

Stokes

Appliance Parts
Domestic Commercial Industrial



**STAINLESS STEEL
FINNED ELEMENTS**

This catalogue has been compiled specifically for the air conditioning industry and to bring your attention to the service the industrial division at Stokes Appliance Parts (formally known as Stokes Synertec) can offer.

The following pages illustrate our standard range of products available, including a detailed technical section to help in selecting the most efficient element or system for your given application.

The company has developed from its modest beginnings in 1856, to become the industry leader in the production of heating elements. Our success can be attributed to our technical expertise, manufacturing skill, management know-how, and the excellent support we receive from our many customers throughout Australia and around the world.

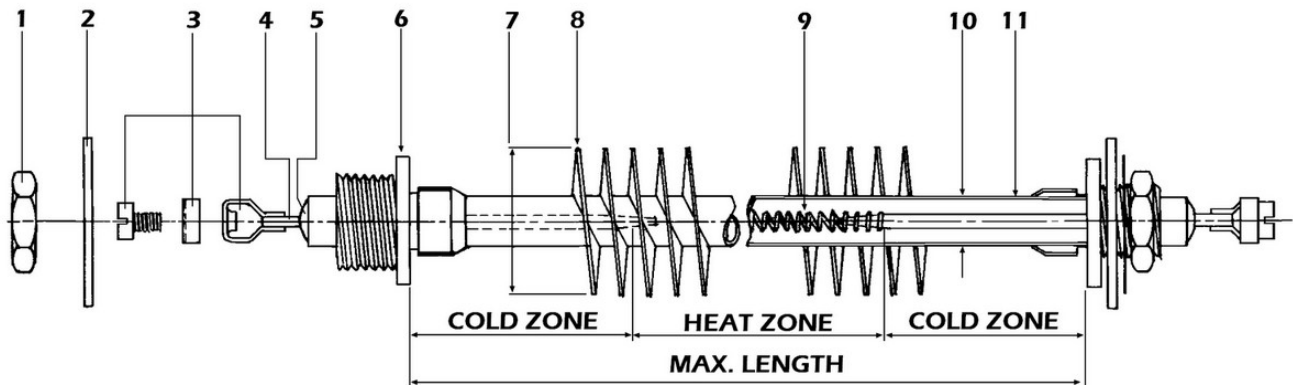
The industrial division of Stokes Appliance Parts specialises in the design and supply of finned and unfinned tubular heating elements.

Our products are used across a wide range of domestic and industrial applications and our organisation has the technical capability to help you fulfil your heating requirements with high quality equipment, properly selected and applied.

Stokes can supply fully assembled duct heaters from a comprehensive range of standard elements and flanged terminal boxes.



FINNED ELEMENT SPECIFICATIONS



1. Brass $\frac{3}{8}$ " BSP Locknut.
2. Stainless steel flat washer.
3. Stainless steel terminal, includes screw and washer.
4. Steel terminal pin.
5. High quality seal to prevent ingress of moisture.
6. Brass press on $\frac{3}{8}$ " BSP bushes.
7. Fin diameter - 31.0mm O.D.
8. Continuous wound stainless steel fins assure excellent heat transfer and help prevent fin vibration at high air velocities.
9. Nickel chrome helix wire
10. Heavy duty stainless steel tube sheath (11mm)
11. Stamped Cat. No., wattage and voltage.
12. Cold Zone: Standard length 70mm.

Maximum length: Based on straight length (6500mm).

Maximum operating temperature of standard elements = 100°C in air.

Maximum voltage: 480V

Wattage tolerance: $\pm 10\%$

(All dimensions specified are nominal.)

Please contact Stokes for special wattages, operating temperatures, voltage, forms or lengths.
(Minimum order quantities of 48pcs apply.)

All product specifications are current at the date of issue of this publication. However, specifications may occasionally change and therefore Stokes advises purchasers to check that this publication correctly describes the products offered.

STAINLESS STEEL FINNED ELEMENTS 11mm SERIES (46.5kW per sq. metre)

Stokes Stainless Steel Finned Elements have been designed for harsh environments.

The element sheath temperature will not exceed 400°C air with an ambient temp. of 20°C and a minimum air flow of 1.0m/s

THIS RANGE COMPLIES WITH AS 1668.1 AND AS 3102 (BLACK HEAT)

Typical applications

- Coastal regions
- Computer rooms
- Hospitals
- Clean rooms
- High temperature ovens
- Resistive load banks
- Drying moisture laden air

U FORM

| 240 volt | CAT No. 220 volt | 200 volt | Watts | Dim.A (mm) | Kg. |
|-------------|------------------------|-------------|-------|---------------|------|
| 4061-U | 4021-U | 4041-U | 600 | 230 | .4 |
| 4062-U | 4022-U | 4042-U | 750 | 280 | .5 |
| 4063-U | 4023-U | 4043-U | 1000 | 380 | .6 |
| 4064-U | 4024-U | 4044-U | 1250 | 430 | .75 |
| 4065-U | 4025-U | 4045-U | 1500 | 535 | 1.0 |
| 4066-U | 4026-U | 4046-U | 1750 | 580 | 1.0 |
| 4067-U | 4027-U | 4047-U | 2000 | 670 | 1.25 |
| 4068-U | 4028-U | 4048-U | 2250 | 770 | 1.4 |
| 4069-U | 4029-U | 4049-U | 2500 | 830 | 1.5 |
| 4070-U | 4030-U | 4050-U | 2750 | 925 | 1.75 |
| 4071-U | 4031-U | 4051-U | 3000 | 980 | 1.8 |
| 4072-U | 4032-U | 4052-U | 3500 | 1165 | 2.1 |
| 4073-U | 4033-U | 4053-U | 4000 | 1280 | 2.3 |
| 4074-U | 4034-U | 4054-U | 4500 | 1470 | 2.6 |
| 4075-U | 4035-U | 4055-U | 5000 | 1580 | 2.9 |

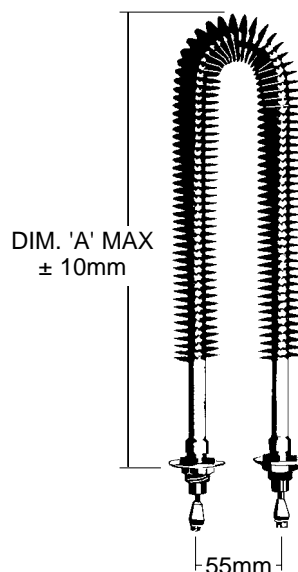
W FORM

| 240 volt | CAT No. 220 volt | 200 volt | WATTS | DIM.A (mm) | Kg. |
|-------------|------------------------|-------------|-------|---------------|------|
| 4062-W | 4022-W | 4042-W | 750 | 155 | .5 |
| 4063-W | 4023-W | 4043-W | 1000 | 205 | .6 |
| 4064-W | 4024-W | 4044-W | 1250 | 235 | .75 |
| 4065-W | 4025-W | 4045-W | 1500 | 285 | 1.0 |
| 4066-W | 4026-W | 4046-W | 1750 | 310 | 1. |
| 4067-W | 4027-W | 4047-W | 2000 | 365 | 1.25 |
| 4068-W | 4028-W | 4048-W | 2250 | 400 | 1.4 |
| 4069-W | 4029-W | 4049-W | 2500 | 435 | 1.5 |
| 4070-W | 4030-W | 4050-W | 2750 | 480 | 1.75 |
| 4071-W | 4031-W | 4051-W | 3000 | 510 | 1.7 |
| 4072-W | 4032-W | 4052-W | 3500 | 600 | 2.1 |
| 4073-W | 4033-W | 4053-W | 4000 | 660 | 2.3 |
| 4074-W | 4034-W | 4054-W | 4500 | 755 | 2.6 |
| 4075-W | 4035-W | 4055-W | 5000 | 810 | 2.9 |

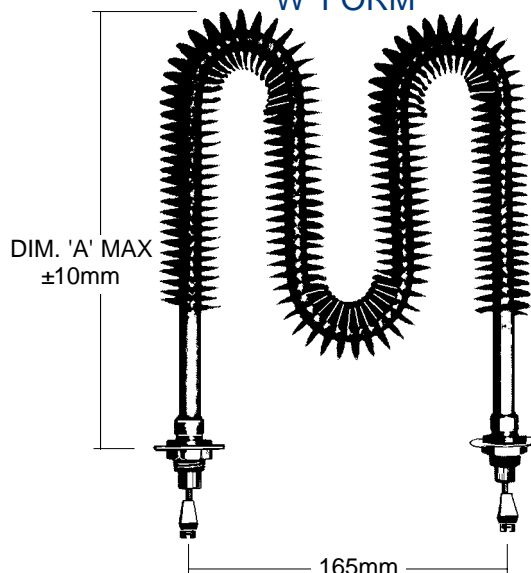
Advantages

- High corrosion resistance
- High temperature operation
(consult factory on operating temp.)
- Universal application

'U' FORM



'W' FORM



STAINLESS STEEL FINNED ELEMENTS 11mm SERIES (46.5kW per sq. metre)

Stokes Stainless Steel Finned Elements have been designed for harsh environments.

The element sheath temperature will not exceed 400°C air with an ambient temp. of 20°C and a minimum air flow of 1.0m/s

THIS RANGE COMPLIES WITH AS 1668.1 AND AS 3102 (BLACK HEAT)

Typical applications

- Coastal regions
- Computer rooms
- Hospitals
- Clean rooms
- High temperature ovens
- Resistive load banks
- Drying moisture laden air

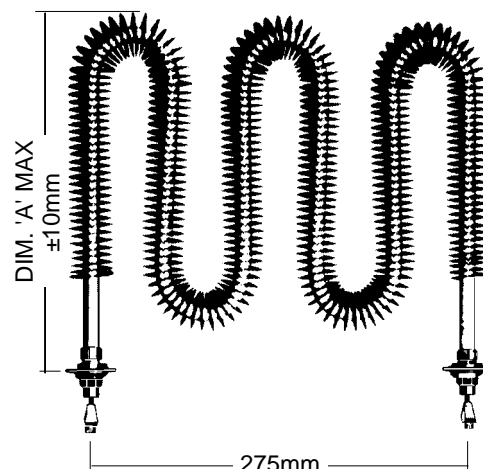
MULTI FORM

| 240 volt | CAT No. 220 volt | 200 volt | Watts (mm) | Dim.A | Kg. |
|-------------|------------------------|-------------|---------------|-------|------|
| 4065-X | 4025-X | 4045-X | 1500 | 200 | 1.0 |
| 4066-X | 4026-X | 4046-X | 1750 | 215 | 1.0 |
| 4067-X | 4027-X | 4047-X | 2000 | 250 | 1.25 |
| 4068-X | 4028-X | 4048-X | 2250 | 280 | 1.4 |
| 4069-X | 4029-X | 4049-X | 2500 | 300 | 1.5 |
| 4070-X | 4030-X | 4050-X | 2750 | 330 | 1.75 |
| 4071-X | 4031-X | 4051-X | 3000 | 350 | 1.8 |
| 4072-X | 4032-X | 4052-X | 3500 | 410 | 2.1 |
| 4073-X | 4033-X | 4053-X | 4000 | 450 | 2.3 |
| 4074-X | 4034-X | 4054-X | 4500 | 515 | 2.6 |
| 4075-X | 4035-X | 4055-X | 5000 | 550 | 2.9 |

Advantages

- High corrosion resistance
- High temperature operation
(consult factory on operating temp.)
- Universal application

'MULTI' FORM



Please refer to technical specifications on page 6. Note: 200V & 220V are special order only (MOQ 48pcs).

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STAINLESS STEEL FINNED ELEMENTS 11mm SERIES (60.0kW per sq. metre)

Stokes Stainless Steel Finned Elements have been designed for harsh environments.

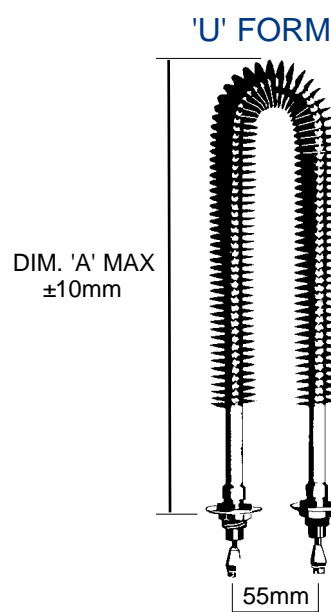
The element sheath temperature will not exceed 400°C air with an ambient temp. of 20°C and a minimum air flow of 1.5m/s

THIS RANGE COMPLIES WITH AS 1668.1 AND AS 3102 (BLACK HEAT)

Note: Mild Steel versions are superseded and left for cross reference only.

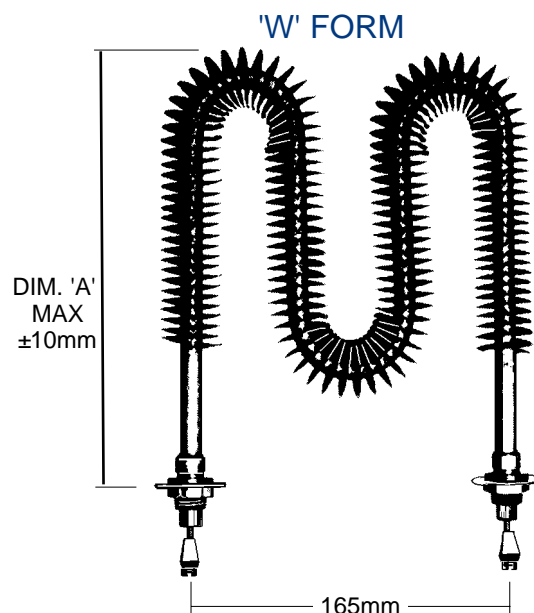
'U' FORM 240 volts

| CAT. No. | | Watts | Dim.A (mm) | Kg |
|-------------------|--------------------|-------|---------------|-----|
| Mild Steel NLA | Stainless Steel | | | |
| 4171-U | 4471-U | 750 | 228 | .4 |
| 4172-U | 4472-U | 1000 | 283 | .5 |
| 4173-U | 4473-U | 1250 | 348 | .6 |
| 4174-U | 4474-U | 1500 | 408 | .7 |
| 4175-U | 4475-U | 1750 | 460 | .8 |
| 4176-U | 4476-U | 2000 | 528 | 1.0 |
| 4177-U | 4477-U | 2500 | 639 | 1.2 |
| 4178-U | 4478-U | 3000 | 748 | 1.4 |
| 4179-U | 4479-U | 3500 | 860 | 1.5 |
| 4180-U | 4480-U | 4000 | 975 | 1.8 |
| 4181-U | 4481-U | 4500 | 1110 | 2.1 |
| 4182-U | 4482-U | 5000 | 1237 | 2.3 |
| 4183-U | 4483-U | 6000 | 1455 | 2.6 |



W FORM 240 volts

| CAT. No. | | Watts | Dim.A (mm) | Kg |
|-------------------|--------------------|-------|---------------|-----|
| Mild Steel NLA | Stainless Steel | | | |
| 4172-W | 4472-W | 1000 | 154 | .5 |
| 4173-W | 4473-W | 1250 | 184 | .6 |
| 4174-W | 4474-W | 1500 | 218 | .7 |
| 4175-W | 4475-W | 1750 | 240 | .8 |
| 4176-W | 4476-W | 2000 | 278 | 1.0 |
| 4177-W | 4477-W | 2500 | 334 | 1.2 |
| 4178-W | 4478-W | 3000 | 384 | 1.4 |
| 4179-W | 4479-W | 3500 | 439 | 1.5 |
| 4180-W | 4480-W | 4000 | 500 | 1.8 |
| 4181-W | 4481-W | 4500 | 569 | 2.1 |
| 4182-W | 4482-W | 5000 | 632 | 2.3 |
| 4183-W | 4483-W | 6000 | 738 | 2.5 |



STAINLESS STEEL FINNED ELEMENTS 11mm SERIES (60.0kW per sq. metre)

Stokes Stainless Steel Finned Elements have been designed for harsh environments.

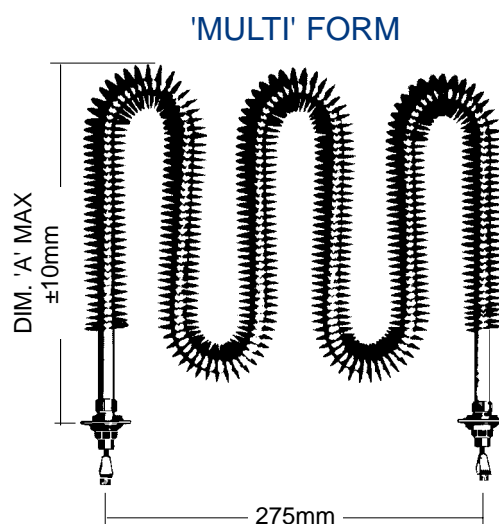
The element sheath temperature will not exceed 400°C air with an ambient temp. of 20°C and a minimum air flow of 1.5m/s

THIS RANGE COMPLIES WITH AS 1668.1 AND AS 3102 (BLACK HEAT)

Note: Mild Steel versions are superceded and left for cross reference only.

MULTI FORM 240 volts

| CAT. No. | | Watts | Dim.A (mm) | Kg |
|-------------------|--------------------|-------|---------------|-----|
| Mild Steel NLA | Stainless Steel | | | |
| 4176-X | 4476-X | 2000 | 198 | 1.0 |
| 4177-X | 4477-X | 2500 | 237 | 1.2 |
| 4178-X | 4478-X | 3000 | 273 | 1.4 |
| 4179-X | 4479-X | 3500 | 311 | 1.5 |
| 4180-X | 4480-X | 4000 | 349 | 1.8 |
| 4181-X | 4481-X | 4500 | 394 | 2.1 |
| 4182-X | 4482-X | 5000 | 436 | 2.3 |
| 4183-X | 4483-X | 6000 | 509 | 2.6 |



Please refer to technical specifications on page 6. Note: Mild Steel no longer available, cross reference only.

All product specifications are current at the date of issue of this publication. However, specifications may occasionally change and therefore Stokes advises purchasers to check that this publication correctly describes the products offered.

STAINLESS STEEL FINNED ELEMENTS 11mm SERIES (93.0kW per sq. metre)

Stokes Stainless Steel Finned Elements have been designed for harsh environments.

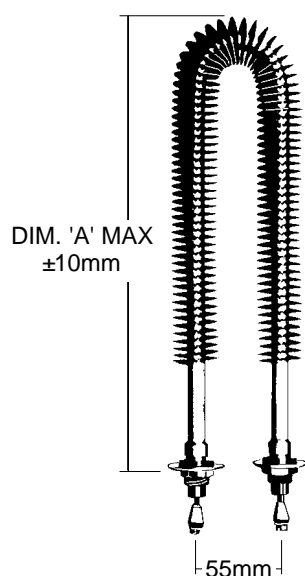
The element sheath temperature will not exceed 400°C air with an ambient temp. of 20°C and a minimum air flow of 2.8m/s

THIS RANGE COMPLIES WITH AS 1668.1 AND AS 3102 (BLACK HEAT)

'U' FORM

| CAT. No. | | Watts | Dim.A (mm) | Kg. |
|-------------|-------------|-------|---------------|------|
| 240 Volt | 200 Volt | | | |
| 2321-U | 2881-U | 1000 | 230 | .5 |
| 2322-U | 2882-U | 1200 | 230 | .5 |
| 2323-U | 2883-U | 1500 | 280 | .6 |
| 2324-U | 2884-U | 2000 | 380 | .8 |
| 2325-U | 2885-U | 2500 | 430 | .9 |
| 2326-U | 2886-U | 3000 | 536 | 1.0 |
| 2327-U | 2887-U | 3500 | 580 | 1.1 |
| 2328-U | 2888-U | 4000 | 670 | 1.25 |
| 2329-U | 2889-U | 5000 | 844 | 1.6 |
| 2305-U | 2890-U | 6000 | 980 | 1.9 |

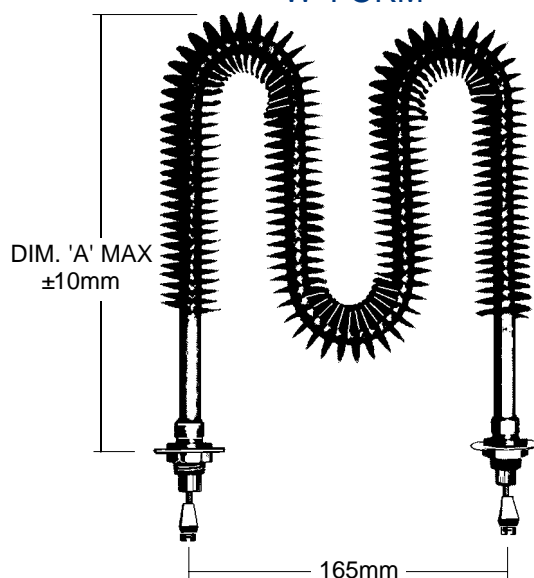
'U' FORM



W FORM

| CAT. No. | | Watts | Dim.A mm | Kg. |
|-------------|-------------|-------|-------------|------|
| 240 Volt | 200 Volt | | | |
| 2323-W | 2883-W | 1500 | 155 | .6 |
| 2324-W | 2884-W | 2000 | 209 | .8 |
| 2325-W | 2885-W | 2500 | 234 | .9 |
| 2326-W | 2886-W | 3000 | 287 | 1.0 |
| 2327-W | 2887-W | 3500 | 309 | 1.1 |
| 2328-W | 2888-W | 4000 | 354 | 1.25 |
| 2329-W | 2889-W | 5000 | 440 | 1.6 |
| 2305-W | 2890-W | 6000 | 509 | 1.9 |

'W' FORM



STAINLESS STEEL FINNED ELEMENTS 11mm SERIES (93.0kW per sq. metre)

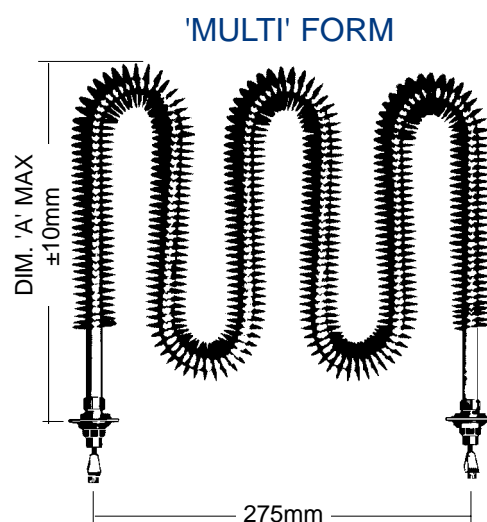
Stokes Stainless Steel Finned Elements have been designed for harsh environments.

The element sheath temperature will not exceed 400°C air with an ambient temp. of 20°C and a minimum air flow of 2.8m/s

THIS RANGE COMPLIES WITH AS 1668.1 AND AS 3102 (BLACK HEAT)

MULTI FORM

| CAT. No. | | Watts | Dim.A (mm) | Kg. |
|-------------|-------------|-------|---------------|------|
| 240 Volt | 200 Volt | | | |
| 2326-X | 2886-X | 3000 | 200 | 1.0 |
| 2327-X | 2887-X | 3500 | 215 | 1.1 |
| 2328-X | 2888-X | 4000 | 248 | 1.25 |
| 2329-X | 2889-X | 5000 | 306 | 1.6 |
| 2305-X | 2890-X | 6000 | 352 | 1.9 |



Please refer to technical specifications on page 6. Note: 200V are special order only (MOQ 48pcs).

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STAINLESS STEEL FINNED ELEMENTS 11mm SERIES (124.0kW per sq. metre)

Stokes Stainless Steel Finned Elements have been designed for harsh environments.

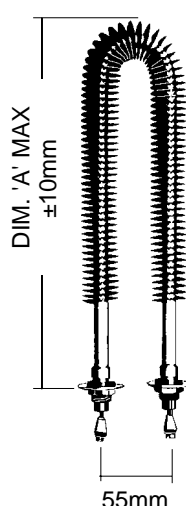
The element sheath temperature will not exceed 400°C air with an ambient temp. of 20°C and a minimum air flow of 3.0m/s

THIS RANGE COMPLIES WITH AS 1668.1 AND AS 3102 (BLACK HEAT)

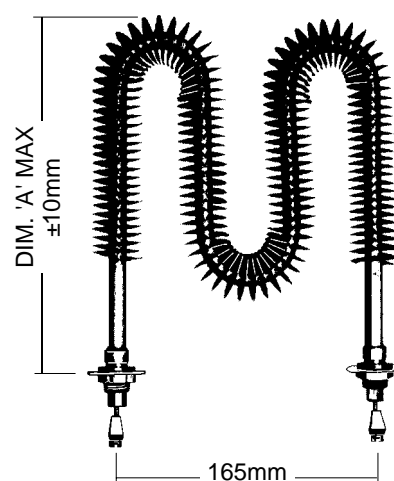
'U' FORM

| CAT. No. 240 Volt | Watts | Dim.A (mm) | Kg |
|-------------------------|-------|---------------|-----|
| 2350-U | 1000 | 200 | .4 |
| 2351-U | 1500 | 230 | .5 |
| 2352-U | 2000 | 282 | .6 |
| 2353-U | 2500 | 330 | .65 |
| 2354-U | 3000 | 400 | .7 |
| 2355-U | 4000 | 530 | 1.0 |
| 2356-U | 5000 | 670 | 1.2 |
| 2357-U | 6000 | 801 | 1.4 |

'U' FORM



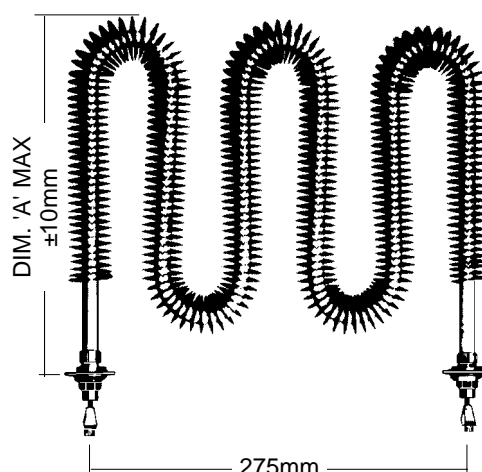
'W' FORM



W FORM

| CAT. No. 240 Volt | Watts | Dim.A (mm) | Kg |
|-------------------------|-------|---------------|-----|
| 2352-W | 2000 | 155 | .4 |
| 2353-W | 2500 | 185 | .5 |
| 2354-W | 3000 | 219 | .7 |
| 2355-W | 4000 | 283 | 1.0 |
| 2356-W | 5000 | 353 | 1.2 |
| 2357-W | 6000 | 419 | 1.4 |

'MULTI' FORM



MULTI FORM

| CAT. No. 240 Volt | Watts | Dim.A (mm) | Kg |
|-------------------------|-------|---------------|-----|
| 2355-X | 4000 | 200 | 1.0 |
| 2356-X | 5000 | 278 | 1.2 |
| 2357-X | 6000 | 320 | 1.4 |

Please refer to technical specifications on page 6.

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