striscie Ecartement Spacing (m) 56 66 75 82 63 70 78 87 87	10 57 59 60 62 58 65 67 67	Pluvio Pluvio Deph 20 28 29 30 31 29 32 33 33 33	ometria ometrie t of wa 19 19 20 20 19 21 22 22	e en (m ater in 40 14 14 15 15 14 16 16 16	m) 1m) (mm) 50 11 11 12 12 11 13 13 13 13	60 9 9 10 10 9 10 11 11	
Depht of water	<ul> <li>Note that the application rate is 40 mm.</li> <li>The amount of water</li> </ul>	30 32	3 5 6 4 5 6 4 5 6 7	53 62 69 76 61 71 79 87 81 90 99 107	4,9 6,3 9,1 5,3 6,8 8,3 9,8 7,4 9 10,7	75 82 88 94 78 85 92 97 88 97 88 95 100 105	70 75 78 80 78 83 85 89 92 94 99 101	35 37 39 40 39 41 42 44 46 47 49 50	23 25 26 26 27 28 29 30 31 33 33	17 18 19 20 21 22 23 23 24 25	14 15 15 16 17 17 18 18 19 20	11 12 13 13 13 13 14 14 14 15 15 16 16	rancement / winding speed
Choose the nozzle	discharged is determined by the sprinkler nozzle size and the water pressure. These two factors are determined by the available water and the capability of	34	4 5 6 7	91 102 112 121	8,1 9,9	90 97 104 109	101 105 107 111	50 52 53 55	33 35 35 37	25 26 26 27	20 21 21 22	16 17 17 18	tà d'avvolgimento / vitesse d'av
	the water pump at the water supply. The selection of the sprinkler nozzle needs to be made based on the water supply and pump performance - After the nozzle has been so the travel speed settings to	elected, t	he "depth desired de	of water"	decal on ater. See t	the mach he examp	ine c	an b	be us	sed	to d	eter	mine



- The speed

- several factors intervene:

- The ESC (Electronic Speed Control))

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<u>[]</u>] Warranty

- Irrimec especially recalls several points in reference to the general conditions of sale. - 1) The IRRIMEC Hosereel is guaranteed for the duration of an irrigation season from the startup date which must be specified on the warranty CARD supplied by the retailer and turned over to IRRIMEC within 8 days after the startup. - Hosereel - 2) The IRRIMEC Guarantee covers all the mechanical parts of the machine against defect in design, manufacture or material. All damages coming from misuse conditions mentioned in paragraph 5 hereafter are not covered. - 3) The polyethylene tube accompanying the IRRIMEC Hosereel is completely guaranteed for 3 years from startup and covers any manufacturing or material defect other than the - PE hose damage which has occurred during transport, misuse or bad adjustments of the Hosereel. -4) IRRIMEC guarantees to replace deficient or faulty material after the verification and agreement by a representative of IRRIMEC. IRRIMEC reserves the right to choose the method and timing of delivery of replacement material. - 5) conditions of use: Above all, immediately read "The User Instruction Book". Refer to the "instruction of use" decals on the machine cover. Maintain minimum operating pressure according to the types of machine and nature of the soil conditions (see technical information.) Maximum machine pressure is 10 bars. - Conditions Maximum coefficient of friction is 0,8 of use Maximum PE hose unwinding 3Km/h without sudden starts & stops. The hose is always winding in live with the spool. Maximum road speed is 10Km/h Maximum angle of rear wheels is 10% The hose retention shut off bar according to the user instruction book.

- IMPORTANT: Any transformation or modification machine without the authorization of IRRIMEC and consent its Engineering Department voids our conditions of guarantee.









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