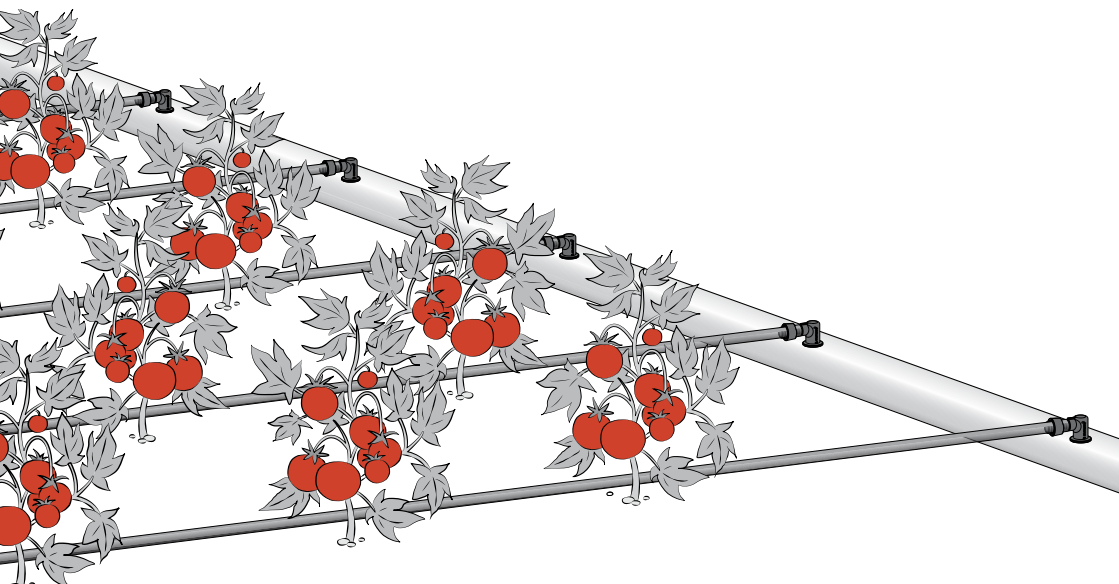


# NETAFIM™ FLEXIBLE PIPES

## FLEXNET™ AND FLEXNET™ HP

### OPERATION/HANDLING MANUAL

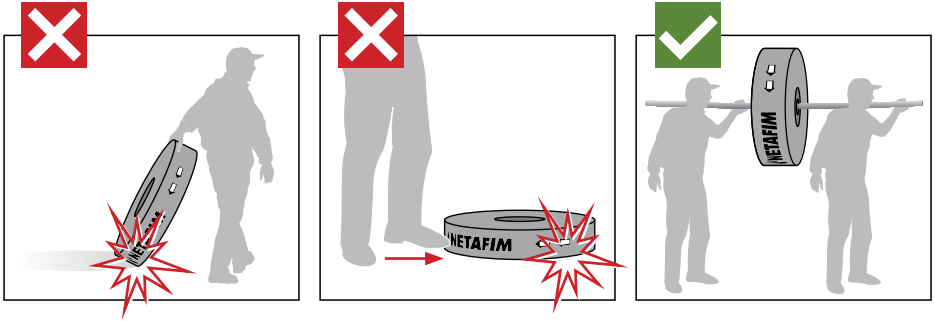


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# FlexNet™ handling - Step by step

## 1. Coil transportation

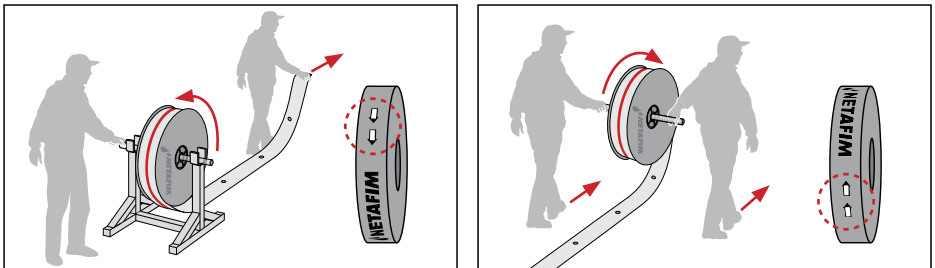
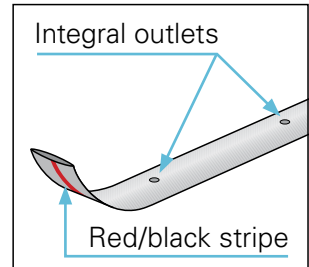


### When transporting the coils before deployment:

- To avoid damage (especially to coil edges), be sure not to drag the coils on the ground.
- When moving the coils in the field, carry them as shown above.

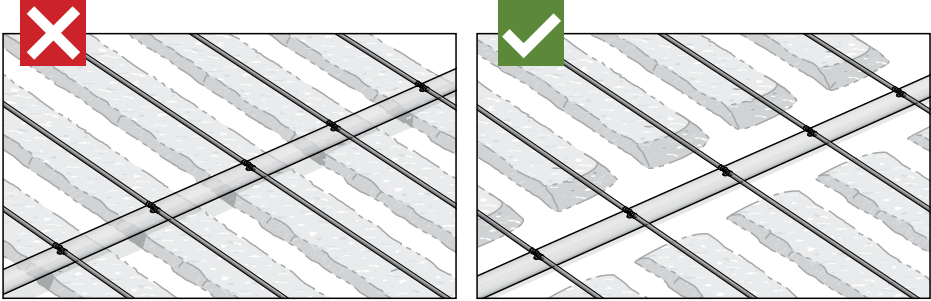
## 2. Pipe deployment

- When deploying the pipe, be sure that the red/black stripe under the pipe faces the ground and the integral outlets face up.
- It is recommended to keep the coil label for traceability and warranty purposes.



- Make sure to load the coil with the arrows in the direction of deployment.
- **In windy conditions** do not leave deployed pipes empty on the ground. If deployed pipes cannot be filled immediately, partially cover them with soil (a small mound every 2 meters) avoiding pipe integral outlets, or secure them to the ground with pronged poles.

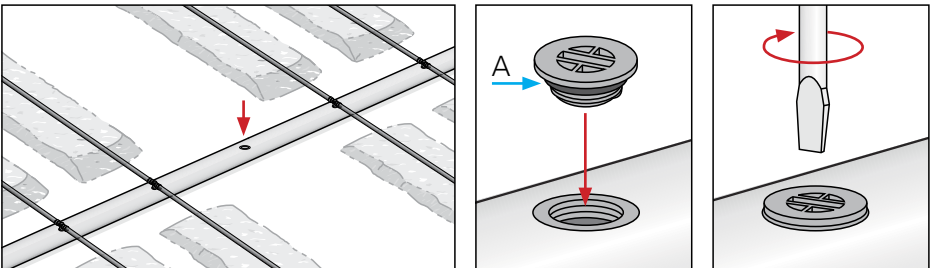
### 3. Surface preparation before deployment



- Before deploying the pipe, prepare a shallow ditch in which to lay the FlexNet™ pipe.
- The pipe should be supported by the ground and not raised above the surface between beds.

### 4. Pipe outlet plugging

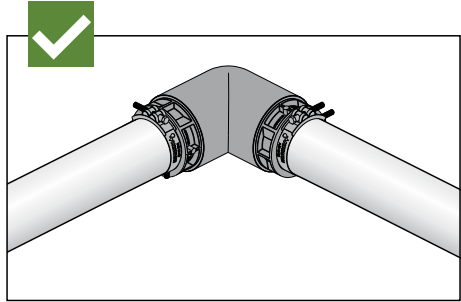
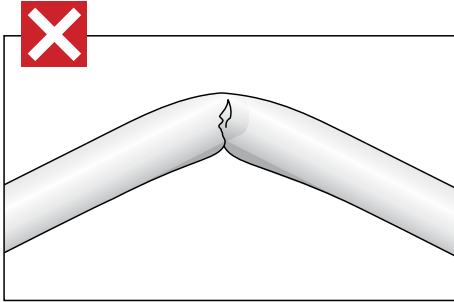
- In cases that require plugging the FlexNet™ welded outlets, please make sure to use specially designed Netafim™ 1/2" threaded flat plugs (Cat. No. 42000-027100).
- The plug is equipped with a rubber O-ring (A) that ensures reliable sealing without Teflon.
- The shallow profile of the FlexNet™ flat plug allows recoiling and storage of the pipe without damaging it. The plug is flat so it doesn't damage the inside of the pipe.



- Screw the flat plug with a flat-blade screwdriver. Make sure it is inserted straight. If leaking occurs, loosen and retighten forcefully.

## 5. Pipe bending

- Never bend/fold a pipe under pressure.
- Minimum bend radius is 5 m (16.5 feet).

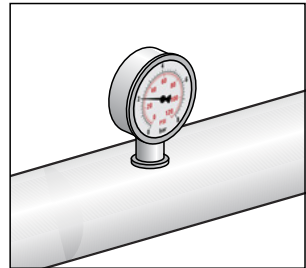


### If a sharp bend of the pipe is needed:

- Use an elbow to avoid kinks and folds in the pipe.

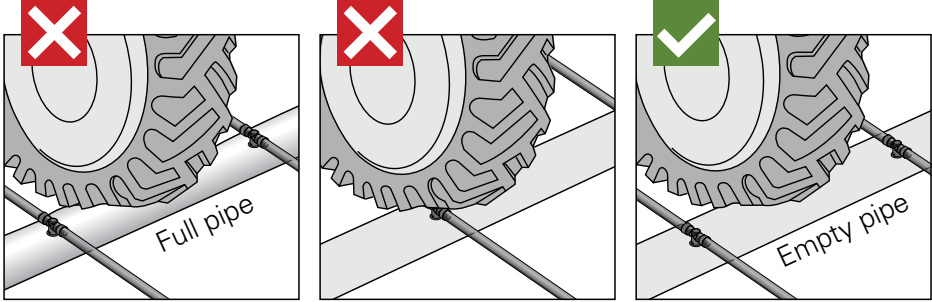
## 6. Nominal pipe operating pressure

- If the inlet pressure is higher than the FlexNet™ maximum operating pressure, pressure regulators and pressure relief valves should be used.



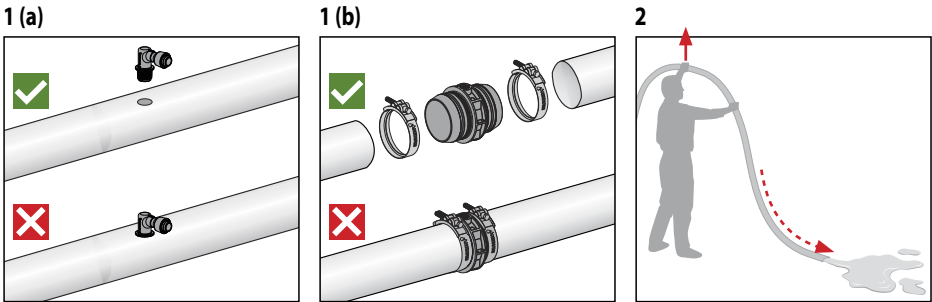
Pipe diameter		Maximum operating pressure			
		FlexNet™		FlexNet™ HP	
inch	mm	bar	PSI	bar	PSI
2	51	2.5	36.3	3.0	43.5
3	78	2.0	29.0	3.0	43.5
4	102	1.7	24.7	3.0	43.5
5	129	1.5	22.0	N/A	N/A
6	163	1.4	20.3	2.2	31.9
8	209	1.0	14.5	1.5	21.8
10	260	0.8	11.6		
12	320	0.65	9.4		

## 7. Driving precautions



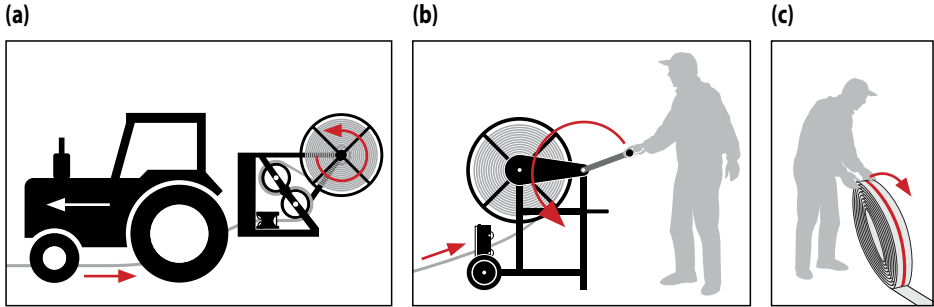
- An agricultural vehicle can drive over the pipe without damaging it as long as the pipe is **not** filled with water and the vehicle does not drive directly over the integral outlets.
- Do not drive over the pipe if the soil is wet or if there are sharp objects underneath it.

## 8. Preparations before recoiling



1. Disassemble all start connectors (a), and any coupling connectors (b) along the pipe.
2. Empty the pipe of water.

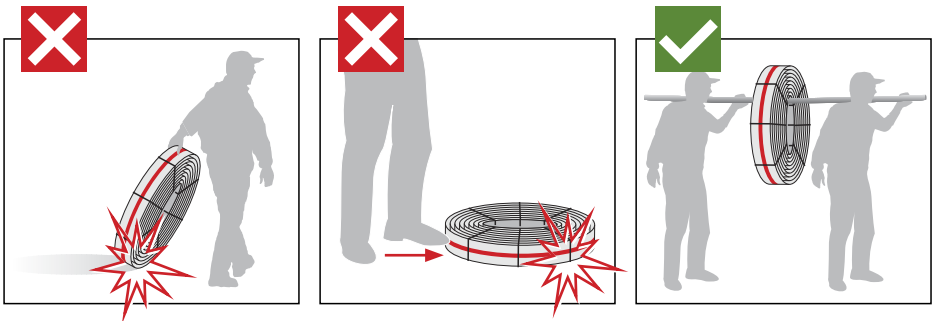
## 9. Recoiling



- Whether using a hydraulic (a) or hand-operated recoiler (b), make sure to use a 4" (110mm) diameter core (possibly use a 110mm PVC pipe).
- It is recommended to use Netafim's recoiling solutions.
- Manual recoiling (c) is also possible, though time-consuming.
- It is recommended to mark the pipes for easier deployment at the next crop cycle.

## 10. Repackaging and transportation

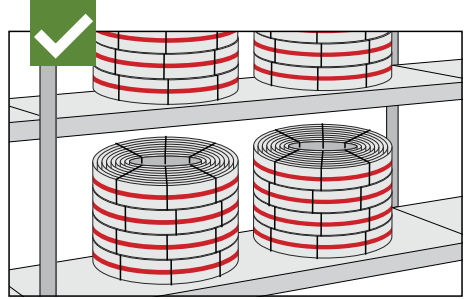
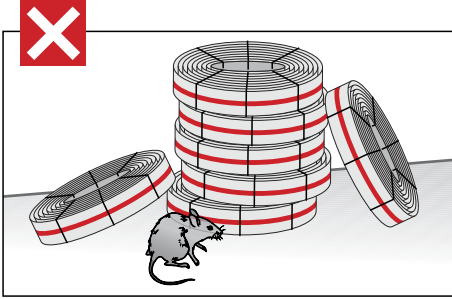
- It is recommended to tie the coils and stretch-wrap them before storing them in the warehouse.



### When transporting coils of pipe after recoiling:

- To avoid damage (especially to coil edges), be sure not to drag the coils on the ground.
- When moving the coils in the field, carry them as shown above.

## 11. Storage



- Store the coils of pipe on a shelf in a rodent-free environment.
- Make sure to stack the coils of pipe neatly.