



## Commercial Electric Trace Heating

*For Frost Protection and Temperature Maintenance.*

### Freeze Protection of Pipes

*Wintergard.*

230V frost protection for pipework at a maximum of 65°C operating temperature.

Ref	Specification
FSA2X	10w/m @ 5°C
FSB2X	26w/m @ 5°C



230V frost protection for pipework at a maximum of 95°C operating temperature and temperature maintenance for metal waste pipes containing fatty waste water.

Ref	Specification
FSC2X	31w/m @ 5°C
	22w/m @ 40°C

### Heater Selection

*Frost protection up to minus 20°C.*

Pipe Dia > (mm)	15	22	28	35	42	54	67	76	108	125	150	200
(inches)	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"
Insulation Thickness (mm)												
10mm	FS-A-2X	FS-B-2X	FS-B-2X	FS-B-2X	FS-B-2X	FS-B-2X	FS-B-2X	FS-B-2X				
15mm	FS-A-2X	FS-A-2X	FS-A-2X	FS-B-2X	FS-B-2X	FS-B-2X	FS-B-2X	FS-B-2X	FS-B-2X	FS-B-2X		
20mm	FS-A-2X	FS-A-2X	FS-A-2X	FS-A-2X	FS-A-2X	FS-B-2X	FS-B-2X	FS-B-2X	FS-B-2X	FS-B-2X	FS-B-2X	
25mm	FS-A-2X	FS-A-2X	FS-A-2X	FS-A-2X	FS-A-2X	FS-A-2X	FS-B-2X	FS-B-2X	FS-B-2X	FS-B-2X	FS-B-2X	FS-B-2X
30mm	FS-A-2X	FS-A-2X	FS-A-2X	FS-A-2X	FS-A-2X	FS-A-2X	FS-A-2X	FS-B-2X	FS-B-2X	FS-B-2X	FS-B-2X	FS-B-2X
40mm	FS-A-2X	FS-A-2X	FS-A-2X	FS-A-2X	FS-A-2X	FS-A-2X	FS-A-2X	FS-A-2X	FS-B-2X	FS-B-2X	FS-B-2X	FS-B-2X
50mm	FS-A-2X	FS-A-2X	FS-A-2X	FS-A-2X	FS-A-2X	FS-A-2X	FS-A-2X	FS-A-2X	FS-A-2X	FS-B-2X	FS-B-2X	FS-B-2X

*Frost protection cables FS-A-2X and FS-B-2X are suitable for any pipe material (metal or plastic) without restriction.*

*For plastic pipes, please use aluminium adhesive tape AT180. The frost protection cable should be covered over its entire length.*