

## MAGNUM Ideal Frost-Free Ribbon

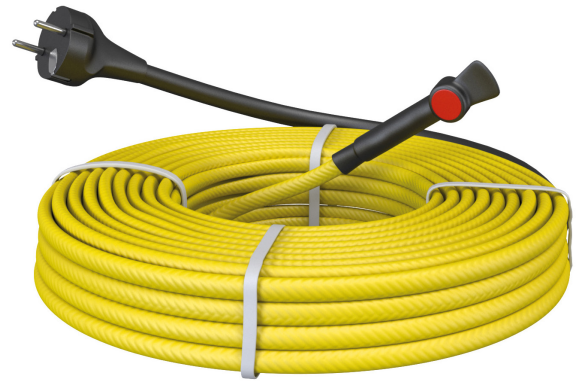
### Ideal Frost-Free Ribbon

In many situations, outdoor taps and pipes are shut off in winter to prevent freezing and damage. MAGNUM offers a much simpler solution: with MAGNUM Ideal frost-free ribbon, frozen and burst water pipes are definitely a thing of the past! The MAGNUM Ideal range has been specially designed to keep (water) pipes, taps, drains, etc. frost-free.

Freezing problems can easily be prevented by installing a frost-free ribbon, ready to plug in and with automatic thermostat, along the pipe. Then, fitted with pipe insulation, this application not only provides safety, but also prevents additional and unnecessary costs from water damage. When installed on plastic piping, it must first be completely wrapped in aluminium tape before the cable can be applied.

MAGNUM Ideal frost-free ribbons are ready to use (with a 2 metre long connecting cable and earthed plug) and equipped with temperature control through bi-metal. MAGNUM Ideal frost-free ribbons are available in lengths from 1 to 48 metres. The ribbon switches on at a temperature below +5°C and switches off automatically if the temperature of the pipe exceeds +13°C.

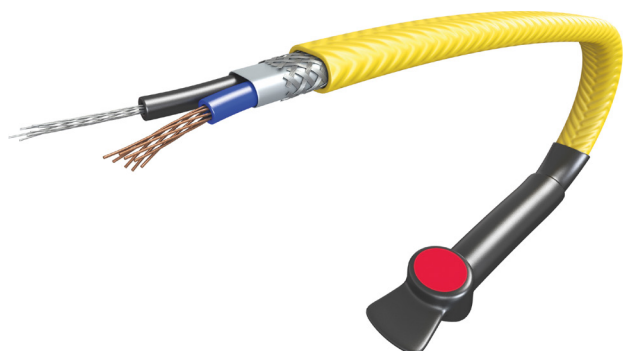
The heating ribbon must never be placed directly on a PVC pipe, the PVC pipe must first be covered with aluminium tape for proper heat conduction.



### Specifications

System type	Outdoor
Dimensions	1 m to 48 m
Power	10 Watt per metre
Connection voltage	230 V/50Hz
Certification	VDE, CE, Kema, IPX7
Warranty	2 year





## Technical details

- Power 10 Watt per metre length / 230V
- Connection cable 2 metres with earthed plug
- Class IPX7

### Installation methods

MAGNUM Ideal can be easily attached to the pipes using aluminium tape or plastic ties (tiewraps). When installed on plastic piping, it should first be completely wrapped with aluminium tape before the cable can be applied. MAGNUM Ideal should always be used in combination with (polyethylene) pipe insulation with a minimum wall thickness of 10 mm. This for optimal protection and insulation, so that an energy-efficient operation is guaranteed.

### Package content

- Ready to switch heating cable with built-in, bi-metal thermostat.
- Installation instructions
- PVC-Tape

### Warranty

MAGNUM Ideal frost-free ribbon has a 2 year guarantee on the electrical function of the cable.

Calculate the required cable length here:

Max. pipe diameter	15mm	20mm	25mm	30mm	40mm	50mm	100mm
Application method	Protection factor of the water supply:						
Linear (along pipe)	-30 °C	-30 °C	-25 °C	-20 °C	-15 °C	-10 °C	-5 °C
10 windings per m.	--	--	-30 °C	-30 °C	-25 °C	-25 °C	-20 °C
20 windings per m.	--	--	--	--	-30 °C	-30 °C	-30 °C
Calculate the cable	Length of pipe times:						
10 windings per m (x)	1,25	1,50	1,75	2	2,25	2,5	4
20 windings per m (x)	2	2,25	2,50	2,75	3,25	4	8

Art.nr.	Description	Length	Power	Volt
155001	MAGNUM Ideal frost-free ribbon	1 m	10 Watt	230V
155002	MAGNUM Ideal frost-free ribbon	2 m	20 Watt	230V
155004	MAGNUM Ideal frost-free ribbon	4 m	40 Watt	230V
155006	MAGNUM Ideal frost-free ribbon	6 m	60 Watt	230V
155008	MAGNUM Ideal frost-free ribbon	8 m	80 Watt	230V
155010	MAGNUM Ideal frost-free ribbon	10 m	100 Watt	230V
155014	MAGNUM Ideal frost-free ribbon	14 m	140 Watt	230V
155018	MAGNUM Ideal frost-free ribbon	18 m	180 Watt	230V
155022	MAGNUM Ideal frost-free ribbon	22 m	220 Watt	230V
155026	MAGNUM Ideal frost-free ribbon	26 m	260 Watt	230V
155030	MAGNUM Ideal frost-free ribbon	30 m	300 Watt	230V
155034	MAGNUM Ideal frost-free ribbon	34 m	340 Watt	230V
155040	MAGNUM Ideal frost-free ribbon	40 m	400 Watt	230V
155048	MAGNUM Ideal frost-free ribbon	48 m	480 Watt	230V