



# Magnum™ Cartridge Heaters

closing the loop on thermal solutions

## STANDARD CARTRIDGE HEATERS

| Diameter               | Length | Wattage | Voltage | Style | Leads Length | Part Numbers      |
|------------------------|--------|---------|---------|-------|--------------|-------------------|
| 1/4" (0.246" ± 0.002") | 1"     | 80      | 120     | F1    | 12"          | DSW-4D010F1-00802 |
| 1/4" (0.246" ± 0.002") | 1"     | 100     | 120     | F1    | 12"          | DSW-4D010F1-01002 |
| 1/4" (0.246" ± 0.002") | 1"     | 80      | 240     | F1    | 12"          | DSW-4D010F1-00805 |
| 1/4" (0.246" ± 0.002") | 1"     | 100     | 240     | F1    | 12"          | DSW-4D010F1-01005 |
| 1/4" (0.246" ± 0.002") | 1"     | 80      | 120     | B1    | 15"          | DSW-4D010B1-00802 |
| 1/4" (0.246" ± 0.002") | 1"     | 100     | 120     | B1    | 15"          | DSW-4D010B1-01002 |
| 1/4" (0.246" ± 0.002") | 1"     | 80      | 240     | B1    | 15"          | DSW-4D010B1-00805 |
| 1/4" (0.246" ± 0.002") | 1"     | 100     | 240     | B1    | 15"          | DSW-4D010B1-01005 |
| 1/4" (0.246" ± 0.002") | 1"     | 80      | 120     | C1    | 15"          | DSW-4D010C1-00802 |
| 1/4" (0.246" ± 0.002") | 1"     | 100     | 120     | C1    | 15"          | DSW-4D010C1-01002 |
| 1/4" (0.246" ± 0.002") | 1"     | 80      | 240     | C1    | 15"          | DSW-4D010C1-00805 |
| 1/4" (0.246" ± 0.002") | 1"     | 100     | 240     | C1    | 15"          | DSW-4D010C1-01005 |
| 1/4" (0.246" ± 0.002") | 1.5"   | 100     | 120     | F1    | 12"          | DSW-4D01HF1-01002 |
| 1/4" (0.246" ± 0.002") | 1.5"   | 150     | 120     | F1    | 12"          | DSW-4D01HF1-01502 |
| 1/4" (0.246" ± 0.002") | 1.5"   | 200     | 120     | F1    | 12"          | DSW-4D01HF1-02002 |
| 1/4" (0.246" ± 0.002") | 1.5"   | 100     | 240     | F1    | 12"          | DSW-4D01HF1-01005 |
| 1/4" (0.246" ± 0.002") | 1.5"   | 150     | 240     | F1    | 12"          | DSW-4D01HF1-01505 |
| 1/4" (0.246" ± 0.002") | 1.5"   | 200     | 240     | F1    | 12"          | DSW-4D01HF1-02005 |
| 1/4" (0.246" ± 0.002") | 1.5"   | 100     | 120     | B1    | 15"          | DSW-4D01HB1-01002 |
| 1/4" (0.246" ± 0.002") | 1.5"   | 150     | 120     | B1    | 15"          | DSW-4D01HB1-01502 |
| 1/4" (0.246" ± 0.002") | 1.5"   | 200     | 120     | B1    | 15"          | DSW-4D01HB1-02002 |
| 1/4" (0.246" ± 0.002") | 1.5"   | 100     | 240     | B1    | 15"          | DSW-4D01HB1-01005 |
| 1/4" (0.246" ± 0.002") | 1.5"   | 150     | 240     | B1    | 15"          | DSW-4D01HB1-01505 |
| 1/4" (0.246" ± 0.002") | 1.5"   | 200     | 240     | B1    | 15"          | DSW-4D01HB1-02005 |
| 1/4" (0.246" ± 0.002") | 1.5"   | 100     | 120     | C1    | 15"          | DSW-4D01HC1-01002 |
| 1/4" (0.246" ± 0.002") | 1.5"   | 150     | 120     | C1    | 15"          | DSW-4D01HC1-01502 |
| 1/4" (0.246" ± 0.002") | 1.5"   | 200     | 120     | C1    | 15"          | DSW-4D01HC1-02002 |
| 1/4" (0.246" ± 0.002") | 1.5"   | 100     | 240     | C1    | 15"          | DSW-4D01HC1-01005 |
| 1/4" (0.246" ± 0.002") | 1.5"   | 150     | 240     | C1    | 15"          | DSW-4D01HC1-01505 |
| 1/4" (0.246" ± 0.002") | 1.5"   | 200     | 240     | C1    | 15"          | DSW-4D01HC1-02005 |
| 1/4" (0.246" ± 0.002") | 2"     | 125     | 120     | F1    | 12"          | DSW-4D020F1-01252 |
| 1/4" (0.246" ± 0.002") | 2"     | 150     | 120     | F1    | 12"          | DSW-4D020F1-01502 |
| 1/4" (0.246" ± 0.002") | 2"     | 200     | 120     | F1    | 12"          | DSW-4D020F1-02002 |
| 1/4" (0.246" ± 0.002") | 2"     | 250     | 120     | F1    | 12"          | DSW-4D020F1-02502 |
| 1/4" (0.246" ± 0.002") | 2"     | 125     | 240     | F1    | 12"          | DSW-4D020F1-01255 |
| 1/4" (0.246" ± 0.002") | 2"     | 150     | 240     | F1    | 12"          | DSW-4D020F1-01505 |
| 1/4" (0.246" ± 0.002") | 2"     | 200     | 240     | F1    | 12"          | DSW-4D020F1-02005 |
| 1/4" (0.246" ± 0.002") | 2"     | 250     | 240     | F1    | 12"          | DSW-4D020F1-02505 |
| 1/4" (0.246" ± 0.002") | 2"     | 125     | 120     | B1    | 15"          | DSW-4D020B1-01252 |
| 1/4" (0.246" ± 0.002") | 2"     | 150     | 120     | B1    | 15"          | DSW-4D020B1-01502 |
| 1/4" (0.246" ± 0.002") | 2"     | 200     | 120     | B1    | 15"          | DSW-4D020B1-02002 |
| 1/4" (0.246" ± 0.002") | 2"     | 250     | 120     | B1    | 15"          | DSW-4D020B1-02502 |
| 1/4" (0.246" ± 0.002") | 2"     | 125     | 240     | B1    | 15"          | DSW-4D020B1-01255 |
| 1/4" (0.246" ± 0.002") | 2"     | 150     | 240     | B1    | 15"          | DSW-4D020B1-01505 |
| 1/4" (0.246" ± 0.002") | 2"     | 200     | 240     | B1    | 15"          | DSW-4D020B1-02005 |
| 1/4" (0.246" ± 0.002") | 2"     | 250     | 240     | B1    | 15"          | DSW-4D020B1-02505 |
| 1/4" (0.246" ± 0.002") | 2"     | 125     | 120     | C1    | 15"          | DSW-4D020C1-01252 |
| 1/4" (0.246" ± 0.002") | 2"     | 150     | 120     | C1    | 15"          | DSW-4D020C1-01502 |
| 1/4" (0.246" ± 0.002") | 2"     | 200     | 120     | C1    | 15"          | DSW-4D020C1-02002 |
| 1/4" (0.246" ± 0.002") | 2"     | 250     | 120     | C1    | 15"          | DSW-4D020C1-02502 |
| 1/4" (0.246" ± 0.002") | 2"     | 125     | 240     | C1    | 15"          | DSW-4D020C1-01255 |
| 1/4" (0.246" ± 0.002") | 2"     | 150     | 240     | C1    | 15"          | DSW-4D020C1-01505 |
| 1/4" (0.246" ± 0.002") | 2"     | 200     | 240     | C1    | 15"          | DSW-4D020C1-02005 |

Cartridge Heaters



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| Diameter               | Length | Wattage | Voltage | Style | Leads Length | Part Numbers      |
|------------------------|--------|---------|---------|-------|--------------|-------------------|
| 1/4" (0.246" ± 0.002") | 2"     | 250     | 240     | C1    | 15"          | DSW-4D020C1-02505 |
| 1/4" (0.246" ± 0.002") | 2.5"   | 200     | 120     | F1    | 12"          | DSW-4D02HF1-02002 |
| 1/4" (0.246" ± 0.002") | 2.5"   | 250     | 120     | F1    | 12"          | DSW-4D02HF1-02502 |
| 1/4" (0.246" ± 0.002") | 2.5"   | 200     | 240     | F1    | 12"          | DSW-4D02HF1-02005 |
| 1/4" (0.246" ± 0.002") | 2.5"   | 250     | 240     | F1    | 12"          | DSW-4D02HF1-02505 |
| 1/4" (0.246" ± 0.002") | 2.5"   | 200     | 120     | B1    | 15"          | DSW-4D02HB1-02002 |
| 1/4" (0.246" ± 0.002") | 2.5"   | 250     | 120     | B1    | 15"          | DSW-4D02HB1-02502 |
| 1/4" (0.246" ± 0.002") | 2.5"   | 200     | 240     | B1    | 15"          | DSW-4D02HB1-02005 |
| 1/4" (0.246" ± 0.002") | 2.5"   | 250     | 240     | B1    | 15"          | DSW-4D02HB1-02505 |
| 1/4" (0.246" ± 0.002") | 3"     | 100     | 120     | F1    | 12"          | DSW-4D030F1-01002 |
| 1/4" (0.246" ± 0.002") | 3"     | 200     | 120     | F1    | 12"          | DSW-4D030F1-02002 |
| 1/4" (0.246" ± 0.002") | 3"     | 250     | 120     | F1    | 12"          | DSW-4D030F1-02502 |
| 1/4" (0.246" ± 0.002") | 3"     | 300     | 120     | F1    | 12"          | DSW-4D030F1-03002 |
| 1/4" (0.246" ± 0.002") | 3"     | 100     | 240     | F1    | 12"          | DSW-4D030F1-01005 |
| 1/4" (0.246" ± 0.002") | 3"     | 200     | 240     | F1    | 12"          | DSW-4D030F1-02005 |
| 1/4" (0.246" ± 0.002") | 3"     | 250     | 240     | F1    | 12"          | DSW-4D030F1-02505 |
| 1/4" (0.246" ± 0.002") | 3"     | 300     | 240     | F1    | 12"          | DSW-4D030F1-03005 |
| 1/4" (0.246" ± 0.002") | 3"     | 100     | 120     | B1    | 15"          | DSW-4D030B1-01002 |
| 1/4" (0.246" ± 0.002") | 3"     | 200     | 120     | B1    | 15"          | DSW-4D030B1-02002 |
| 1/4" (0.246" ± 0.002") | 3"     | 250     | 120     | B1    | 15"          | DSW-4D030B1-02502 |
| 1/4" (0.246" ± 0.002") | 3"     | 300     | 120     | B1    | 15"          | DSW-4D030B1-03002 |
| 1/4" (0.246" ± 0.002") | 3"     | 100     | 240     | B1    | 15"          | DSW-4D030B1-01005 |
| 1/4" (0.246" ± 0.002") | 3"     | 200     | 240     | B1    | 15"          | DSW-4D030B1-02005 |
| 1/4" (0.246" ± 0.002") | 3"     | 250     | 240     | B1    | 15"          | DSW-4D030B1-02505 |
| 1/4" (0.246" ± 0.002") | 3"     | 300     | 240     | B1    | 15"          | DSW-4D030B1-03005 |
| 1/4" (0.246" ± 0.002") | 3"     | 100     | 120     | C1    | 15"          | DSW-4D030C1-01002 |
| 1/4" (0.246" ± 0.002") | 3"     | 200     | 120     | C1    | 15"          | DSW-4D030C1-02002 |
| 1/4" (0.246" ± 0.002") | 3"     | 250     | 120     | C1    | 15"          | DSW-4D030C1-02502 |
| 1/4" (0.246" ± 0.002") | 3"     | 300     | 120     | C1    | 15"          | DSW-4D030C1-03002 |
| 1/4" (0.246" ± 0.002") | 3"     | 100     | 240     | C1    | 15"          | DSW-4D030C1-01005 |
| 1/4" (0.246" ± 0.002") | 3"     | 200     | 240     | C1    | 15"          | DSW-4D030C1-02005 |
| 1/4" (0.246" ± 0.002") | 3"     | 250     | 240     | C1    | 15"          | DSW-4D030C1-02505 |
| 1/4" (0.246" ± 0.002") | 3"     | 300     | 240     | C1    | 15"          | DSW-4D030C1-03005 |
| 1/4" (0.246" ± 0.002") | 3.5"   | 300     | 120     | F1    | 12"          | DSW-4D03HF1-03002 |
| 1/4" (0.246" ± 0.002") | 3.5"   | 300     | 240     | F1    | 12"          | DSW-4D03HF1-03005 |
| 1/4" (0.246" ± 0.002") | 3.5"   | 300     | 120     | B1    | 15"          | DSW-4D03HB1-03002 |
| 1/4" (0.246" ± 0.002") | 3.5"   | 300     | 240     | B1    | 15"          | DSW-4D03HB1-03005 |
| 1/4" (0.246" ± 0.002") | 4"     | 200     | 120     | F1    | 12"          | DSW-4D040F1-02002 |
| 1/4" (0.246" ± 0.002") | 4"     | 265     | 120     | F1    | 12"          | DSW-4D040F1-02652 |
| 1/4" (0.246" ± 0.002") | 4"     | 300     | 120     | F1    | 12"          | DSW-4D040F1-03002 |
| 1/4" (0.246" ± 0.002") | 4"     | 200     | 240     | F1    | 12"          | DSW-4D040F1-02005 |
| 1/4" (0.246" ± 0.002") | 4"     | 265     | 240     | F1    | 12"          | DSW-4D040F1-02655 |
| 1/4" (0.246" ± 0.002") | 4"     | 300     | 240     | F1    | 12"          | DSW-4D040F1-03005 |
| 1/4" (0.246" ± 0.002") | 4"     | 200     | 120     | B1    | 15"          | DSW-4D040B1-02002 |
| 1/4" (0.246" ± 0.002") | 4"     | 265     | 120     | B1    | 15"          | DSW-4D040B1-02652 |
| 1/4" (0.246" ± 0.002") | 4"     | 300     | 120     | B1    | 15"          | DSW-4D040B1-03002 |
| 1/4" (0.246" ± 0.002") | 4"     | 200     | 240     | B1    | 15"          | DSW-4D040B1-02005 |
| 1/4" (0.246" ± 0.002") | 4"     | 265     | 240     | B1    | 15"          | DSW-4D040B1-02655 |
| 1/4" (0.246" ± 0.002") | 4"     | 300     | 240     | B1    | 15"          | DSW-4D040B1-03005 |
| 1/4" (0.246" ± 0.002") | 4"     | 200     | 120     | C1    | 15"          | DSW-4D040C1-02002 |
| 1/4" (0.246" ± 0.002") | 4"     | 265     | 120     | C1    | 15"          | DSW-4D040C1-02652 |
| 1/4" (0.246" ± 0.002") | 4"     | 300     | 120     | C1    | 15"          | DSW-4D040C1-03002 |
| 1/4" (0.246" ± 0.002") | 4"     | 200     | 240     | C1    | 15"          | DSW-4D040C1-02005 |

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## STANDARD CARTRIDGE HEATERS

| Diameter               | Length | Wattage | Voltage | Style | Leads Length | Part Numbers      |
|------------------------|--------|---------|---------|-------|--------------|-------------------|
| 1/4" (0.246" ± 0.002") | 4"     | 265     | 240     | C1    | 15"          | DSW-4D040C1-02655 |
| 1/4" (0.246" ± 0.002") | 4"     | 300     | 240     | C1    | 15"          | DSW-4D040C1-03005 |
| 1/4" (0.246" ± 0.002") | 4.5"   | 325     | 120     | F1    | 12"          | DSW-4D04HF1-03252 |
| 1/4" (0.246" ± 0.002") | 4.5"   | 325     | 240     | F1    | 12"          | DSW-4D04HF1-03255 |
| 1/4" (0.246" ± 0.002") | 4.5"   | 325     | 120     | B1    | 15"          | DSW-4D04HB1-03252 |
| 1/4" (0.246" ± 0.002") | 4.5"   | 325     | 240     | B1    | 15"          | DSW-4D04HB1-03255 |
| 1/4" (0.246" ± 0.002") | 5"     | 350     | 120     | F1    | 12"          | DSW-4D050F1-03502 |
| 1/4" (0.246" ± 0.002") | 5"     | 400     | 120     | F1    | 12"          | DSW-4D050F1-04002 |
| 1/4" (0.246" ± 0.002") | 5"     | 350     | 240     | F1    | 12"          | DSW-4D050F1-03505 |
| 1/4" (0.246" ± 0.002") | 5"     | 400     | 240     | F1    | 12"          | DSW-4D050F1-04005 |
| 1/4" (0.246" ± 0.002") | 5"     | 350     | 120     | B1    | 15"          | DSW-4D050B1-03502 |
| 1/4" (0.246" ± 0.002") | 5"     | 400     | 120     | B1    | 15"          | DSW-4D050B1-04002 |
| 1/4" (0.246" ± 0.002") | 5"     | 350     | 240     | B1    | 15"          | DSW-4D050B1-03505 |
| 1/4" (0.246" ± 0.002") | 5"     | 400     | 240     | B1    | 15"          | DSW-4D050B1-04005 |
| 1/4" (0.246" ± 0.002") | 6"     | 300     | 120     | F1    | 12"          | DSW-4D060F1-03002 |
| 1/4" (0.246" ± 0.002") | 6"     | 400     | 120     | F1    | 12"          | DSW-4D060F1-04002 |
| 1/4" (0.246" ± 0.002") | 6"     | 450     | 120     | F1    | 12"          | DSW-4D060F1-04502 |
| 1/4" (0.246" ± 0.002") | 6"     | 300     | 240     | F1    | 12"          | DSW-4D060F1-03005 |
| 1/4" (0.246" ± 0.002") | 6"     | 400     | 240     | F1    | 12"          | DSW-4D060F1-04005 |
| 1/4" (0.246" ± 0.002") | 6"     | 450     | 240     | F1    | 12"          | DSW-4D060F1-04505 |
| 1/4" (0.246" ± 0.002") | 6"     | 300     | 120     | B1    | 15"          | DSW-4D060B1-03002 |
| 1/4" (0.246" ± 0.002") | 6"     | 400     | 120     | B1    | 15"          | DSW-4D060B1-04002 |
| 1/4" (0.246" ± 0.002") | 6"     | 450     | 120     | B1    | 15"          | DSW-4D060B1-04502 |
| 1/4" (0.246" ± 0.002") | 6"     | 300     | 240     | B1    | 15"          | DSW-4D060B1-03005 |
| 1/4" (0.246" ± 0.002") | 6"     | 400     | 240     | B1    | 15"          | DSW-4D060B1-04005 |
| 1/4" (0.246" ± 0.002") | 6"     | 450     | 240     | B1    | 15"          | DSW-4D060B1-04505 |
| 1/4" (0.246" ± 0.002") | 6"     | 300     | 120     | C1    | 15"          | DSW-4D060C1-03002 |
| 1/4" (0.246" ± 0.002") | 6"     | 400     | 120     | C1    | 15"          | DSW-4D060C1-04002 |
| 1/4" (0.246" ± 0.002") | 6"     | 450     | 120     | C1    | 15"          | DSW-4D060C1-04502 |
| 1/4" (0.246" ± 0.002") | 6"     | 300     | 240     | C1    | 15"          | DSW-4D060C1-03005 |
| 1/4" (0.246" ± 0.002") | 6"     | 400     | 240     | C1    | 15"          | DSW-4D060C1-04005 |
| 1/4" (0.246" ± 0.002") | 6"     | 450     | 240     | C1    | 15"          | DSW-4D060C1-04505 |
| 1/4" (0.246" ± 0.002") | 7"     | 525     | 120     | F1    | 12"          | DSW-4D070F1-05252 |
| 1/4" (0.246" ± 0.002") | 7"     | 600     | 120     | F1    | 12"          | DSW-4D070F1-06002 |
| 1/4" (0.246" ± 0.002") | 7"     | 525     | 240     | F1    | 12"          | DSW-4D070F1-05255 |
| 1/4" (0.246" ± 0.002") | 7"     | 600     | 240     | F1    | 12"          | DSW-4D070F1-06005 |
| 1/4" (0.246" ± 0.002") | 7"     | 525     | 120     | B1    | 15"          | DSW-4D070B1-05252 |
| 1/4" (0.246" ± 0.002") | 7"     | 600     | 120     | B1    | 15"          | DSW-4D070B1-06002 |
| 1/4" (0.246" ± 0.002") | 7"     | 525     | 240     | B1    | 15"          | DSW-4D070B1-05255 |
| 1/4" (0.246" ± 0.002") | 7"     | 600     | 240     | B1    | 15"          | DSW-4D070B1-06005 |
| 1/4" (0.246" ± 0.002") | 7.5"   | 525     | 120     | F1    | 12"          | DSW-4D07HF1-05252 |
| 1/4" (0.246" ± 0.002") | 7.5"   | 525     | 240     | F1    | 12"          | DSW-4D07HF1-05255 |
| 1/4" (0.246" ± 0.002") | 7.5"   | 525     | 120     | B1    | 15"          | DSW-4D07HB1-05252 |
| 1/4" (0.246" ± 0.002") | 7.5"   | 525     | 240     | B1    | 15"          | DSW-4D07HB1-05255 |
| 1/4" (0.246" ± 0.002") | 8"     | 600     | 120     | F1    | 12"          | DSW-4D080F1-06002 |
| 1/4" (0.246" ± 0.002") | 8"     | 600     | 240     | F1    | 12"          | DSW-4D080F1-06005 |
| 1/4" (0.246" ± 0.002") | 8"     | 600     | 120     | B1    | 15"          | DSW-4D080B1-06002 |
| 1/4" (0.246" ± 0.002") | 8"     | 600     | 240     | B1    | 15"          | DSW-4D080B1-06005 |
| 1/4" (0.246" ± 0.002") | 9.5"   | 525     | 120     | F1    | 12"          | DSW-4D09HF1-05252 |
| 1/4" (0.246" ± 0.002") | 9.5"   | 525     | 240     | F1    | 12"          | DSW-4D09HF1-05255 |
| 1/4" (0.246" ± 0.002") | 9.5"   | 525     | 120     | B1    | 15"          | DSW-4D09HB1-05252 |
| 1/4" (0.246" ± 0.002") | 9.5"   | 525     | 240     | B1    | 15"          | DSW-4D09HB1-05255 |
| 1/4" (0.246" ± 0.002") | 10"    | 750     | 120     | F1    | 12"          | DSW-4D100F1-07502 |

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| Diameter                | Length | Wattage | Voltage | Style | Leads Length | Part Numbers      |
|-------------------------|--------|---------|---------|-------|--------------|-------------------|
| 1/4" (0.246" ± 0.002")  | 10"    | 750     | 240     | F1    | 12"          | DSW-4D100F1-07505 |
| 1/4" (0.246" ± 0.002")  | 10"    | 750     | 120     | B1    | 15"          | DSW-4D100B1-07502 |
| 1/4" (0.246" ± 0.002")  | 10"    | 750     | 240     | B1    | 15"          | DSW-4D100B1-07505 |
| 5/16" (0.309" ± 0.002") | 1"     | 80      | 120     | F1    | 12"          | DSW-RE010F1-00802 |
| 5/16" (0.309" ± 0.002") | 1"     | 80      | 240     | F1    | 12"          | DSW-RE010F1-00805 |
| 5/16" (0.309" ± 0.002") | 1"     | 80      | 120     | B1    | 15"          | DSW-RE010B1-00802 |
| 5/16" (0.309" ± 0.002") | 1"     | 80      | 240     | B1    | 15"          | DSW-RE010B1-00805 |
| 5/16" (0.309" ± 0.002") | 1.5"   | 100     | 120     | F1    | 12"          | DSW-RE01HF1-01002 |
| 5/16" (0.309" ± 0.002") | 1.5"   | 100     | 240     | F1    | 12"          | DSW-RE01HF1-01005 |
| 5/16" (0.309" ± 0.002") | 1.5"   | 100     | 120     | B1    | 15"          | DSW-RE01HB1-01002 |
| 5/16" (0.309" ± 0.002") | 1.5"   | 100     | 240     | B1    | 15"          | DSW-RE01HB1-01005 |
| 5/16" (0.309" ± 0.002") | 2"     | 150     | 120     | F1    | 12"          | DSW-RE020F1-01502 |
| 5/16" (0.309" ± 0.002") | 2"     | 150     | 240     | F1    | 12"          | DSW-RE020F1-01505 |
| 5/16" (0.309" ± 0.002") | 2"     | 150     | 120     | B1    | 15"          | DSW-RE020B1-01502 |
| 5/16" (0.309" ± 0.002") | 2"     | 150     | 240     | B1    | 15"          | DSW-RE020B1-01505 |
| 5/16" (0.309" ± 0.002") | 2.5"   | 150     | 120     | F1    | 12"          | DSW-RE02HF1-01502 |
| 5/16" (0.309" ± 0.002") | 2.5"   | 200     | 120     | F1    | 12"          | DSW-RE02HF1-02002 |
| 5/16" (0.309" ± 0.002") | 2.5"   | 150     | 240     | F1    | 12"          | DSW-RE02HF1-01505 |
| 5/16" (0.309" ± 0.002") | 2.5"   | 200     | 240     | F1    | 12"          | DSW-RE02HF1-02005 |
| 5/16" (0.309" ± 0.002") | 2.5"   | 150     | 120     | B1    | 15"          | DSW-RE02HB1-01502 |
| 5/16" (0.309" ± 0.002") | 2.5"   | 200     | 120     | B1    | 15"          | DSW-RE02HB1-02002 |
| 5/16" (0.309" ± 0.002") | 2.5"   | 150     | 240     | B1    | 15"          | DSW-RE02HB1-01505 |
| 5/16" (0.309" ± 0.002") | 2.5"   | 200     | 240     | B1    | 15"          | DSW-RE02HB1-02005 |
| 5/16" (0.309" ± 0.002") | 3"     | 225     | 120     | F1    | 12"          | DSW-RE030F1-02252 |
| 5/16" (0.309" ± 0.002") | 3"     | 225     | 240     | F1    | 12"          | DSW-RE030F1-02255 |
| 5/16" (0.309" ± 0.002") | 3"     | 225     | 120     | B1    | 15"          | DSW-RE030B1-02252 |
| 5/16" (0.309" ± 0.002") | 3"     | 225     | 240     | B1    | 15"          | DSW-RE030B1-02255 |
| 5/16" (0.309" ± 0.002") | 6"     | 450     | 120     | F1    | 12"          | DSW-RE060F1-04502 |
| 5/16" (0.309" ± 0.002") | 6"     | 450     | 240     | F1    | 12"          | DSW-RE060F1-04505 |
| 5/16" (0.309" ± 0.002") | 6"     | 450     | 120     | B1    | 15"          | DSW-RE060B1-04502 |
| 5/16" (0.309" ± 0.002") | 6"     | 450     | 240     | B1    | 15"          | DSW-RE060B1-04505 |
| 3/8" (0.371" ± 0.002")  | 1"     | 100     | 120     | F1    | 12"          | DSW-RF010F1-01002 |
| 3/8" (0.371" ± 0.002")  | 1"     | 150     | 120     | F1    | 12"          | DSW-RF010F1-01502 |
| 3/8" (0.371" ± 0.002")  | 1"     | 100     | 240     | F1    | 12"          | DSW-RF010F1-01005 |
| 3/8" (0.371" ± 0.002")  | 1"     | 150     | 240     | F1    | 12"          | DSW-RF010F1-01505 |
| 3/8" (0.371" ± 0.002")  | 1"     | 100     | 120     | B1    | 15"          | DSW-RF010B1-01002 |
| 3/8" (0.371" ± 0.002")  | 1"     | 150     | 120     | B1    | 15"          | DSW-RF010B1-01502 |
| 3/8" (0.371" ± 0.002")  | 1"     | 100     | 240     | B1    | 15"          | DSW-RF010B1-01005 |
| 3/8" (0.371" ± 0.002")  | 1"     | 150     | 240     | B1    | 15"          | DSW-RF010B1-01505 |
| 3/8" (0.371" ± 0.002")  | 1"     | 100     | 120     | C1    | 15"          | DSW-RF010C1-01002 |
| 3/8" (0.371" ± 0.002")  | 1"     | 150     | 120     | C1    | 15"          | DSW-RF010C1-01502 |
| 3/8" (0.371" ± 0.002")  | 1"     | 100     | 240     | C1    | 15"          | DSW-RF010C1-01005 |
| 3/8" (0.371" ± 0.002")  | 1"     | 150     | 240     | C1    | 15"          | DSW-RF010C1-01505 |
| 3/8" (0.371" ± 0.002")  | 1.5"   | 100     | 120     | F1    | 12"          | DSW-RF01HF1-01002 |
| 3/8" (0.371" ± 0.002")  | 1.5"   | 150     | 120     | F1    | 12"          | DSW-RF01HF1-01502 |
| 3/8" (0.371" ± 0.002")  | 1.5"   | 200     | 120     | F1    | 12"          | DSW-RF01HF1-02002 |
| 3/8" (0.371" ± 0.002")  | 1.5"   | 250     | 120     | F1    | 12"          | DSW-RF01HF1-02502 |
| 3/8" (0.371" ± 0.002")  | 1.5"   | 100     | 240     | F1    | 12"          | DSW-RF01HF1-01005 |
| 3/8" (0.371" ± 0.002")  | 1.5"   | 150     | 240     | F1    | 12"          | DSW-RF01HF1-01505 |
| 3/8" (0.371" ± 0.002")  | 1.5"   | 200     | 240     | F1    | 12"          | DSW-RF01HF1-02005 |
| 3/8" (0.371" ± 0.002")  | 1.5"   | 250     | 240     | F1    | 12"          | DSW-RF01HF1-02505 |

Cartridge Heaters



# Magnum™ Cartridge Heaters

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## STANDARD CARTRIDGE HEATERS

| Diameter               | Length | Wattage | Voltage | Style | Leads Length | Part Numbers      |
|------------------------|--------|---------|---------|-------|--------------|-------------------|
| 3/8" (0.371" ± 0.002") | 1.5"   | 100     | 120     | B1    | 15"          | DSW-RF01HB1-01002 |
| 3/8" (0.371" ± 0.002") | 1.5"   | 150     | 120     | B1    | 15"          | DSW-RF01HB1-01502 |
| 3/8" (0.371" ± 0.002") | 1.5"   | 200     | 120     | B1    | 15"          | DSW-RF01HB1-02002 |
| 3/8" (0.371" ± 0.002") | 1.5"   | 250     | 120     | B1    | 15"          | DSW-RF01HB1-02502 |
| 3/8" (0.371" ± 0.002") | 1.5"   | 100     | 240     | B1    | 15"          | DSW-RF01HB1-01005 |
| 3/8" (0.371" ± 0.002") | 1.5"   | 150     | 240     | B1    | 15"          | DSW-RF01HB1-01505 |
| 3/8" (0.371" ± 0.002") | 1.5"   | 200     | 240     | B1    | 15"          | DSW-RF01HB1-02005 |
| 3/8" (0.371" ± 0.002") | 1.5"   | 250     | 240     | B1    | 15"          | DSW-RF01HB1-02505 |
| 3/8" (0.371" ± 0.002") | 1.5"   | 100     | 120     | C1    | 15"          | DSW-RF01HC1-01002 |
| 3/8" (0.371" ± 0.002") | 1.5"   | 150     | 120     | C1    | 15"          | DSW-RF01HC1-01502 |
| 3/8" (0.371" ± 0.002") | 1.5"   | 100     | 240     | C1    | 15"          | DSW-RF01HC1-01005 |
| 3/8" (0.371" ± 0.002") | 1.5"   | 150     | 240     | C1    | 15"          | DSW-RF01HC1-01505 |
| 3/8" (0.371" ± 0.002") | 2"     | 100     | 120     | F1    | 12"          | DSW-RF020F1-01002 |
| 3/8" (0.371" ± 0.002") | 2"     | 200     | 120     | F1    | 12"          | DSW-RF020F1-02002 |
| 3/8" (0.371" ± 0.002") | 2"     | 300     | 120     | F1    | 12"          | DSW-RF020F1-03002 |
| 3/8" (0.371" ± 0.002") | 2"     | 400     | 120     | F1    | 12"          | DSW-RF020F1-04002 |
| 3/8" (0.371" ± 0.002") | 2"     | 100     | 240     | F1    | 12"          | DSW-RF020F1-01005 |
| 3/8" (0.371" ± 0.002") | 2"     | 200     | 240     | F1    | 12"          | DSW-RF020F1-02005 |
| 3/8" (0.371" ± 0.002") | 2"     | 300     | 240     | F1    | 12"          | DSW-RF020F1-03005 |
| 3/8" (0.371" ± 0.002") | 2"     | 400     | 240     | F1    | 12"          | DSW-RF020F1-04005 |
| 3/8" (0.371" ± 0.002") | 2"     | 100     | 120     | B1    | 15"          | DSW-RF020B1-01002 |
| 3/8" (0.371" ± 0.002") | 2"     | 200     | 120     | B1    | 15"          | DSW-RF020B1-02002 |
| 3/8" (0.371" ± 0.002") | 2"     | 300     | 120     | B1    | 15"          | DSW-RF020B1-03002 |
| 3/8" (0.371" ± 0.002") | 2"     | 400     | 120     | B1    | 15"          | DSW-RF020B1-04002 |
| 3/8" (0.371" ± 0.002") | 2"     | 100     | 240     | B1    | 15"          | DSW-RF020B1-01005 |
| 3/8" (0.371" ± 0.002") | 2"     | 200     | 240     | B1    | 15"          | DSW-RF020B1-02005 |
| 3/8" (0.371" ± 0.002") | 2"     | 300     | 240     | B1    | 15"          | DSW-RF020B1-03005 |
| 3/8" (0.371" ± 0.002") | 2"     | 400     | 240     | B1    | 15"          | DSW-RF020B1-04005 |
| 3/8" (0.371" ± 0.002") | 2"     | 100     | 120     | C1    | 15"          | DSW-RF020C1-01002 |
| 3/8" (0.371" ± 0.002") | 2"     | 200     | 120     | C1    | 15"          | DSW-RF020C1-02002 |
| 3/8" (0.371" ± 0.002") | 2"     | 300     | 120     | C1    | 15"          | DSW-RF020C1-03002 |
| 3/8" (0.371" ± 0.002") | 2"     | 400     | 120     | C1    | 15"          | DSW-RF020C1-04002 |
| 3/8" (0.371" ± 0.002") | 2"     | 100     | 240     | C1    | 15"          | DSW-RF020C1-01005 |
| 3/8" (0.371" ± 0.002") | 2"     | 200     | 240     | C1    | 15"          | DSW-RF020C1-02005 |
| 3/8" (0.371" ± 0.002") | 2"     | 300     | 240     | C1    | 15"          | DSW-RF020C1-03005 |
| 3/8" (0.371" ± 0.002") | 2"     | 400     | 240     | C1    | 15"          | DSW-RF020C1-04005 |
| 3/8" (0.371" ± 0.002") | 2.5"   | 200     | 120     | F1    | 12"          | DSW-RF02HF1-02002 |
| 3/8" (0.371" ± 0.002") | 2.5"   | 250     | 120     | F1    | 12"          | DSW-RF02HF1-02502 |
| 3/8" (0.371" ± 0.002") | 2.5"   | 400     | 120     | F1    | 12"          | DSW-RF02HF1-04002 |
| 3/8" (0.371" ± 0.002") | 2.5"   | 500     | 120     | F1    | 12"          | DSW-RF02HF1-05002 |
| 3/8" (0.371" ± 0.002") | 2.5"   | 200     | 240     | F1    | 12"          | DSW-RF02HF1-02005 |
| 3/8" (0.371" ± 0.002") | 2.5"   | 250     | 240     | F1    | 12"          | DSW-RF02HF1-02505 |
| 3/8" (0.371" ± 0.002") | 2.5"   | 400     | 240     | F1    | 12"          | DSW-RF02HF1-04005 |
| 3/8" (0.371" ± 0.002") | 2.5"   | 500     | 240     | F1    | 12"          | DSW-RF02HF1-05005 |
| 3/8" (0.371" ± 0.002") | 2.5"   | 200     | 120     | B1    | 15"          | DSW-RF02HB1-02002 |
| 3/8" (0.371" ± 0.002") | 2.5"   | 250     | 120     | B1    | 15"          | DSW-RF02HB1-02502 |
| 3/8" (0.371" ± 0.002") | 2.5"   | 400     | 120     | B1    | 15"          | DSW-RF02HB1-04002 |
| 3/8" (0.371" ± 0.002") | 2.5"   | 500     | 120     | B1    | 15"          | DSW-RF02HB1-05002 |
| 3/8" (0.371" ± 0.002") | 2.5"   | 200     | 240     | B1    | 15"          | DSW-RF02HB1-02005 |
| 3/8" (0.371" ± 0.002") | 2.5"   | 250     | 240     | B1    | 15"          | DSW-RF02HB1-02505 |
| 3/8" (0.371" ± 0.002") | 2.5"   | 400     | 240     | B1    | 15"          | DSW-RF02HB1-04005 |
| 3/8" (0.371" ± 0.002") | 2.5"   | 500     | 240     | B1    | 15"          | DSW-RF02HB1-05005 |
| 3/8" (0.371" ± 0.002") | 2.5"   | 200     | 120     | C1    | 15"          | DSW-RF02HC1-02002 |

Cartridge Heaters



# Magnum™ Cartridge Heaters

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## STANDARD CARTRIDGE HEATERS

| Diameter               | Length | Wattage | Voltage | Style | Leads Length | Part Numbers      |
|------------------------|--------|---------|---------|-------|--------------|-------------------|
| 3/8" (0.371" ± 0.002") | 2.5"   | 250     | 120     | C1    | 15"          | DSW-RF02HC1-02502 |
| 3/8" (0.371" ± 0.002") | 2.5"   | 400     | 120     | C1    | 15"          | DSW-RF02HC1-04002 |
| 3/8" (0.371" ± 0.002") | 2.5"   | 500     | 120     | C1    | 15"          | DSW-RF02HC1-05002 |
| 3/8" (0.371" ± 0.002") | 2.5"   | 200     | 240     | C1    | 15"          | DSW-RF02HC1-02005 |
| 3/8" (0.371" ± 0.002") | 2.5"   | 250     | 240     | C1    | 15"          | DSW-RF02HC1-02505 |
| 3/8" (0.371" ± 0.002") | 2.5"   | 400     | 240     | C1    | 15"          | DSW-RF02HC1-04005 |
| 3/8" (0.371" ± 0.002") | 2.5"   | 500     | 240     | C1    | 15"          | DSW-RF02HC1-05005 |
| 3/8" (0.371" ± 0.002") | 3"     | 200     | 120     | F1    | 12"          | DSW-RF030F1-02002 |
| 3/8" (0.371" ± 0.002") | 3"     | 250     | 120     | F1    | 12"          | DSW-RF030F1-02502 |
| 3/8" (0.371" ± 0.002") | 3"     | 375     | 120     | F1    | 12"          | DSW-RF030F1-03752 |
| 3/8" (0.371" ± 0.002") | 3"     | 400     | 120     | F1    | 12"          | DSW-RF030F1-04002 |
| 3/8" (0.371" ± 0.002") | 3"     | 200     | 240     | F1    | 12"          | DSW-RF030F1-02005 |
| 3/8" (0.371" ± 0.002") | 3"     | 250     | 240     | F1    | 12"          | DSW-RF030F1-02505 |
| 3/8" (0.371" ± 0.002") | 3"     | 375     | 240     | F1    | 12"          | DSW-RF030F1-03755 |
| 3/8" (0.371" ± 0.002") | 3"     | 400     | 240     | F1    | 12"          | DSW-RF030F1-04005 |
| 3/8" (0.371" ± 0.002") | 3"     | 200     | 120     | B1    | 15"          | DSW-RF030B1-02002 |
| 3/8" (0.371" ± 0.002") | 3"     | 250     | 120     | B1    | 15"          | DSW-RF030B1-02502 |
| 3/8" (0.371" ± 0.002") | 3"     | 375     | 120     | B1    | 15"          | DSW-RF030B1-03752 |
| 3/8" (0.371" ± 0.002") | 3"     | 400     | 120     | B1    | 15"          | DSW-RF030B1-04002 |
| 3/8" (0.371" ± 0.002") | 3"     | 200     | 240     | B1    | 15"          | DSW-RF030B1-02005 |
| 3/8" (0.371" ± 0.002") | 3"     | 250     | 240     | B1    | 15"          | DSW-RF030B1-02505 |
| 3/8" (0.371" ± 0.002") | 3"     | 375     | 240     | B1    | 15"          | DSW-RF030B1-03755 |
| 3/8" (0.371" ± 0.002") | 3"     | 400     | 240     | B1    | 15"          | DSW-RF030B1-04005 |
| 3/8" (0.371" ± 0.002") | 3"     | 200     | 120     | C1    | 15"          | DSW-RF030C1-02002 |
| 3/8" (0.371" ± 0.002") | 3"     | 250     | 120     | C1    | 15"          | DSW-RF030C1-02502 |
| 3/8" (0.371" ± 0.002") | 3"     | 375     | 120     | C1    | 15"          | DSW-RF030C1-03752 |
| 3/8" (0.371" ± 0.002") | 3"     | 400     | 120     | C1    | 15"          | DSW-RF030C1-04002 |
| 3/8" (0.371" ± 0.002") | 3"     | 200     | 240     | C1    | 15"          | DSW-RF030C1-02005 |
| 3/8" (0.371" ± 0.002") | 3"     | 250     | 240     | C1    | 15"          | DSW-RF030C1-02505 |
| 3/8" (0.371" ± 0.002") | 3"     | 375     | 240     | C1    | 15"          | DSW-RF030C1-03755 |
| 3/8" (0.371" ± 0.002") | 3"     | 400     | 240     | C1    | 15"          | DSW-RF030C1-04005 |
| 3/8" (0.371" ± 0.002") | 3.5"   | 250     | 120     | F1    | 12"          | DSW-RF03HF1-02502 |
| 3/8" (0.371" ± 0.002") | 3.5"   | 300     | 120     | F1    | 12"          | DSW-RF03HF1-03002 |
| 3/8" (0.371" ± 0.002") | 3.5"   | 350     | 120     | F1    | 12"          | DSW-RF03HF1-03502 |
| 3/8" (0.371" ± 0.002") | 3.5"   | 500     | 120     | F1    | 12"          | DSW-RF03HF1-05002 |
| 3/8" (0.371" ± 0.002") | 3.5"   | 250     | 240     | F1    | 12"          | DSW-RF03HF1-02505 |
| 3/8" (0.371" ± 0.002") | 3.5"   | 300     | 240     | F1    | 12"          | DSW-RF03HF1-03005 |
| 3/8" (0.371" ± 0.002") | 3.5"   | 350     | 240     | F1    | 12"          | DSW-RF03HF1-03505 |
| 3/8" (0.371" ± 0.002") | 3.5"   | 500     | 240     | F1    | 12"          | DSW-RF03HF1-05005 |
| 3/8" (0.371" ± 0.002") | 3.5"   | 250     | 120     | B1    | 15"          | DSW-RF03HB1-02502 |
| 3/8" (0.371" ± 0.002") | 3.5"   | 300     | 120     | B1    | 15"          | DSW-RF03HB1-03002 |
| 3/8" (0.371" ± 0.002") | 3.5"   | 350     | 120     | B1    | 15"          | DSW-RF03HB1-03502 |
| 3/8" (0.371" ± 0.002") | 3.5"   | 500     | 120     | B1    | 15"          | DSW-RF03HB1-05002 |
| 3/8" (0.371" ± 0.002") | 3.5"   | 250     | 240     | B1    | 15"          | DSW-RF03HB1-02505 |
| 3/8" (0.371" ± 0.002") | 3.5"   | 300     | 240     | B1    | 15"          | DSW-RF03HB1-03005 |
| 3/8" (0.371" ± 0.002") | 3.5"   | 350     | 240     | B1    | 15"          | DSW-RF03HB1-03505 |
| 3/8" (0.371" ± 0.002") | 3.5"   | 500     | 240     | B1    | 15"          | DSW-RF03HB1-05005 |
| 3/8" (0.371" ± 0.002") | 4"     | 250     | 120     | F1    | 12"          | DSW-RF040F1-02502 |
| 3/8" (0.371" ± 0.002") | 4"     | 300     | 120     | F1    | 12"          | DSW-RF040F1-03002 |
| 3/8" (0.371" ± 0.002") | 4"     | 400     | 120     | F1    | 12"          | DSW-RF040F1-04002 |
| 3/8" (0.371" ± 0.002") | 4"     | 500     | 120     | F1    | 12"          | DSW-RF040F1-05002 |
| 3/8" (0.371" ± 0.002") | 4"     | 250     | 240     | F1    | 12"          | DSW-RF040F1-02505 |
| 3/8" (0.371" ± 0.002") | 4"     | 300     | 240     | F1    | 12"          | DSW-RF040F1-03005 |

Cartridge Heaters



# Magnum™ Cartridge Heaters

closing the loop on thermal solutions

## STANDARD CARTRIDGE HEATERS

| Diameter               | Length | Wattage | Voltage | Style | Leads Length | Part Numbers      |
|------------------------|--------|---------|---------|-------|--------------|-------------------|
| 3/8" (0.371" ± 0.002") | 4"     | 400     | 240     | F1    | 12"          | DSW-RF040F1-04005 |
| 3/8" (0.371" ± 0.002") | 4"     | 500     | 240     | F1    | 12"          | DSW-RF040F1-05005 |
| 3/8" (0.371" ± 0.002") | 4"     | 250     | 120     | B1    | 15"          | DSW-RF040B1-02502 |
| 3/8" (0.371" ± 0.002") | 4"     | 300     | 120     | B1    | 15"          | DSW-RF040B1-03002 |
| 3/8" (0.371" ± 0.002") | 4"     | 400     | 120     | B1    | 15"          | DSW-RF040B1-04002 |
| 3/8" (0.371" ± 0.002") | 4"     | 500     | 120     | B1    | 15"          | DSW-RF040B1-05002 |
| 3/8" (0.371" ± 0.002") | 4"     | 250     | 240     | B1    | 15"          | DSW-RF040B1-02505 |
| 3/8" (0.371" ± 0.002") | 4"     | 300     | 240     | B1    | 15"          | DSW-RF040B1-03005 |
| 3/8" (0.371" ± 0.002") | 4"     | 400     | 240     | B1    | 15"          | DSW-RF040B1-04005 |
| 3/8" (0.371" ± 0.002") | 4"     | 500     | 240     | B1    | 15"          | DSW-RF040B1-05005 |
| 3/8" (0.371" ± 0.002") | 4"     | 250     | 120     | C1    | 15"          | DSW-RF040C1-02502 |
| 3/8" (0.371" ± 0.002") | 4"     | 300     | 120     | C1    | 15"          | DSW-RF040C1-03002 |
| 3/8" (0.371" ± 0.002") | 4"     | 400     | 120     | C1    | 15"          | DSW-RF040C1-04002 |
| 3/8" (0.371" ± 0.002") | 4"     | 500     | 120     | C1    | 15"          | DSW-RF040C1-05002 |
| 3/8" (0.371" ± 0.002") | 4"     | 250     | 240     | C1    | 15"          | DSW-RF040C1-02505 |
| 3/8" (0.371" ± 0.002") | 4"     | 300     | 240     | C1    | 15"          | DSW-RF040C1-03005 |
| 3/8" (0.371" ± 0.002") | 4"     | 400     | 240     | C1    | 15"          | DSW-RF040C1-04005 |
| 3/8" (0.371" ± 0.002") | 4"     | 500     | 240     | C1    | 15"          | DSW-RF040C1-05005 |
| 3/8" (0.371" ± 0.002") | 4.5"   | 300     | 120     | F1    | 12"          | DSW-RF04HF1-03002 |
| 3/8" (0.371" ± 0.002") | 4.5"   | 450     | 120     | F1    | 12"          | DSW-RF04HF1-04502 |
| 3/8" (0.371" ± 0.002") | 4.5"   | 500     | 120     | F1    | 12"          | DSW-RF04HF1-05002 |
| 3/8" (0.371" ± 0.002") | 4.5"   | 300     | 240     | F1    | 12"          | DSW-RF04HF1-03005 |
| 3/8" (0.371" ± 0.002") | 4.5"   | 450     | 240     | F1    | 12"          | DSW-RF04HF1-04505 |
| 3/8" (0.371" ± 0.002") | 4.5"   | 500     | 240     | F1    | 12"          | DSW-RF04HF1-05005 |
| 3/8" (0.371" ± 0.002") | 4.5"   | 300     | 120     | B1    | 15"          | DSW-RF04HB1-03002 |
| 3/8" (0.371" ± 0.002") | 4.5"   | 450     | 120     | B1    | 15"          | DSW-RF04HB1-04502 |
| 3/8" (0.371" ± 0.002") | 4.5"   | 500     | 120     | B1    | 15"          | DSW-RF04HB1-05002 |
| 3/8" (0.371" ± 0.002") | 4.5"   | 300     | 240     | B1    | 15"          | DSW-RF04HB1-03005 |
| 3/8" (0.371" ± 0.002") | 4.5"   | 450     | 240     | B1    | 15"          | DSW-RF04HB1-04505 |
| 3/8" (0.371" ± 0.002") | 4.5"   | 500     | 240     | B1    | 15"          | DSW-RF04HB1-05005 |
| 3/8" (0.371" ± 0.002") | 5"     | 150     | 120     | F1    | 12"          | DSW-RF050F1-01502 |
| 3/8" (0.371" ± 0.002") | 5"     | 300     | 120     | F1    | 12"          | DSW-RF050F1-03002 |
| 3/8" (0.371" ± 0.002") | 5"     | 400     | 120     | F1    | 12"          | DSW-RF050F1-04002 |
| 3/8" (0.371" ± 0.002") | 5"     | 500     | 120     | F1    | 12"          | DSW-RF050F1-05002 |
| 3/8" (0.371" ± 0.002") | 5"     | 150     | 240     | F1    | 12"          | DSW-RF050F1-01505 |
| 3/8" (0.371" ± 0.002") | 5"     | 300     | 240     | F1    | 12"          | DSW-RF050F1-03005 |
| 3/8" (0.371" ± 0.002") | 5"     | 400     | 240     | F1    | 12"          | DSW-RF050F1-04005 |
| 3/8" (0.371" ± 0.002") | 5"     | 500     | 240     | F1    | 12"          | DSW-RF050F1-05005 |
| 3/8" (0.371" ± 0.002") | 5"     | 150     | 120     | B1    | 15"          | DSW-RF050B1-01502 |
| 3/8" (0.371" ± 0.002") | 5"     | 300     | 120     | B1    | 15"          | DSW-RF050B1-03002 |
| 3/8" (0.371" ± 0.002") | 5"     | 400     | 120     | B1    | 15"          | DSW-RF050B1-04002 |
| 3/8" (0.371" ± 0.002") | 5"     | 500     | 120     | B1    | 15"          | DSW-RF050B1-05002 |
| 3/8" (0.371" ± 0.002") | 5"     | 150     | 240     | B1    | 15"          | DSW-RF050B1-01505 |
| 3/8" (0.371" ± 0.002") | 5"     | 300     | 240     | B1    | 15"          | DSW-RF050B1-03005 |
| 3/8" (0.371" ± 0.002") | 5"     | 400     | 240     | B1    | 15"          | DSW-RF050B1-04005 |
| 3/8" (0.371" ± 0.002") | 5"     | 500     | 240     | B1    | 15"          | DSW-RF050B1-05005 |
| 3/8" (0.371" ± 0.002") | 5"     | 150     | 120     | C1    | 15"          | DSW-RF050C1-01502 |
| 3/8" (0.371" ± 0.002") | 5"     | 300     | 120     | C1    | 15"          | DSW-RF050C1-03002 |
| 3/8" (0.371" ± 0.002") | 5"     | 400     | 120     | C1    | 15"          | DSW-RF050C1-04002 |
| 3/8" (0.371" ± 0.002") | 5"     | 500     | 120     | C1    | 15"          | DSW-RF050C1-05002 |
| 3/8" (0.371" ± 0.002") | 5"     | 150     | 240     | C1    | 15"          | DSW-RF050C1-01505 |
| 3/8" (0.371" ± 0.002") | 5"     | 300     | 240     | C1    | 15"          | DSW-RF050C1-03005 |
| 3/8" (0.371" ± 0.002") | 5"     | 400     | 240     | C1    | 15"          | DSW-RF050C1-04005 |

Cartridge Heaters



# Magnum™ Cartridge Heaters

*closing the loop on thermal solutions*

## STANDARD CARTRIDGE HEATERS

| Diameter               | Length | Wattage | Voltage | Style | Leads Length | Part Numbers      |
|------------------------|--------|---------|---------|-------|--------------|-------------------|
| 3/8" (0.371" ± 0.002") | 5"     | 500     | 240     | C1    | 15"          | DSW-RF050C1-05005 |
| 3/8" (0.371" ± 0.002") | 5.5"   | 500     | 120     | F1    | 12"          | DSW-RF05HF1-05002 |
| 3/8" (0.371" ± 0.002") | 5.5"   | 600     | 120     | F1    | 12"          | DSW-RF05HF1-06002 |
| 3/8" (0.371" ± 0.002") | 5.5"   | 1000    | 120     | F1    | 12"          | DSW-RF05HF1-10002 |
| 3/8" (0.371" ± 0.002") | 5.5"   | 500     | 240     | F1    | 12"          | DSW-RF05HF1-05005 |
| 3/8" (0.371" ± 0.002") | 5.5"   | 600     | 240     | F1    | 12"          | DSW-RF05HF1-06005 |
| 3/8" (0.371" ± 0.002") | 5.5"   | 1000    | 240     | F1    | 12"          | DSW-RF05HF1-10005 |
| 3/8" (0.371" ± 0.002") | 5.5"   | 500     | 120     | B1    | 15"          | DSW-RF05HB1-05002 |
| 3/8" (0.371" ± 0.002") | 5.5"   | 600     | 120     | B1    | 15"          | DSW-RF05HB1-06002 |
| 3/8" (0.371" ± 0.002") | 5.5"   | 1000    | 120     | B1    | 15"          | DSW-RF05HB1-10002 |
| 3/8" (0.371" ± 0.002") | 5.5"   | 500     | 240     | B1    | 15"          | DSW-RF05HB1-05005 |
| 3/8" (0.371" ± 0.002") | 5.5"   | 600     | 240     | B1    | 15"          | DSW-RF05HB1-06005 |
| 3/8" (0.371" ± 0.002") | 5.5"   | 1000    | 240     | B1    | 15"          | DSW-RF05HB1-10005 |
| 3/8" (0.371" ± 0.002") | 6"     | 250     | 120     | F1    | 12"          | DSW-RF060F1-02502 |
| 3/8" (0.371" ± 0.002") | 6"     | 400     | 120     | F1    | 12"          | DSW-RF060F1-04002 |
| 3/8" (0.371" ± 0.002") | 6"     | 500     | 120     | F1    | 12"          | DSW-RF060F1-05002 |
| 3/8" (0.371" ± 0.002") | 6"     | 600     | 120     | F1    | 12"          | DSW-RF060F1-06002 |
| 3/8" (0.371" ± 0.002") | 6"     | 250     | 240     | F1    | 12"          | DSW-RF060F1-02505 |
| 3/8" (0.371" ± 0.002") | 6"     | 400     | 240     | F1    | 12"          | DSW-RF060F1-04005 |
| 3/8" (0.371" ± 0.002") | 6"     | 500     | 240     | F1    | 12"          | DSW-RF060F1-05005 |
| 3/8" (0.371" ± 0.002") | 6"     | 600     | 240     | F1    | 12"          | DSW-RF060F1-06005 |
| 3/8" (0.371" ± 0.002") | 6"     | 250     | 120     | B1    | 15"          | DSW-RF060B1-02502 |
| 3/8" (0.371" ± 0.002") | 6"     | 400     | 120     | B1    | 15"          | DSW-RF060B1-04002 |
| 3/8" (0.371" ± 0.002") | 6"     | 500     | 120     | B1    | 15"          | DSW-RF060B1-05002 |
| 3/8" (0.371" ± 0.002") | 6"     | 600     | 120     | B1    | 15"          | DSW-RF060B1-06002 |
| 3/8" (0.371" ± 0.002") | 6"     | 250     | 240     | B1    | 15"          | DSW-RF060B1-02505 |
| 3/8" (0.371" ± 0.002") | 6"     | 400     | 240     | B1    | 15"          | DSW-RF060B1-04005 |
| 3/8" (0.371" ± 0.002") | 6"     | 500     | 240     | B1    | 15"          | DSW-RF060B1-05005 |
| 3/8" (0.371" ± 0.002") | 6"     | 600     | 240     | B1    | 15"          | DSW-RF060B1-06005 |
| 3/8" (0.371" ± 0.002") | 6"     | 250     | 120     | C1    | 15"          | DSW-RF060C1-02502 |
| 3/8" (0.371" ± 0.002") | 6"     | 400     | 120     | C1    | 15"          | DSW-RF060C1-04002 |
| 3/8" (0.371" ± 0.002") | 6"     | 500     | 120     | C1    | 15"          | DSW-RF060C1-05002 |
| 3/8" (0.371" ± 0.002") | 6"     | 600     | 120     | C1    | 15"          | DSW-RF060C1-06002 |
| 3/8" (0.371" ± 0.002") | 6"     | 250     | 240     | C1    | 15"          | DSW-RF060C1-02505 |
| 3/8" (0.371" ± 0.002") | 6"     | 400     | 240     | C1    | 15"          | DSW-RF060C1-04005 |
| 3/8" (0.371" ± 0.002") | 6"     | 500     | 240     | C1    | 15"          | DSW-RF060C1-05005 |
| 3/8" (0.371" ± 0.002") | 6"     | 600     | 240     | C1    | 15"          | DSW-RF060C1-06005 |
| 3/8" (0.371" ± 0.002") | 7"     | 350     | 120     | F1    | 12"          | DSW-RF070F1-03502 |
| 3/8" (0.371" ± 0.002") | 7"     | 400     | 120     | F1    | 12"          | DSW-RF070F1-04002 |
| 3/8" (0.371" ± 0.002") | 7"     | 600     | 120     | F1    | 12"          | DSW-RF070F1-06002 |
| 3/8" (0.371" ± 0.002") | 7"     | 1000    | 120     | F1    | 12"          | DSW-RF070F1-10002 |
| 3/8" (0.371" ± 0.002") | 7"     | 350     | 240     | F1    | 12"          | DSW-RF070F1-03505 |
| 3/8" (0.371" ± 0.002") | 7"     | 400     | 240     | F1    | 12"          | DSW-RF070F1-04005 |
| 3/8" (0.371" ± 0.002") | 7"     | 600     | 240     | F1    | 12"          | DSW-RF070F1-06005 |
| 3/8" (0.371" ± 0.002") | 7"     | 1000    | 240     | F1    | 12"          | DSW-RF070F1-10005 |
| 3/8" (0.371" ± 0.002") | 7"     | 350     | 120     | B1    | 15"          | DSW-RF070B1-03502 |
| 3/8" (0.371" ± 0.002") | 7"     | 400     | 120     | B1    | 15"          | DSW-RF070B1-04002 |
| 3/8" (0.371" ± 0.002") | 7"     | 600     | 120     | B1    | 15"          | DSW-RF070B1-06002 |
| 3/8" (0.371" ± 0.002") | 7"     | 1000    | 120     | B1    | 15"          | DSW-RF070B1-10002 |
| 3/8" (0.371" ± 0.002") | 7"     | 350     | 240     | B1    | 15"          | DSW-RF070B1-03505 |
| 3/8" (0.371" ± 0.002") | 7"     | 400     | 240     | B1    | 15"          | DSW-RF070B1-04005 |
| 3/8" (0.371" ± 0.002") | 7"     | 600     | 240     | B1    | 15"          | DSW-RF070B1-06005 |
| 3/8" (0.371" ± 0.002") | 7"     | 1000    | 240     | B1    | 15"          | DSW-RF070B1-10005 |

Cartridge Heaters





# Magnum™ Cartridge Heaters

closing the loop on thermal solutions

## STANDARD CARTRIDGE HEATERS

| Diameter               | Length | Wattage | Voltage | Style | Leads Length | Part Numbers      |
|------------------------|--------|---------|---------|-------|--------------|-------------------|
| 3/8" (0.371" ± 0.002") | 7.5"   | 600     | 120     | F1    | 12"          | DSW-RF07HF1-06002 |
| 3/8" (0.371" ± 0.002") | 7.5"   | 725     | 120     | F1    | 12"          | DSW-RF07HF1-07252 |
| 3/8" (0.371" ± 0.002") | 7.5"   | 1000    | 120     | F1    | 12"          | DSW-RF07HF1-10002 |
| 3/8" (0.371" ± 0.002") | 7.5"   | 600     | 240     | F1    | 12"          | DSW-RF07HF1-06005 |
| 3/8" (0.371" ± 0.002") | 7.5"   | 725     | 240     | F1    | 12"          | DSW-RF07HF1-07255 |
| 3/8" (0.371" ± 0.002") | 7.5"   | 1000    | 240     | F1    | 12"          | DSW-RF07HF1-10005 |
| 3/8" (0.371" ± 0.002") | 7.5"   | 600     | 120     | B1    | 15"          | DSW-RF07HB1-06002 |
| 3/8" (0.371" ± 0.002") | 7.5"   | 725     | 120     | B1    | 15"          | DSW-RF07HB1-07252 |
| 3/8" (0.371" ± 0.002") | 7.5"   | 1000    | 120     | B1    | 15"          | DSW-RF07HB1-10002 |
| 3/8" (0.371" ± 0.002") | 7.5"   | 600     | 240     | B1    | 15"          | DSW-RF07HB1-06005 |
| 3/8" (0.371" ± 0.002") | 7.5"   | 725     | 240     | B1    | 15"          | DSW-RF07HB1-07255 |
| 3/8" (0.371" ± 0.002") | 7.5"   | 1000    | 240     | B1    | 15"          | DSW-RF07HB1-10005 |
| 3/8" (0.371" ± 0.002") | 8"     | 300     | 120     | F1    | 12"          | DSW-RF080F1-03002 |
| 3/8" (0.371" ± 0.002") | 8"     | 500     | 120     | F1    | 12"          | DSW-RF080F1-05002 |
| 3/8" (0.371" ± 0.002") | 8"     | 600     | 120     | F1    | 12"          | DSW-RF080F1-06002 |
| 3/8" (0.371" ± 0.002") | 8"     | 900     | 120     | F1    | 12"          | DSW-RF080F1-09002 |
| 3/8" (0.371" ± 0.002") | 8"     | 300     | 240     | F1    | 12"          | DSW-RF080F1-03005 |
| 3/8" (0.371" ± 0.002") | 8"     | 500     | 240     | F1    | 12"          | DSW-RF080F1-05005 |
| 3/8" (0.371" ± 0.002") | 8"     | 600     | 240     | F1    | 12"          | DSW-RF080F1-06005 |
| 3/8" (0.371" ± 0.002") | 8"     | 900     | 240     | F1    | 12"          | DSW-RF080F1-09005 |
| 3/8" (0.371" ± 0.002") | 8"     | 300     | 120     | B1    | 15"          | DSW-RF080B1-03002 |
| 3/8" (0.371" ± 0.002") | 8"     | 500     | 120     | B1    | 15"          | DSW-RF080B1-05002 |
| 3/8" (0.371" ± 0.002") | 8"     | 600     | 120     | B1    | 15"          | DSW-RF080B1-06002 |
| 3/8" (0.371" ± 0.002") | 8"     | 900     | 120     | B1    | 15"          | DSW-RF080B1-09002 |
| 3/8" (0.371" ± 0.002") | 8"     | 300     | 240     | B1    | 15"          | DSW-RF080B1-03005 |
| 3/8" (0.371" ± 0.002") | 8"     | 500     | 240     | B1    | 15"          | DSW-RF080B1-05005 |
| 3/8" (0.371" ± 0.002") | 8"     | 600     | 240     | B1    | 15"          | DSW-RF080B1-06005 |
| 3/8" (0.371" ± 0.002") | 8"     | 900     | 240     | B1    | 15"          | DSW-RF080B1-09005 |
| 3/8" (0.371" ± 0.002") | 9.5"   | 200     | 120     | F1    | 12"          | DSW-RF09HF1-02002 |
| 3/8" (0.371" ± 0.002") | 9.5"   | 600     | 120     | F1    | 12"          | DSW-RF09HF1-06002 |
| 3/8" (0.371" ± 0.002") | 9.5"   | 1000    | 120     | F1    | 12"          | DSW-RF09HF1-10002 |
| 3/8" (0.371" ± 0.002") | 9.5"   | 200     | 240     | F1    | 12"          | DSW-RF09HF1-02005 |
| 3/8" (0.371" ± 0.002") | 9.5"   | 600     | 240     | F1    | 12"          | DSW-RF09HF1-06005 |
| 3/8" (0.371" ± 0.002") | 9.5"   | 1000    | 240     | F1    | 12"          | DSW-RF09HF1-10005 |
| 3/8" (0.371" ± 0.002") | 9.5"   | 200     | 120     | B1    | 15"          | DSW-RF09HB1-02002 |
| 3/8" (0.371" ± 0.002") | 9.5"   | 600     | 120     | B1    | 15"          | DSW-RF09HB1-06002 |
| 3/8" (0.371" ± 0.002") | 9.5"   | 1000    | 120     | B1    | 15"          | DSW-RF09HB1-10002 |
| 3/8" (0.371" ± 0.002") | 9.5"   | 200     | 240     | B1    | 15"          | DSW-RF09HB1-02005 |
| 3/8" (0.371" ± 0.002") | 9.5"   | 600     | 240     | B1    | 15"          | DSW-RF09HB1-06005 |
| 3/8" (0.371" ± 0.002") | 9.5"   | 1000    | 240     | B1    | 15"          | DSW-RF09HB1-10005 |
| 3/8" (0.371" ± 0.002") | 10"    | 600     | 120     | F1    | 12"          | DSW-RF100F1-06002 |
| 3/8" (0.371" ± 0.002") | 10"    | 1000    | 120     | F1    | 12"          | DSW-RF100F1-10002 |
| 3/8" (0.371" ± 0.002") | 10"    | 600     | 240     | F1    | 12"          | DSW-RF100F1-06005 |
| 3/8" (0.371" ± 0.002") | 10"    | 1000    | 240     | F1    | 12"          | DSW-RF100F1-10005 |
| 3/8" (0.371" ± 0.002") | 10"    | 600     | 120     | B1    | 15"          | DSW-RF100B1-06002 |
| 3/8" (0.371" ± 0.002") | 10"    | 1000    | 120     | B1    | 15"          | DSW-RF100B1-10002 |
| 3/8" (0.371" ± 0.002") | 10"    | 600     | 240     | B1    | 15"          | DSW-RF100B1-06005 |
| 3/8" (0.371" ± 0.002") | 10"    | 1000    | 240     | B1    | 15"          | DSW-RF100B1-10005 |
| 3/8" (0.371" ± 0.002") | 10"    | 600     | 120     | C1    | 15"          | DSW-RF100C1-06002 |
| 3/8" (0.371" ± 0.002") | 10"    | 1000    | 120     | C1    | 15"          | DSW-RF100C1-10002 |
| 3/8" (0.371" ± 0.002") | 10"    | 600     | 240     | C1    | 15"          | DSW-RF100C1-06005 |
| 3/8" (0.371" ± 0.002") | 10"    | 1000    | 240     | C1    | 15"          | DSW-RF100C1-10005 |

Cartridge Heaters



# Magnum™ Cartridge Heaters

closing the loop on thermal solutions

## STANDARD CARTRIDGE HEATERS

| Diameter               | Length | Wattage | Voltage | Style | Leads Length | Part Numbers      |
|------------------------|--------|---------|---------|-------|--------------|-------------------|
| 1/2" (0.496" ± 0.002") | 1"     | 50      | 120     | F1    | 12"          | DSW-RH010F1-00502 |
| 1/2" (0.496" ± 0.002") | 1"     | 150     | 120     | F1    | 12"          | DSW-RH010F1-01502 |
| 1/2" (0.496" ± 0.002") | 1"     | 50      | 240     | F1    | 12"          | DSW-RH010F1-00505 |
| 1/2" (0.496" ± 0.002") | 1"     | 150     | 240     | F1    | 12"          | DSW-RH010F1-01505 |
| 1/2" (0.496" ± 0.002") | 1"     | 50      | 120     | B1    | 15"          | DSW-RH010B1-00502 |
| 1/2" (0.496" ± 0.002") | 1"     | 150     | 120     | B1    | 15"          | DSW-RH010B1-01502 |
| 1/2" (0.496" ± 0.002") | 1"     | 50      | 240     | B1    | 15"          | DSW-RH010B1-00505 |
| 1/2" (0.496" ± 0.002") | 1"     | 150     | 240     | B1    | 15"          | DSW-RH010B1-01505 |
| 1/2" (0.496" ± 0.002") | 1.5"   | 150     | 120     | F1    | 12"          | DSW-RH01HF1-01502 |
| 1/2" (0.496" ± 0.002") | 1.5"   | 200     | 120     | F1    | 12"          | DSW-RH01HF1-02002 |
| 1/2" (0.496" ± 0.002") | 1.5"   | 150     | 240     | F1    | 12"          | DSW-RH01HF1-01505 |
| 1/2" (0.496" ± 0.002") | 1.5"   | 200     | 240     | F1    | 12"          | DSW-RH01HF1-02005 |
| 1/2" (0.496" ± 0.002") | 1.5"   | 150     | 120     | B1    | 15"          | DSW-RH01HB1-01502 |
| 1/2" (0.496" ± 0.002") | 1.5"   | 200     | 120     | B1    | 15"          | DSW-RH01HB1-02002 |
| 1/2" (0.496" ± 0.002") | 1.5"   | 150     | 240     | B1    | 15"          | DSW-RH01HB1-01505 |
| 1/2" (0.496" ± 0.002") | 1.5"   | 200     | 240     | B1    | 15"          | DSW-RH01HB1-02005 |
| 1/2" (0.496" ± 0.002") | 2"     | 200     | 120     | F1    | 12"          | DSW-RH020F1-02002 |
| 1/2" (0.496" ± 0.002") | 2"     | 250     | 120     | F1    | 12"          | DSW-RH020F1-02502 |
| 1/2" (0.496" ± 0.002") | 2"     | 300     | 120     | F1    | 12"          | DSW-RH020F1-03002 |
| 1/2" (0.496" ± 0.002") | 2"     | 400     | 120     | F1    | 12"          | DSW-RH020F1-04002 |
| 1/2" (0.496" ± 0.002") | 2"     | 200     | 240     | F1    | 12"          | DSW-RH020F1-02005 |
| 1/2" (0.496" ± 0.002") | 2"     | 250     | 240     | F1    | 12"          | DSW-RH020F1-02505 |
| 1/2" (0.496" ± 0.002") | 2"     | 300     | 240     | F1    | 12"          | DSW-RH020F1-03005 |
| 1/2" (0.496" ± 0.002") | 2"     | 400     | 240     | F1    | 12"          | DSW-RH020F1-04005 |
| 1/2" (0.496" ± 0.002") | 2"     | 200     | 120     | B1    | 15"          | DSW-RH020B1-02002 |
| 1/2" (0.496" ± 0.002") | 2"     | 250     | 120     | B1    | 15"          | DSW-RH020B1-02502 |
| 1/2" (0.496" ± 0.002") | 2"     | 300     | 120     | B1    | 15"          | DSW-RH020B1-03002 |
| 1/2" (0.496" ± 0.002") | 2"     | 400     | 120     | B1    | 15"          | DSW-RH020B1-04002 |
| 1/2" (0.496" ± 0.002") | 2"     | 200     | 240     | B1    | 15"          | DSW-RH020B1-02005 |
| 1/2" (0.496" ± 0.002") | 2"     | 250     | 240     | B1    | 15"          | DSW-RH020B1-02505 |
| 1/2" (0.496" ± 0.002") | 2"     | 300     | 240     | B1    | 15"          | DSW-RH020B1-03005 |
| 1/2" (0.496" ± 0.002") | 2"     | 400     | 240     | B1    | 15"          | DSW-RH020B1-04005 |
| 1/2" (0.496" ± 0.002") | 2"     | 200     | 120     | C1    | 15"          | DSW-RH020C1-02002 |
| 1/2" (0.496" ± 0.002") | 2"     | 250     | 120     | C1    | 15"          | DSW-RH020C1-02502 |
| 1/2" (0.496" ± 0.002") | 2"     | 300     | 120     | C1    | 15"          | DSW-RH020C1-03002 |
| 1/2" (0.496" ± 0.002") | 2"     | 400     | 120     | C1    | 15"          | DSW-RH020C1-04002 |
| 1/2" (0.496" ± 0.002") | 2"     | 200     | 240     | C1    | 15"          | DSW-RH020C1-02005 |
| 1/2" (0.496" ± 0.002") | 2"     | 250     | 240     | C1    | 15"          | DSW-RH020C1-02505 |
| 1/2" (0.496" ± 0.002") | 2"     | 300     | 240     | C1    | 15"          | DSW-RH020C1-03005 |
| 1/2" (0.496" ± 0.002") | 2"     | 400     | 240     | C1    | 15"          | DSW-RH020C1-04005 |
| 1/2" (0.496" ± 0.002") | 2.5"   | 250     | 120     | F1    | 12"          | DSW-RH02HF1-02502 |
| 1/2" (0.496" ± 0.002") | 2.5"   | 300     | 120     | F1    | 12"          | DSW-RH02HF1-03002 |
| 1/2" (0.496" ± 0.002") | 2.5"   | 400     | 120     | F1    | 12"          | DSW-RH02HF1-04002 |
| 1/2" (0.496" ± 0.002") | 2.5"   | 500     | 120     | F1    | 12"          | DSW-RH02HF1-05002 |
| 1/2" (0.496" ± 0.002") | 2.5"   | 250     | 240     | F1    | 12"          | DSW-RH02HF1-02505 |
| 1/2" (0.496" ± 0.002") | 2.5"   | 300     | 240     | F1    | 12"          | DSW-RH02HF1-03005 |
| 1/2" (0.496" ± 0.002") | 2.5"   | 400     | 240     | F1    | 12"          | DSW-RH02HF1-04005 |
| 1/2" (0.496" ± 0.002") | 2.5"   | 500     | 240     | F1    | 12"          | DSW-RH02HF1-05005 |
| 1/2" (0.496" ± 0.002") | 2.5"   | 250     | 120     | B1    | 15"          | DSW-RH02HB1-02502 |
| 1/2" (0.496" ± 0.002") | 2.5"   | 300     | 120     | B1    | 15"          | DSW-RH02HB1-03002 |
| 1/2" (0.496" ± 0.002") | 2.5"   | 400     | 120     | B1    | 15"          | DSW-RH02HB1-04002 |
| 1/2" (0.496" ± 0.002") | 2.5"   | 500     | 120     | B1    | 15"          | DSW-RH02HB1-05002 |
| 1/2" (0.496" ± 0.002") | 2.5"   | 250     | 240     | B1    | 15"          | DSW-RH02HB1-02505 |

Cartridge Heaters



# Magnum™ Cartridge Heaters

closing the loop on thermal solutions

## STANDARD CARTRIDGE HEATERS

| Diameter               | Length | Wattage | Voltage | Style | Leads Length | Part Numbers      |
|------------------------|--------|---------|---------|-------|--------------|-------------------|
| 1/2" (0.496" ± 0.002") | 2.5"   | 300     | 240     | B1    | 15"          | DSW-RH02HB1-03005 |
| 1/2" (0.496" ± 0.002") | 2.5"   | 400     | 240     | B1    | 15"          | DSW-RH02HB1-04005 |
| 1/2" (0.496" ± 0.002") | 2.5"   | 500     | 240     | B1    | 15"          | DSW-RH02HB1-05005 |
| 1/2" (0.496" ± 0.002") | 2.5"   | 250     | 120     | C1    | 15"          | DSW-RH02HC1-02502 |
| 1/2" (0.496" ± 0.002") | 2.5"   | 300     | 120     | C1    | 15"          | DSW-RH02HC1-03002 |
| 1/2" (0.496" ± 0.002") | 2.5"   | 400     | 120     | C1    | 15"          | DSW-RH02HC1-04002 |
| 1/2" (0.496" ± 0.002") | 2.5"   | 500     | 120     | C1    | 15"          | DSW-RH02HC1-05002 |
| 1/2" (0.496" ± 0.002") | 2.5"   | 250     | 240     | C1    | 15"          | DSW-RH02HC1-02505 |
| 1/2" (0.496" ± 0.002") | 2.5"   | 300     | 240     | C1    | 15"          | DSW-RH02HC1-03005 |
| 1/2" (0.496" ± 0.002") | 2.5"   | 400     | 240     | C1    | 15"          | DSW-RH02HC1-04005 |
| 1/2" (0.496" ± 0.002") | 2.5"   | 500     | 240     | C1    | 15"          | DSW-RH02HC1-05005 |
| 1/2" (0.496" ± 0.002") | 3"     | 250     | 120     | F1    | 12"          | DSW-RH030F1-02502 |
| 1/2" (0.496" ± 0.002") | 3"     | 300     | 120     | F1    | 12"          | DSW-RH030F1-03002 |
| 1/2" (0.496" ± 0.002") | 3"     | 400     | 120     | F1    | 12"          | DSW-RH030F1-04002 |
| 1/2" (0.496" ± 0.002") | 3"     | 500     | 120     | F1    | 12"          | DSW-RH030F1-05002 |
| 1/2" (0.496" ± 0.002") | 3"     | 250     | 240     | F1    | 12"          | DSW-RH030F1-02505 |
| 1/2" (0.496" ± 0.002") | 3"     | 300     | 240     | F1    | 12"          | DSW-RH030F1-03005 |
| 1/2" (0.496" ± 0.002") | 3"     | 400     | 240     | F1    | 12"          | DSW-RH030F1-04005 |
| 1/2" (0.496" ± 0.002") | 3"     | 500     | 240     | F1    | 12"          | DSW-RH030F1-05005 |
| 1/2" (0.496" ± 0.002") | 3"     | 250     | 120     | B1    | 15"          | DSW-RH030B1-02502 |
| 1/2" (0.496" ± 0.002") | 3"     | 300     | 120     | B1    | 15"          | DSW-RH030B1-03002 |
| 1/2" (0.496" ± 0.002") | 3"     | 400     | 120     | B1    | 15"          | DSW-RH030B1-04002 |
| 1/2" (0.496" ± 0.002") | 3"     | 500     | 120     | B1    | 15"          | DSW-RH030B1-05002 |
| 1/2" (0.496" ± 0.002") | 3"     | 250     | 240     | B1    | 15"          | DSW-RH030B1-02505 |
| 1/2" (0.496" ± 0.002") | 3"     | 300     | 240     | B1    | 15"          | DSW-RH030B1-03005 |
| 1/2" (0.496" ± 0.002") | 3"     | 400     | 240     | B1    | 15"          | DSW-RH030B1-04005 |
| 1/2" (0.496" ± 0.002") | 3"     | 500     | 240     | B1    | 15"          | DSW-RH030B1-05005 |
| 1/2" (0.496" ± 0.002") | 3"     | 250     | 120     | C1    | 15"          | DSW-RH030C1-02502 |
| 1/2" (0.496" ± 0.002") | 3"     | 300     | 120     | C1    | 15"          | DSW-RH030C1-03002 |
| 1/2" (0.496" ± 0.002") | 3"     | 400     | 120     | C1    | 15"          | DSW-RH030C1-04002 |
| 1/2" (0.496" ± 0.002") | 3"     | 500     | 120     | C1    | 15"          | DSW-RH030C1-05002 |
| 1/2" (0.496" ± 0.002") | 3"     | 250     | 240     | C1    | 15"          | DSW-RH030C1-02505 |
| 1/2" (0.496" ± 0.002") | 3"     | 300     | 240     | C1    | 15"          | DSW-RH030C1-03005 |
| 1/2" (0.496" ± 0.002") | 3"     | 400     | 240     | C1    | 15"          | DSW-RH030C1-04005 |
| 1/2" (0.496" ± 0.002") | 3"     | 500     | 240     | C1    | 15"          | DSW-RH030C1-05005 |
| 1/2" (0.496" ± 0.002") | 3.5"   | 250     | 120     | F1    | 12"          | DSW-RH03HF1-02502 |
| 1/2" (0.496" ± 0.002") | 3.5"   | 500     | 120     | F1    | 12"          | DSW-RH03HF1-05002 |
| 1/2" (0.496" ± 0.002") | 3.5"   | 250     | 240     | F1    | 12"          | DSW-RH03HF1-02505 |
| 1/2" (0.496" ± 0.002") | 3.5"   | 500     | 240     | F1    | 12"          | DSW-RH03HF1-05005 |
| 1/2" (0.496" ± 0.002") | 3.5"   | 250     | 120     | B1    | 15"          | DSW-RH03HB1-02502 |
| 1/2" (0.496" ± 0.002") | 3.5"   | 500     | 120     | B1    | 15"          | DSW-RH03HB1-05002 |
| 1/2" (0.496" ± 0.002") | 3.5"   | 250     | 240     | B1    | 15"          | DSW-RH03HB1-02505 |
| 1/2" (0.496" ± 0.002") | 3.5"   | 500     | 240     | B1    | 15"          | DSW-RH03HB1-05005 |
| 1/2" (0.496" ± 0.002") | 4"     | 300     | 120     | F1    | 12"          | DSW-RH040F1-03002 |
| 1/2" (0.496" ± 0.002") | 4"     | 400     | 120     | F1    | 12"          | DSW-RH040F1-04002 |
| 1/2" (0.496" ± 0.002") | 4"     | 500     | 120     | F1    | 12"          | DSW-RH040F1-05002 |
| 1/2" (0.496" ± 0.002") | 4"     | 750     | 120     | F1    | 12"          | DSW-RH040F1-07502 |
| 1/2" (0.496" ± 0.002") | 4"     | 300     | 240     | F1    | 12"          | DSW-RH040F1-03005 |
| 1/2" (0.496" ± 0.002") | 4"     | 400     | 240     | F1    | 12"          | DSW-RH040F1-04005 |
| 1/2" (0.496" ± 0.002") | 4"     | 500     | 240     | F1    | 12"          | DSW-RH040F1-05005 |
| 1/2" (0.496" ± 0.002") | 4"     | 750     | 240     | F1    | 12"          | DSW-RH040F1-07505 |
| 1/2" (0.496" ± 0.002") | 4"     | 300     | 120     | B1    | 15"          | DSW-RH040B1-03002 |
| 1/2" (0.496" ± 0.002") | 4"     | 400     | 120     | B1    | 15"          | DSW-RH040B1-04002 |

Cartridge Heaters



# Magnum™ Cartridge Heaters

closing the loop on thermal solutions

## STANDARD CARTRIDGE HEATERS

| Diameter               | Length | Wattage | Voltage | Style | Leads Length | Part Numbers      |
|------------------------|--------|---------|---------|-------|--------------|-------------------|
| 1/2" (0.496" ± 0.002") | 4"     | 500     | 120     | B1    | 15"          | DSW-RH040B1-05002 |
| 1/2" (0.496" ± 0.002") | 4"     | 750     | 120     | B1    | 15"          | DSW-RH040B1-07502 |
| 1/2" (0.496" ± 0.002") | 4"     | 300     | 240     | B1    | 15"          | DSW-RH040B1-03005 |
| 1/2" (0.496" ± 0.002") | 4"     | 400     | 240     | B1    | 15"          | DSW-RH040B1-04005 |
| 1/2" (0.496" ± 0.002") | 4"     | 500     | 240     | B1    | 15"          | DSW-RH040B1-05005 |
| 1/2" (0.496" ± 0.002") | 4"     | 750     | 240     | B1    | 15"          | DSW-RH040B1-07505 |
| 1/2" (0.496" ± 0.002") | 4"     | 300     | 120     | C1    | 15"          | DSW-RH040C1-03002 |
| 1/2" (0.496" ± 0.002") | 4"     | 400     | 120     | C1    | 15"          | DSW-RH040C1-04002 |
| 1/2" (0.496" ± 0.002") | 4"     | 500     | 120     | C1    | 15"          | DSW-RH040C1-05002 |
| 1/2" (0.496" ± 0.002") | 4"     | 750     | 120     | C1    | 15"          | DSW-RH040C1-07502 |
| 1/2" (0.496" ± 0.002") | 4"     | 300     | 240     | C1    | 15"          | DSW-RH040C1-03005 |
| 1/2" (0.496" ± 0.002") | 4"     | 400     | 240     | C1    | 15"          | DSW-RH040C1-04005 |
| 1/2" (0.496" ± 0.002") | 4"     | 500     | 240     | C1    | 15"          | DSW-RH040C1-05005 |
| 1/2" (0.496" ± 0.002") | 4"     | 750     | 240     | C1    | 15"          | DSW-RH040C1-07505 |
| 1/2" (0.496" ± 0.002") | 4.5"   | 500     | 120     | F1    | 12"          | DSW-RH04HF1-05002 |
| 1/2" (0.496" ± 0.002") | 4.5"   | 650     | 120     | F1    | 12"          | DSW-RH04HF1-06502 |
| 1/2" (0.496" ± 0.002") | 4.5"   | 750     | 120     | F1    | 12"          | DSW-RH04HF1-07502 |
| 1/2" (0.496" ± 0.002") | 4.5"   | 500     | 240     | F1    | 12"          | DSW-RH04HF1-05005 |
| 1/2" (0.496" ± 0.002") | 4.5"   | 650     | 240     | F1    | 12"          | DSW-RH04HF1-06505 |
| 1/2" (0.496" ± 0.002") | 4.5"   | 750     | 240     | F1    | 12"          | DSW-RH04HF1-07505 |
| 1/2" (0.496" ± 0.002") | 4.5"   | 500     | 120     | B1    | 15"          | DSW-RH04HB1-05002 |
| 1/2" (0.496" ± 0.002") | 4.5"   | 650     | 120     | B1    | 15"          | DSW-RH04HB1-06502 |
| 1/2" (0.496" ± 0.002") | 4.5"   | 750     | 120     | B1    | 15"          | DSW-RH04HB1-07502 |
| 1/2" (0.496" ± 0.002") | 4.5"   | 500     | 240     | B1    | 15"          | DSW-RH04HB1-05005 |
| 1/2" (0.496" ± 0.002") | 4.5"   | 650     | 240     | B1    | 15"          | DSW-RH04HB1-06505 |
| 1/2" (0.496" ± 0.002") | 4.5"   | 750     | 240     | B1    | 15"          | DSW-RH04HB1-07505 |
| 1/2" (0.496" ± 0.002") | 5"     | 200     | 120     | F1    | 12"          | DSW-RH050F1-02002 |
| 1/2" (0.496" ± 0.002") | 5"     | 400     | 120     | F1    | 12"          | DSW-RH050F1-04002 |
| 1/2" (0.496" ± 0.002") | 5"     | 500     | 120     | F1    | 12"          | DSW-RH050F1-05002 |
| 1/2" (0.496" ± 0.002") | 5"     | 750     | 120     | F1    | 12"          | DSW-RH050F1-07502 |
| 1/2" (0.496" ± 0.002") | 5"     | 200     | 240     | F1    | 12"          | DSW-RH050F1-02005 |
| 1/2" (0.496" ± 0.002") | 5"     | 400     | 240     | F1    | 12"          | DSW-RH050F1-04005 |
| 1/2" (0.496" ± 0.002") | 5"     | 500     | 240     | F1    | 12"          | DSW-RH050F1-05005 |
| 1/2" (0.496" ± 0.002") | 5"     | 750     | 240     | F1    | 12"          | DSW-RH050F1-07505 |
| 1/2" (0.496" ± 0.002") | 5"     | 200     | 120     | B1    | 15"          | DSW-RH050B1-02002 |
| 1/2" (0.496" ± 0.002") | 5"     | 400     | 120     | B1    | 15"          | DSW-RH050B1-04002 |
| 1/2" (0.496" ± 0.002") | 5"     | 500     | 120     | B1    | 15"          | DSW-RH050B1-05002 |
| 1/2" (0.496" ± 0.002") | 5"     | 750     | 120     | B1    | 15"          | DSW-RH050B1-07502 |
| 1/2" (0.496" ± 0.002") | 5"     | 200     | 240     | B1    | 15"          | DSW-RH050B1-02005 |
| 1/2" (0.496" ± 0.002") | 5"     | 400     | 240     | B1    | 15"          | DSW-RH050B1-04005 |
| 1/2" (0.496" ± 0.002") | 5"     | 500     | 240     | B1    | 15"          | DSW-RH050B1-05005 |
| 1/2" (0.496" ± 0.002") | 5"     | 750     | 240     | B1    | 15"          | DSW-RH050B1-07505 |
| 1/2" (0.496" ± 0.002") | 5"     | 200     | 120     | C1    | 15"          | DSW-RH050C1-02002 |
| 1/2" (0.496" ± 0.002") | 5"     | 400     | 120     | C1    | 15"          | DSW-RH050C1-04002 |
| 1/2" (0.496" ± 0.002") | 5"     | 500     | 120     | C1    | 15"          | DSW-RH050C1-05002 |
| 1/2" (0.496" ± 0.002") | 5"     | 750     | 120     | C1    | 15"          | DSW-RH050C1-07502 |
| 1/2" (0.496" ± 0.002") | 5"     | 200     | 240     | C1    | 15"          | DSW-RH050C1-02005 |
| 1/2" (0.496" ± 0.002") | 5"     | 400     | 240     | C1    | 15"          | DSW-RH050C1-04005 |
| 1/2" (0.496" ± 0.002") | 5"     | 500     | 240     | C1    | 15"          | DSW-RH050C1-05005 |
| 1/2" (0.496" ± 0.002") | 5"     | 750     | 240     | C1    | 15"          | DSW-RH050C1-07505 |
| 1/2" (0.496" ± 0.002") | 5.5"   | 500     | 120     | F1    | 12"          | DSW-RH05HF1-05002 |
| 1/2" (0.496" ± 0.002") | 5.5"   | 750     | 120     | F1    | 12"          | DSW-RH05HF1-07502 |
| 1/2" (0.496" ± 0.002") | 5.5"   | 500     | 240     | F1    | 12"          | DSW-RH05HF1-05005 |

Cartridge Heaters



# Magnum™ Cartridge Heaters

closing the loop on thermal solutions

## STANDARD CARTRIDGE HEATERS

| Diameter               | Length | Wattage | Voltage | Style | Leads Length | Part Numbers      |
|------------------------|--------|---------|---------|-------|--------------|-------------------|
| 1/2" (0.496" ± 0.002") | 5.5"   | 750     | 240     | F1    | 12"          | DSW-RH05HF1-07505 |
| 1/2" (0.496" ± 0.002") | 5.5"   | 500     | 120     | B1    | 15"          | DSW-RH05HB1-05002 |
| 1/2" (0.496" ± 0.002") | 5.5"   | 750     | 120     | B1    | 15"          | DSW-RH05HB1-07502 |
| 1/2" (0.496" ± 0.002") | 5.5"   | 500     | 240     | B1    | 15"          | DSW-RH05HB1-05005 |
| 1/2" (0.496" ± 0.002") | 5.5"   | 750     | 240     | B1    | 15"          | DSW-RH05HB1-07505 |
| 1/2" (0.496" ± 0.002") | 6"     | 500     | 120     | F1    | 12"          | DSW-RH060F1-05002 |
| 1/2" (0.496" ± 0.002") | 6"     | 750     | 120     | F1    | 12"          | DSW-RH060F1-07502 |
| 1/2" (0.496" ± 0.002") | 6"     | 850     | 120     | F1    | 12"          | DSW-RH060F1-08502 |
| 1/2" (0.496" ± 0.002") | 6"     | 1000    | 120     | F1    | 12"          | DSW-RH060F1-10002 |
| 1/2" (0.496" ± 0.002") | 6"     | 500     | 240     | F1    | 12"          | DSW-RH060F1-05005 |
| 1/2" (0.496" ± 0.002") | 6"     | 750     | 240     | F1    | 12"          | DSW-RH060F1-07505 |
| 1/2" (0.496" ± 0.002") | 6"     | 850     | 240     | F1    | 12"          | DSW-RH060F1-08505 |
| 1/2" (0.496" ± 0.002") | 6"     | 1000    | 240     | F1    | 12"          | DSW-RH060F1-10005 |
| 1/2" (0.496" ± 0.002") | 6"     | 500     | 120     | B1    | 15"          | DSW-RH060B1-05002 |
| 1/2" (0.496" ± 0.002") | 6"     | 750     | 120     | B1    | 15"          | DSW-RH060B1-07502 |
| 1/2" (0.496" ± 0.002") | 6"     | 850     | 120     | B1    | 15"          | DSW-RH060B1-08502 |
| 1/2" (0.496" ± 0.002") | 6"     | 1000    | 120     | B1    | 15"          | DSW-RH060B1-10002 |
| 1/2" (0.496" ± 0.002") | 6"     | 500     | 240     | B1    | 15"          | DSW-RH060B1-05005 |
| 1/2" (0.496" ± 0.002") | 6"     | 750     | 240     | B1    | 15"          | DSW-RH060B1-07505 |
| 1/2" (0.496" ± 0.002") | 6"     | 850     | 240     | B1    | 15"          | DSW-RH060B1-08505 |
| 1/2" (0.496" ± 0.002") | 6"     | 1000    | 240     | B1    | 15"          | DSW-RH060B1-10005 |
| 1/2" (0.496" ± 0.002") | 6"     | 500     | 120     | C1    | 15"          | DSW-RH060C1-05002 |
| 1/2" (0.496" ± 0.002") | 6"     | 750     | 120     | C1    | 15"          | DSW-RH060C1-07502 |
| 1/2" (0.496" ± 0.002") | 6"     | 850     | 120     | C1    | 15"          | DSW-RH060C1-08502 |
| 1/2" (0.496" ± 0.002") | 6"     | 1000    | 120     | C1    | 15"          | DSW-RH060C1-10002 |
| 1/2" (0.496" ± 0.002") | 6"     | 500     | 240     | C1    | 15"          | DSW-RH060C1-05005 |
| 1/2" (0.496" ± 0.002") | 6"     | 750     | 240     | C1    | 15"          | DSW-RH060C1-07505 |
| 1/2" (0.496" ± 0.002") | 6"     | 850     | 240     | C1    | 15"          | DSW-RH060C1-08505 |
| 1/2" (0.496" ± 0.002") | 6"     | 1000    | 240     | C1    | 15"          | DSW-RH060C1-10005 |
| 1/2" (0.496" ± 0.002") | 7"     | 500     | 120     | F1    | 12"          | DSW-RH070F1-05002 |
| 1/2" (0.496" ± 0.002") | 7"     | 600     | 120     | F1    | 12"          | DSW-RH070F1-06002 |
| 1/2" (0.496" ± 0.002") | 7"     | 1000    | 120     | F1    | 12"          | DSW-RH070F1-10002 |
| 1/2" (0.496" ± 0.002") | 7"     | 500     | 240     | F1    | 12"          | DSW-RH070F1-05005 |
| 1/2" (0.496" ± 0.002") | 7"     | 600     | 240     | F1    | 12"          | DSW-RH070F1-06005 |
| 1/2" (0.496" ± 0.002") | 7"     | 1000    | 240     | F1    | 12"          | DSW-RH070F1-10005 |
| 1/2" (0.496" ± 0.002") | 7"     | 500     | 120     | B1    | 15"          | DSW-RH070B1-05002 |
| 1/2" (0.496" ± 0.002") | 7"     | 600     | 120     | B1    | 15"          | DSW-RH070B1-06002 |
| 1/2" (0.496" ± 0.002") | 7"     | 1000    | 120     | B1    | 15"          | DSW-RH070B1-10002 |
| 1/2" (0.496" ± 0.002") | 7"     | 500     | 240     | B1    | 15"          | DSW-RH070B1-05005 |
| 1/2" (0.496" ± 0.002") | 7"     | 600     | 240     | B1    | 15"          | DSW-RH070B1-06005 |
| 1/2" (0.496" ± 0.002") | 7"     | 1000    | 240     | B1    | 15"          | DSW-RH070B1-10005 |
| 1/2" (0.496" ± 0.002") | 7.5"   | 500     | 120     | F1    | 12"          | DSW-RH07HF1-05002 |
| 1/2" (0.496" ± 0.002") | 7.5"   | 1000    | 120     | F1    | 12"          | DSW-RH07HF1-10002 |
| 1/2" (0.496" ± 0.002") | 7.5"   | 500     | 240     | F1    | 12"          | DSW-RH07HF1-05005 |
| 1/2" (0.496" ± 0.002") | 7.5"   | 1000    | 240     | F1    | 12"          | DSW-RH07HF1-10005 |
| 1/2" (0.496" ± 0.002") | 7.5"   | 500     | 120     | B1    | 15"          | DSW-RH07HB1-05002 |
| 1/2" (0.496" ± 0.002") | 7.5"   | 1000    | 120     | B1    | 15"          | DSW-RH07HB1-10002 |
| 1/2" (0.496" ± 0.002") | 7.5"   | 500     | 240     | B1    | 15"          | DSW-RH07HB1-05005 |
| 1/2" (0.496" ± 0.002") | 7.5"   | 1000    | 240     | B1    | 15"          | DSW-RH07HB1-10005 |
| 1/2" (0.496" ± 0.002") | 8"     | 500     | 120     | F1    | 12"          | DSW-RH080F1-05002 |
| 1/2" (0.496" ± 0.002") | 8"     | 750     | 120     | F1    | 12"          | DSW-RH080F1-07502 |
| 1/2" (0.496" ± 0.002") | 8"     | 1000    | 120     | F1    | 12"          | DSW-RH080F1-10002 |
| 1/2" (0.496" ± 0.002") | 8"     | 500     | 240     | F1    | 12"          | DSW-RH080F1-05005 |

Cartridge Heaters



# Magnum™ Cartridge Heaters

closing the loop on thermal solutions

## STANDARD CARTRIDGE HEATERS

| Diameter               | Length | Wattage | Voltage | Style | Leads Length | Part Numbers      |
|------------------------|--------|---------|---------|-------|--------------|-------------------|
| 1/2" (0.496" ± 0.002") | 8"     | 750     | 240     | F1    | 12"          | DSW-RH080F1-07505 |
| 1/2" (0.496" ± 0.002") | 8"     | 1000    | 240     | F1    | 12"          | DSW-RH080F1-10005 |
| 1/2" (0.496" ± 0.002") | 8"     | 500     | 120     | B1    | 15"          | DSW-RH080B1-05002 |
| 1/2" (0.496" ± 0.002") | 8"     | 750     | 120     | B1    | 15"          | DSW-RH080B1-07502 |
| 1/2" (0.496" ± 0.002") | 8"     | 1000    | 120     | B1    | 15"          | DSW-RH080B1-10002 |
| 1/2" (0.496" ± 0.002") | 8"     | 500     | 240     | B1    | 15"          | DSW-RH080B1-05005 |
| 1/2" (0.496" ± 0.002") | 8"     | 750     | 240     | B1    | 15"          | DSW-RH080B1-07505 |
| 1/2" (0.496" ± 0.002") | 8"     | 1000    | 240     | B1    | 15"          | DSW-RH080B1-10005 |
| 1/2" (0.496" ± 0.002") | 8"     | 500     | 120     | C1    | 15"          | DSW-RH080C1-05002 |
| 1/2" (0.496" ± 0.002") | 8"     | 750     | 120     | C1    | 15"          | DSW-RH080C1-07502 |
| 1/2" (0.496" ± 0.002") | 8"     | 1000    | 120     | C1    | 15"          | DSW-RH080C1-10002 |
| 1/2" (0.496" ± 0.002") | 8"     | 500     | 240     | C1    | 15"          | DSW-RH080C1-05005 |
| 1/2" (0.496" ± 0.002") | 8"     | 750     | 240     | C1    | 15"          | DSW-RH080C1-07505 |
| 1/2" (0.496" ± 0.002") | 8"     | 1000    | 240     | C1    | 15"          | DSW-RH080C1-10005 |
| 1/2" (0.496" ± 0.002") | 9.5"   | 800     | 120     | F1    | 12"          | DSW-RH09HF1-08002 |
| 1/2" (0.496" ± 0.002") | 9.5"   | 1000    | 120     | F1    | 12"          | DSW-RH09HF1-10002 |
| 1/2" (0.496" ± 0.002") | 9.5"   | 800     | 240     | F1    | 12"          | DSW-RH09HF1-08005 |
| 1/2" (0.496" ± 0.002") | 9.5"   | 1000    | 240     | F1    | 12"          | DSW-RH09HF1-10005 |
| 1/2" (0.496" ± 0.002") | 9.5"   | 800     | 120     | B1    | 15"          | DSW-RH09HB1-08002 |
| 1/2" (0.496" ± 0.002") | 9.5"   | 1000    | 120     | B1    | 15"          | DSW-RH09HB1-10002 |
| 1/2" (0.496" ± 0.002") | 9.5"   | 800     | 240     | B1    | 15"          | DSW-RH09HB1-08005 |
| 1/2" (0.496" ± 0.002") | 9.5"   | 1000    | 240     | B1    | 15"          | DSW-RH09HB1-10005 |
| 1/2" (0.496" ± 0.002") | 10"    | 500     | 120     | F1    | 12"          | DSW-RH100F1-05002 |
| 1/2" (0.496" ± 0.002") | 10"    | 1000    | 120     | F1    | 12"          | DSW-RH100F1-10002 |
| 1/2" (0.496" ± 0.002") | 10"    | 1500    | 120     | F1    | 12"          | DSW-RH100F1-15002 |
| 1/2" (0.496" ± 0.002") | 10"    | 500     | 240     | F1    | 12"          | DSW-RH100F1-05005 |
| 1/2" (0.496" ± 0.002") | 10"    | 1000    | 240     | F1    | 12"          | DSW-RH100F1-10005 |
| 1/2" (0.496" ± 0.002") | 10"    | 1500    | 240     | F1    | 12"          | DSW-RH100F1-15005 |
| 1/2" (0.496" ± 0.002") | 10"    | 500     | 120     | B1    | 15"          | DSW-RH100B1-05002 |
| 1/2" (0.496" ± 0.002") | 10"    | 1000    | 120     | B1    | 15"          | DSW-RH100B1-10002 |
| 1/2" (0.496" ± 0.002") | 10"    | 1500    | 120     | B1    | 15"          | DSW-RH100B1-15002 |
| 1/2" (0.496" ± 0.002") | 10"    | 500     | 240     | B1    | 15"          | DSW-RH100B1-05005 |
| 1/2" (0.496" ± 0.002") | 10"    | 1000    | 240     | B1    | 15"          | DSW-RH100B1-10005 |
| 1/2" (0.496" ± 0.002") | 10"    | 1500    | 240     | B1    | 15"          | DSW-RH100B1-15005 |
| 1/2" (0.496" ± 0.002") | 10"    | 500     | 120     | C1    | 15"          | DSW-RH100C1-05002 |
| 1/2" (0.496" ± 0.002") | 10"    | 1000    | 120     | C1    | 15"          | DSW-RH100C1-10002 |
| 1/2" (0.496" ± 0.002") | 10"    | 1500    | 120     | C1    | 15"          | DSW-RH100C1-15002 |
| 1/2" (0.496" ± 0.002") | 10"    | 500     | 240     | C1    | 15"          | DSW-RH100C1-05005 |
| 1/2" (0.496" ± 0.002") | 10"    | 1000    | 240     | C1    | 15"          | DSW-RH100C1-10005 |
| 1/2" (0.496" ± 0.002") | 10"    | 1500    | 240     | C1    | 15"          | DSW-RH100C1-15005 |
| 5/8" (0.621" ± 0.002") | 2"     | 200     | 120     | F1    | 12"          | DSW-RK020F1-02002 |
| 5/8" (0.621" ± 0.002") | 2"     | 250     | 120     | F1    | 12"          | DSW-RK020F1-02502 |
| 5/8" (0.621" ± 0.002") | 2"     | 200     | 240     | F1    | 12"          | DSW-RK020F1-02005 |
| 5/8" (0.621" ± 0.002") | 2"     | 250     | 240     | F1    | 12"          | DSW-RK020F1-02505 |
| 5/8" (0.621" ± 0.002") | 2"     | 200     | 120     | B1    | 15"          | DSW-RK020B1-02002 |
| 5/8" (0.621" ± 0.002") | 2"     | 250     | 120     | B1    | 15"          | DSW-RK020B1-02502 |
| 5/8" (0.621" ± 0.002") | 2"     | 200     | 240     | B1    | 15"          | DSW-RK020B1-02005 |
| 5/8" (0.621" ± 0.002") | 2"     | 250     | 240     | B1    | 15"          | DSW-RK020B1-02505 |
| 5/8" (0.621" ± 0.002") | 2.5"   | 275     | 120     | F1    | 12"          | DSW-RK02HF1-02752 |
| 5/8" (0.621" ± 0.002") | 2.5"   | 400     | 120     | F1    | 12"          | DSW-RK02HF1-04002 |
| 5/8" (0.621" ± 0.002") | 2.5"   | 275     | 240     | F1    | 12"          | DSW-RK02HF1-02755 |
| 5/8" (0.621" ± 0.002") | 2.5"   | 400     | 240     | F1    | 12"          | DSW-RK02HF1-04005 |

Cartridge Heaters



# Magnum™ Cartridge Heaters

*closing the loop on thermal solutions*

## STANDARD CARTRIDGE HEATERS

| Diameter               | Length | Wattage | Voltage | Style | Leads Length | Part Numbers      |
|------------------------|--------|---------|---------|-------|--------------|-------------------|
| 5/8" (0.621" ± 0.002") | 2.5"   | 275     | 120     | B1    | 15"          | DSW-RK02HB1-02752 |
| 5/8" (0.621" ± 0.002") | 2.5"   | 400     | 120     | B1    | 15"          | DSW-RK02HB1-04002 |
| 5/8" (0.621" ± 0.002") | 2.5"   | 275     | 240     | B1    | 15"          | DSW-RK02HB1-02755 |
| 5/8" (0.621" ± 0.002") | 2.5"   | 400     | 240     | B1    | 15"          | DSW-RK02HB1-04005 |
| 5/8" (0.621" ± 0.002") | 3"     | 250     | 120     | F1    | 12"          | DSW-RK030F1-02502 |
| 5/8" (0.621" ± 0.002") | 3"     | 500     | 120     | F1    | 12"          | DSW-RK030F1-05002 |
| 5/8" (0.621" ± 0.002") | 3"     | 750     | 120     | F1    | 12"          | DSW-RK030F1-07502 |
| 5/8" (0.621" ± 0.002") | 3"     | 250     | 240     | F1    | 12"          | DSW-RK030F1-02505 |
| 5/8" (0.621" ± 0.002") | 3"     | 500     | 240     | F1    | 12"          | DSW-RK030F1-05005 |
| 5/8" (0.621" ± 0.002") | 3"     | 750     | 240     | F1    | 12"          | DSW-RK030F1-07505 |
| 5/8" (0.621" ± 0.002") | 3"     | 250     | 120     | B1    | 15"          | DSW-RK030B1-02502 |
| 5/8" (0.621" ± 0.002") | 3"     | 500     | 120     | B1    | 15"          | DSW-RK030B1-05002 |
| 5/8" (0.621" ± 0.002") | 3"     | 750     | 120     | B1    | 15"          | DSW-RK030B1-07502 |
| 5/8" (0.621" ± 0.002") | 3"     | 250     | 240     | B1    | 15"          | DSW-RK030B1-02505 |
| 5/8" (0.621" ± 0.002") | 3"     | 500     | 240     | B1    | 15"          | DSW-RK030B1-05005 |
| 5/8" (0.621" ± 0.002") | 3"     | 750     | 240     | B1    | 15"          | DSW-RK030B1-07505 |
| 5/8" (0.621" ± 0.002") | 4"     | 250     | 120     | F1    | 12"          | DSW-RK040F1-02502 |
| 5/8" (0.621" ± 0.002") | 4"     | 500     | 120     | F1    | 12"          | DSW-RK040F1-05002 |
| 5/8" (0.621" ± 0.002") | 4"     | 750     | 120     | F1    | 12"          | DSW-RK040F1-07502 |
| 5/8" (0.621" ± 0.002") | 4"     | 250     | 240     | F1    | 12"          | DSW-RK040F1-02505 |
| 5/8" (0.621" ± 0.002") | 4"     | 500     | 240     | F1    | 12"          | DSW-RK040F1-05005 |
| 5/8" (0.621" ± 0.002") | 4"     | 750     | 240     | F1    | 12"          | DSW-RK040F1-07505 |
| 5/8" (0.621" ± 0.002") | 4"     | 250     | 120     | B1    | 15"          | DSW-RK040B1-02502 |
| 5/8" (0.621" ± 0.002") | 4"     | 500     | 120     | B1    | 15"          | DSW-RK040B1-05002 |
| 5/8" (0.621" ± 0.002") | 4"     | 750     | 120     | B1    | 15"          | DSW-RK040B1-07502 |
| 5/8" (0.621" ± 0.002") | 4"     | 250     | 240     | B1    | 15"          | DSW-RK040B1-02505 |
| 5/8" (0.621" ± 0.002") | 4"     | 500     | 240     | B1    | 15"          | DSW-RK040B1-05005 |
| 5/8" (0.621" ± 0.002") | 4"     | 750     | 240     | B1    | 15"          | DSW-RK040B1-07505 |
| 5/8" (0.621" ± 0.002") | 4.5"   | 750     | 120     | F1    | 12"          | DSW-RK04HF1-07502 |
| 5/8" (0.621" ± 0.002") | 4.5"   | 750     | 240     | F1    | 12"          | DSW-RK04HF1-07505 |
| 5/8" (0.621" ± 0.002") | 4.5"   | 750     | 120     | B1    | 15"          | DSW-RK04HB1-07502 |
| 5/8" (0.621" ± 0.002") | 4.5"   | 750     | 240     | B1    | 15"          | DSW-RK04HB1-07505 |
| 5/8" (0.621" ± 0.002") | 5"     | 500     | 120     | F1    | 12"          | DSW-RK050F1-05002 |
| 5/8" (0.621" ± 0.002") | 5"     | 750     | 120     | F1    | 12"          | DSW-RK050F1-07502 |
| 5/8" (0.621" ± 0.002") | 5"     | 1000    | 120     | F1    | 12"          | DSW-RK050F1-10002 |
| 5/8" (0.621" ± 0.002") | 5"     | 500     | 240     | F1    | 12"          | DSW-RK050F1-05005 |
| 5/8" (0.621" ± 0.002") | 5"     | 750     | 240     | F1    | 12"          | DSW-RK050F1-07505 |
| 5/8" (0.621" ± 0.002") | 5"     | 1000    | 240     | F1    | 12"          | DSW-RK050F1-10005 |
| 5/8" (0.621" ± 0.002") | 5"     | 500     | 120     | B1    | 15"          | DSW-RK050B1-05002 |
| 5/8" (0.621" ± 0.002") | 5"     | 750     | 120     | B1    | 15"          | DSW-RK050B1-07502 |
| 5/8" (0.621" ± 0.002") | 5"     | 1000    | 120     | B1    | 15"          | DSW-RK050B1-10002 |
| 5/8" (0.621" ± 0.002") | 5"     | 500     | 240     | B1    | 15"          | DSW-RK050B1-05005 |
| 5/8" (0.621" ± 0.002") | 5"     | 750     | 240     | B1    | 15"          | DSW-RK050B1-07505 |
| 5/8" (0.621" ± 0.002") | 5"     | 1000    | 240     | B1    | 15"          | DSW-RK050B1-10005 |
| 5/8" (0.621" ± 0.002") | 6"     | 500     | 120     | F1    | 12"          | DSW-RK060F1-05002 |
| 5/8" (0.621" ± 0.002") | 6"     | 750     | 120     | F1    | 12"          | DSW-RK060F1-07502 |
| 5/8" (0.621" ± 0.002") | 6"     | 1000    | 120     | F1    | 12"          | DSW-RK060F1-10002 |
| 5/8" (0.621" ± 0.002") | 6"     | 1500    | 120     | F1    | 12"          | DSW-RK060F1-15002 |
| 5/8" (0.621" ± 0.002") | 6"     | 500     | 240     | F1    | 12"          | DSW-RK060F1-05005 |
| 5/8" (0.621" ± 0.002") | 6"     | 750     | 240     | F1    | 12"          | DSW-RK060F1-07505 |
| 5/8" (0.621" ± 0.002") | 6"     | 1000    | 240     | F1    | 12"          | DSW-RK060F1-10005 |
| 5/8" (0.621" ± 0.002") | 6"     | 1500    | 240     | F1    | 12"          | DSW-RK060F1-15005 |
| 5/8" (0.621" ± 0.002") | 6"     | 500     | 120     | B1    | 15"          | DSW-RK060B1-05002 |

Cartridge Heaters



# Magnum™ Cartridge Heaters

closing the loop on thermal solutions

## STANDARD CARTRIDGE HEATERS

| Diameter               | Length | Wattage | Voltage | Style | Leads Length | Part Numbers      |
|------------------------|--------|---------|---------|-------|--------------|-------------------|
| 5/8" (0.621" ± 0.002") | 6"     | 750     | 120     | B1    | 15"          | DSW-RK060B1-07502 |
| 5/8" (0.621" ± 0.002") | 6"     | 1000    | 120     | B1    | 15"          | DSW-RK060B1-10002 |
| 5/8" (0.621" ± 0.002") | 6"     | 1500    | 120     | B1    | 15"          | DSW-RK060B1-15002 |
| 5/8" (0.621" ± 0.002") | 6"     | 500     | 240     | B1    | 15"          | DSW-RK060B1-05005 |
| 5/8" (0.621" ± 0.002") | 6"     | 750     | 240     | B1    | 15"          | DSW-RK060B1-07505 |
| 5/8" (0.621" ± 0.002") | 6"     | 1000    | 240     | B1    | 15"          | DSW-RK060B1-10005 |
| 5/8" (0.621" ± 0.002") | 6"     | 1500    | 240     | B1    | 15"          | DSW-RK060B1-15005 |
| 5/8" (0.621" ± 0.002") | 8"     | 1000    | 120     | F1    | 12"          | DSW-RK080F1-10002 |
| 5/8" (0.621" ± 0.002") | 8"     | 1200    | 120     | F1    | 12"          | DSW-RK080F1-12002 |
| 5/8" (0.621" ± 0.002") | 8"     | 1500    | 120     | F1    | 12"          | DSW-RK080F1-15002 |
| 5/8" (0.621" ± 0.002") | 8"     | 1000    | 240     | F1    | 12"          | DSW-RK080F1-10005 |
| 5/8" (0.621" ± 0.002") | 8"     | 1200    | 240     | F1    | 12"          | DSW-RK080F1-12005 |
| 5/8" (0.621" ± 0.002") | 8"     | 1500    | 240     | F1    | 12"          | DSW-RK080F1-15005 |
| 5/8" (0.621" ± 0.002") | 8"     | 1000    | 120     | B1    | 15"          | DSW-RK080B1-10002 |
| 5/8" (0.621" ± 0.002") | 8"     | 1200    | 120     | B1    | 15"          | DSW-RK080B1-12002 |
| 5/8" (0.621" ± 0.002") | 8"     | 1500    | 120     | B1    | 15"          | DSW-RK080B1-15002 |
| 5/8" (0.621" ± 0.002") | 8"     | 1000    | 240     | B1    | 15"          | DSW-RK080B1-10005 |
| 5/8" (0.621" ± 0.002") | 8"     | 1200    | 240     | B1    | 15"          | DSW-RK080B1-12005 |
| 5/8" (0.621" ± 0.002") | 8"     | 1500    | 240     | B1    | 15"          | DSW-RK080B1-15005 |
| 5/8" (0.621" ± 0.002") | 10"    | 800     | 120     | F1    | 12"          | DSW-RK100F1-08002 |
| 5/8" (0.621" ± 0.002") | 10"    | 1000    | 120     | F1    | 12"          | DSW-RK100F1-10002 |
| 5/8" (0.621" ± 0.002") | 10"    | 1500    | 120     | F1    | 12"          | DSW-RK100F1-15002 |
| 5/8" (0.621" ± 0.002") | 10"    | 800     | 240     | F1    | 12"          | DSW-RK100F1-08005 |
| 5/8" (0.621" ± 0.002") | 10"    | 1000    | 240     | F1    | 12"          | DSW-RK100F1-10005 |
| 5/8" (0.621" ± 0.002") | 10"    | 1500    | 240     | F1    | 12"          | DSW-RK100F1-15005 |
| 5/8" (0.621" ± 0.002") | 10"    | 800     | 120     | B1    | 15"          | DSW-RK100B1-08002 |
| 5/8" (0.621" ± 0.002") | 10"    | 1000    | 120     | B1    | 15"          | DSW-RK100B1-10002 |
| 5/8" (0.621" ± 0.002") | 10"    | 1500    | 120     | B1    | 15"          | DSW-RK100B1-15002 |
| 5/8" (0.621" ± 0.002") | 10"    | 800     | 240     | B1    | 15"          | DSW-RK100B1-08005 |
| 5/8" (0.621" ± 0.002") | 10"    | 1000    | 240     | B1    | 15"          | DSW-RK100B1-10005 |
| 5/8" (0.621" ± 0.002") | 10"    | 1500    | 240     | B1    | 15"          | DSW-RK100B1-15005 |
| 3/4" (0.746" ± 0.002") | 3"     | 500     | 120     | F1    | 12"          | DSW-RM030F1-05002 |
| 3/4" (0.746" ± 0.002") | 3"     | 600     | 120     | F1    | 12"          | DSW-RM030F1-06002 |
| 3/4" (0.746" ± 0.002") | 3"     | 500     | 240     | F1    | 12"          | DSW-RM030F1-05005 |
| 3/4" (0.746" ± 0.002") | 3"     | 600     | 240     | F1    | 12"          | DSW-RM030F1-06005 |
| 3/4" (0.746" ± 0.002") | 3"     | 500     | 120     | B1    | 15"          | DSW-RM030B1-05002 |
| 3/4" (0.746" ± 0.002") | 3"     | 600     | 120     | B1    | 15"          | DSW-RM030B1-06002 |
| 3/4" (0.746" ± 0.002") | 3"     | 500     | 240     | B1    | 15"          | DSW-RM030B1-05005 |
| 3/4" (0.746" ± 0.002") | 3"     | 600     | 240     | B1    | 15"          | DSW-RM030B1-06005 |
| 3/4" (0.746" ± 0.002") | 4"     | 500     | 120     | F1    | 12"          | DSW-RM040F1-05002 |
| 3/4" (0.746" ± 0.002") | 4"     | 1000    | 120     | F1    | 12"          | DSW-RM040F1-10002 |
| 3/4" (0.746" ± 0.002") | 4"     | 500     | 240     | F1    | 12"          | DSW-RM040F1-05005 |
| 3/4" (0.746" ± 0.002") | 4"     | 1000    | 240     | F1    | 12"          | DSW-RM040F1-10005 |
| 3/4" (0.746" ± 0.002") | 4"     | 500     | 120     | B1    | 15"          | DSW-RM040B1-05002 |
| 3/4" (0.746" ± 0.002") | 4"     | 1000    | 120     | B1    | 15"          | DSW-RM040B1-10002 |
| 3/4" (0.746" ± 0.002") | 4"     | 500     | 240     | B1    | 15"          | DSW-RM040B1-05005 |
| 3/4" (0.746" ± 0.002") | 4"     | 1000    | 240     | B1    | 15"          | DSW-RM040B1-10005 |
| 3/4" (0.746" ± 0.002") | 5"     | 500     | 120     | F1    | 12"          | DSW-RM050F1-05002 |
| 3/4" (0.746" ± 0.002") | 5"     | 1000    | 120     | F1    | 12"          | DSW-RM050F1-10002 |
| 3/4" (0.746" ± 0.002") | 5"     | 500     | 240     | F1    | 12"          | DSW-RM050F1-05005 |
| 3/4" (0.746" ± 0.002") | 5"     | 1000    | 240     | F1    | 12"          | DSW-RM050F1-10005 |
| 3/4" (0.746" ± 0.002") | 5"     | 500     | 120     | B1    | 15"          | DSW-RM050B1-05002 |

Cartridge Heaters





# Magnum™ Cartridge Heaters

closing the loop on thermal solutions

## STANDARD CARTRIDGE HEATERS

| Diameter               | Length | Wattage | Voltage | Style | Leads Length | Part Numbers      |
|------------------------|--------|---------|---------|-------|--------------|-------------------|
| 3/4" (0.746" ± 0.002") | 5"     | 1000    | 120     | B1    | 15"          | DSW-RM050B1-10002 |
| 3/4" (0.746" ± 0.002") | 5"     | 500     | 240     | B1    | 15"          | DSW-RM050B1-05005 |
| 3/4" (0.746" ± 0.002") | 5"     | 1000    | 240     | B1    | 15"          | DSW-RM050B1-10005 |
| 3/4" (0.746" ± 0.002") | 6"     | 1000    | 120     | F1    | 12"          | DSW-RM060F1-10002 |
| 3/4" (0.746" ± 0.002") | 6"     | 1200    | 120     | F1    | 12"          | DSW-RM060F1-12002 |
| 3/4" (0.746" ± 0.002") | 6"     | 2000    | 120     | F1    | 12"          | DSW-RM060F1-20002 |
| 3/4" (0.746" ± 0.002") | 6"     | 1000    | 240     | F1    | 12"          | DSW-RM060F1-10005 |
| 3/4" (0.746" ± 0.002") | 6"     | 1200    | 240     | F1    | 12"          | DSW-RM060F1-12005 |
| 3/4" (0.746" ± 0.002") | 6"     | 2000    | 240     | F1    | 12"          | DSW-RM060F1-20005 |
| 3/4" (0.746" ± 0.002") | 6"     | 1000    | 120     | B1    | 15"          | DSW-RM060B1-10002 |
| 3/4" (0.746" ± 0.002") | 6"     | 1200    | 120     | B1    | 15"          | DSW-RM060B1-12002 |
| 3/4" (0.746" ± 0.002") | 6"     | 2000    | 120     | B1    | 15"          | DSW-RM060B1-20002 |
| 3/4" (0.746" ± 0.002") | 6"     | 1000    | 240     | B1    | 15"          | DSW-RM060B1-10005 |
| 3/4" (0.746" ± 0.002") | 6"     | 1200    | 240     | B1    | 15"          | DSW-RM060B1-12005 |
| 3/4" (0.746" ± 0.002") | 6"     | 2000    | 240     | B1    | 15"          | DSW-RM060B1-20005 |
| 3/4" (0.746" ± 0.002") | 7"     | 1000    | 120     | F1    | 12"          | DSW-RM070F1-10002 |
| 3/4" (0.746" ± 0.002") | 7"     | 1500    | 120     | F1    | 12"          | DSW-RM070F1-15002 |
| 3/4" (0.746" ± 0.002") | 7"     | 1000    | 240     | F1    | 12"          | DSW-RM070F1-10005 |
| 3/4" (0.746" ± 0.002") | 7"     | 1500    | 240     | F1    | 12"          | DSW-RM070F1-15005 |
| 3/4" (0.746" ± 0.002") | 7"     | 1000    | 120     | B1    | 15"          | DSW-RM070B1-10002 |
| 3/4" (0.746" ± 0.002") | 7"     | 1500    | 120     | B1    | 15"          | DSW-RM070B1-15002 |
| 3/4" (0.746" ± 0.002") | 7"     | 1000    | 240     | B1    | 15"          | DSW-RM070B1-10005 |
| 3/4" (0.746" ± 0.002") | 7"     | 1500    | 240     | B1    | 15"          | DSW-RM070B1-15005 |
| 3/4" (0.746" ± 0.002") | 8"     | 1000    | 120     | F1    | 12"          | DSW-RM080F1-10002 |
| 3/4" (0.746" ± 0.002") | 8"     | 2000    | 120     | F1    | 12"          | DSW-RM080F1-20002 |
| 3/4" (0.746" ± 0.002") | 8"     | 1000    | 240     | F1    | 12"          | DSW-RM080F1-10005 |
| 3/4" (0.746" ± 0.002") | 8"     | 2000    | 240     | F1    | 12"          | DSW-RM080F1-20005 |
| 3/4" (0.746" ± 0.002") | 8"     | 1000    | 120     | B1    | 15"          | DSW-RM080B1-10002 |
| 3/4" (0.746" ± 0.002") | 8"     | 2000    | 120     | B1    | 15"          | DSW-RM080B1-20002 |
| 3/4" (0.746" ± 0.002") | 8"     | 1000    | 240     | B1    | 15"          | DSW-RM080B1-10005 |
| 3/4" (0.746" ± 0.002") | 8"     | 2000    | 240     | B1    | 15"          | DSW-RM080B1-20005 |
| 3/4" (0.746" ± 0.002") | 10"    | 1000    | 120     | F1    | 12"          | DSW-RM100F1-10002 |
| 3/4" (0.746" ± 0.002") | 10"    | 2000    | 120     | F1    | 12"          | DSW-RM100F1-20002 |
| 3/4" (0.746" ± 0.002") | 10"    | 1000    | 240     | F1    | 12"          | DSW-RM100F1-10005 |
| 3/4" (0.746" ± 0.002") | 10"    | 2000    | 240     | F1    | 12"          | DSW-RM100F1-20005 |
| 3/4" (0.746" ± 0.002") | 10"    | 1000    | 120     | B1    | 15"          | DSW-RM100B1-10002 |
| 3/4" (0.746" ± 0.002") | 10"    | 2000    | 120     | B1    | 15"          | DSW-RM100B1-20002 |
| 3/4" (0.746" ± 0.002") | 10"    | 1000    | 240     | B1    | 15"          | DSW-RM100B1-10005 |
| 3/4" (0.746" ± 0.002") | 10"    | 2000    | 240     | B1    | 15"          | DSW-RM100B1-20005 |

Cartridge Heaters