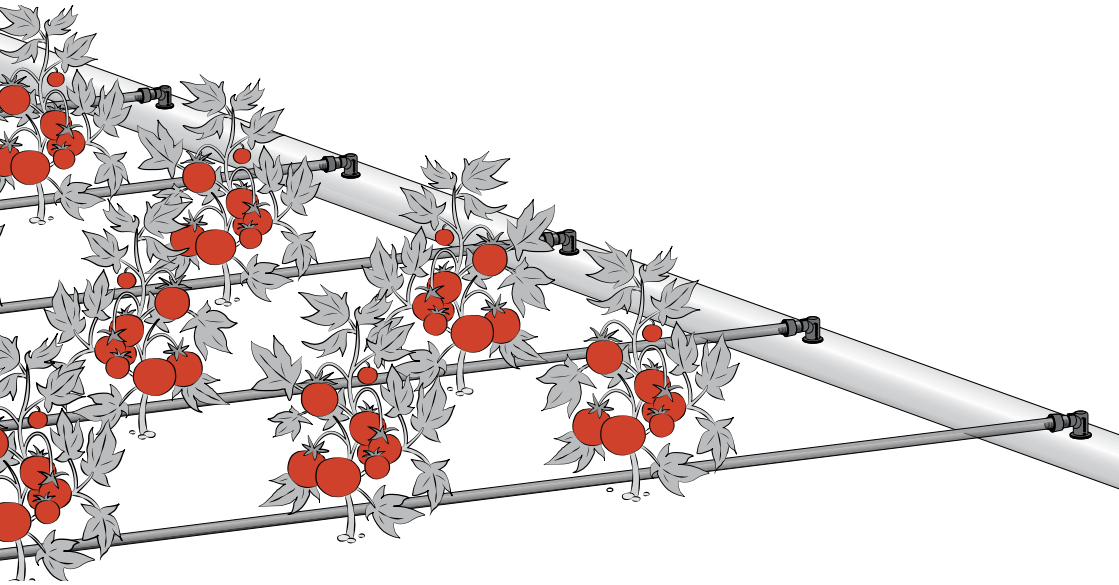
NETAFIM™ FLEXIBLE PIPES

FLEXNET™ AND FLEXNET™ HP

OPERATION/HANDLING MANUAL



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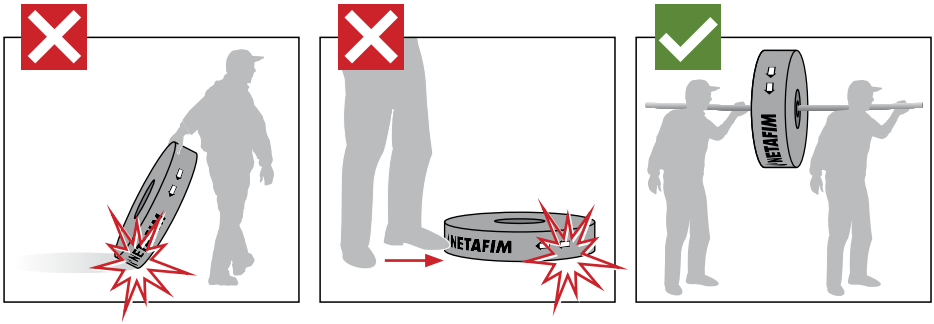
FlexNet™ handling - Step by step

1. Coil transportation

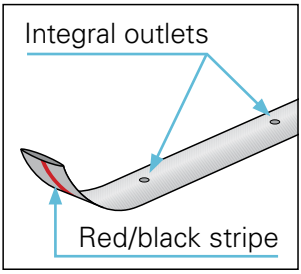


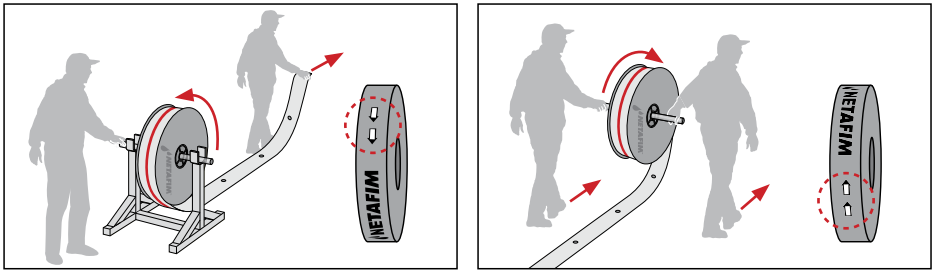
When transporting the coils before deployment:

- 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

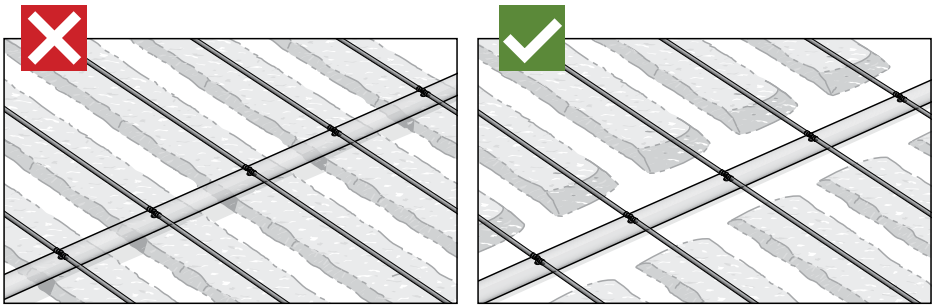
- When deploying the pipe, be sure that the red/black stripe under the pipe faces the ground and the integral outlets face up.
- It is recommended to keep the coil label for traceability and warranty purposes.





- 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.

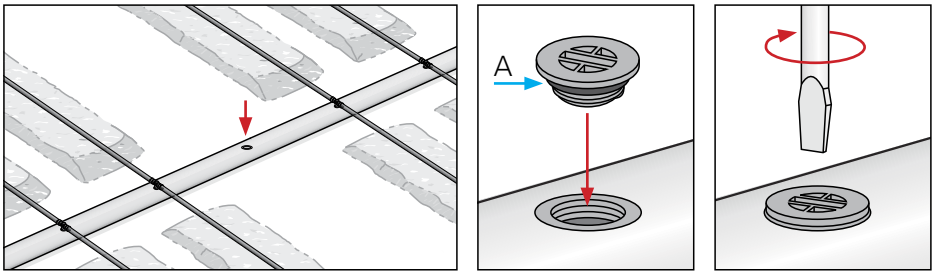
3. Surface preparation before deployment



- 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

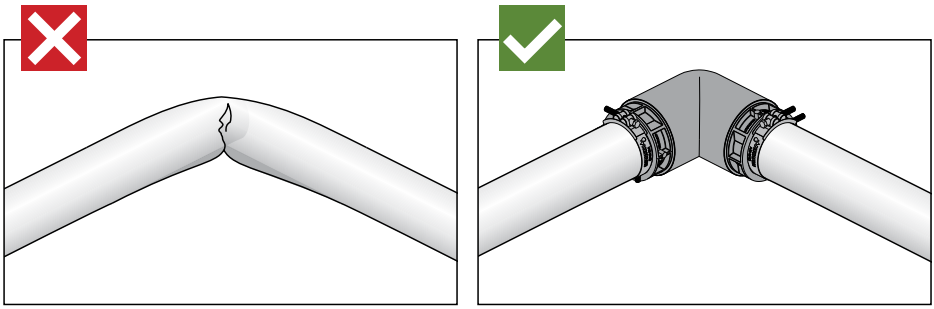
- In cases that require plugging the FlexNet™ welded outlets, please make sure to use specially designed Netafim™ 1/2" threaded flat plugs (Cat. No. 42000-027100).
- The plug is equipped with a rubber O-ring (A) that ensures reliable sealing without Teflon.
- The shallow profile of the FlexNet™ flat 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).

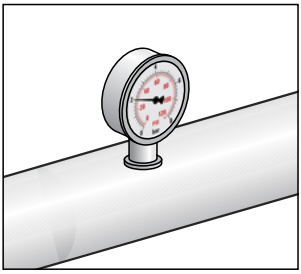


If a sharp bend of the pipe is needed:

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

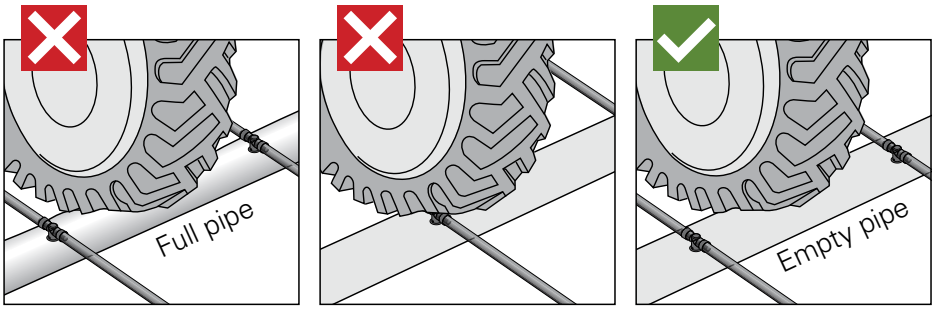
6. Nominal pipe operating pressure

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



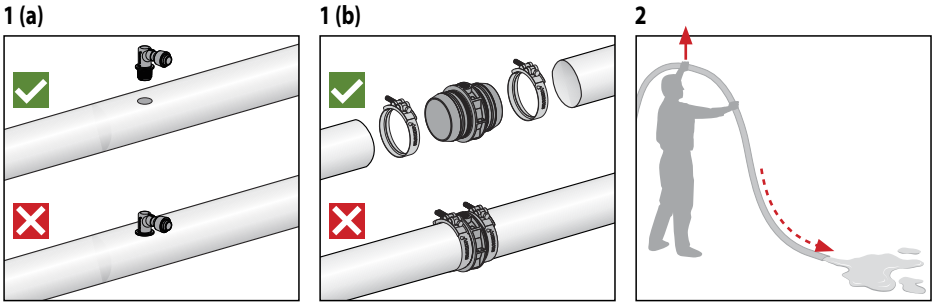
Pipe diameter		Maximum operating pressure			
		FlexNet™		FlexNet™ HP	
inch	mm	bar	PSI	bar	PSI
2	51	2.5	36.3	3.0	43.5
3	78	2.0	29.0	3.0	43.5
4	102	1.7	24.7	3.0	43.5
5	129	1.5	22.0	N/A	N/A
6	163	1.4	20.3	2.2	31.9
8	209	1.0	14.5	1.5	21.8
10	260	0.8	11.6		
12	320	0.65	9.4		

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.

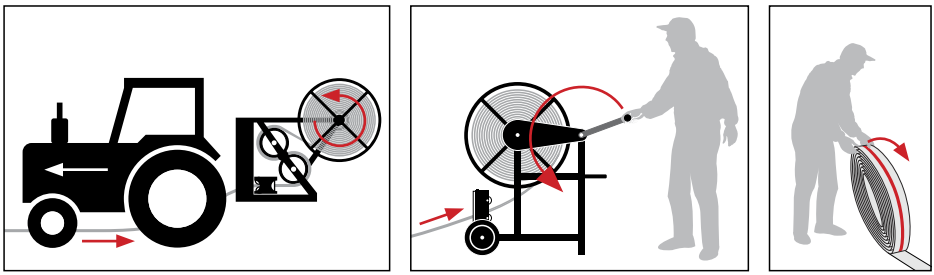
8. Preparations before recoiling



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

9. Recoiling

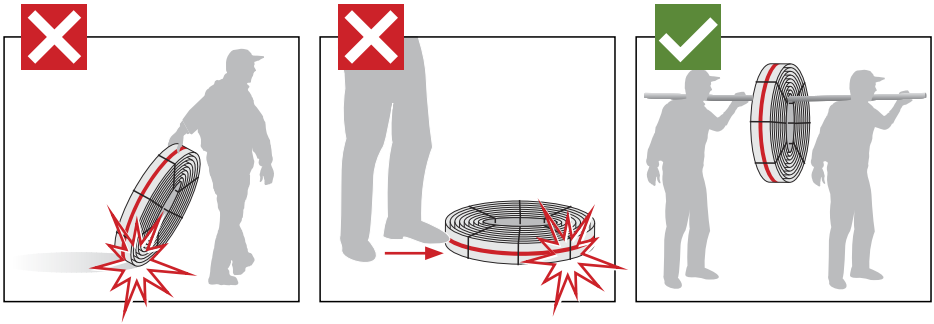
(a) (b) (c)



- 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

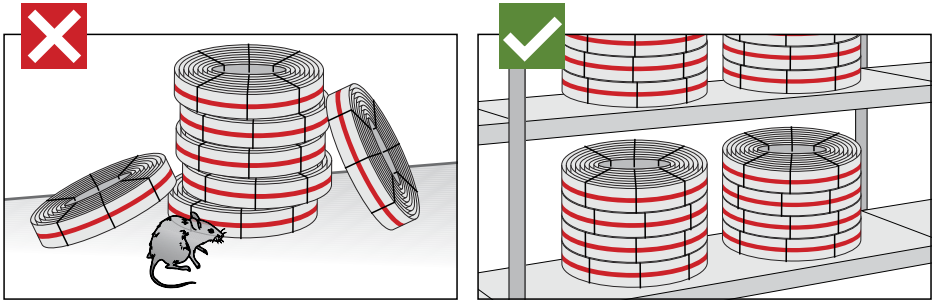
- It is recommended to tie the coils and stretch-wrap them before storing them in the warehouse.



When transporting coils of pipe after recollection:

- 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.