







**CONCENTRIC EXHAUST**



**SINGLE VENT**



**OUTDOOR EXHAUST**

| NR                                 | DURABLE MODELS (ProTough)   |   | AFFORDABLE MODELS (ValueSolutions)  |   |                    |
|------------------------------------|---|---|---|---|--------------------|
|                                    |  Low NOx |  Low NOx |  Low NOx |  Low NOx |                    |
| <b>Model</b>                       | <b>NR981</b>  |   | <b>NR83</b>   | <b>NR662</b>  | <b>NR501</b>       |
| <b>Vent Type</b>                   | SV DVC OD   |   | DVC   | OD  | OD                 |
| <b>Dimensions (inches)</b>         | SV/OD: 24.2 X 13.8 X 9.4<br>DVC: 24.2 X 13.8 X 11   |   | 24.2 X 13.8 X 9.4   | 20.5 X 13.8 X 6.7   | 20.5 X 13.8 X 6.7  |
| <b>Weight (lbs)</b>                | SV/OD: 54 lbs.<br>DVC: 59 lbs.  |   | 49 lbs.   | 35 lbs.   | 32 lbs.            |
| <b>Min./Max. Btuh</b>              | 16,000 - 199,900  |   | 18,000 - 180,000  | 15,000 - 140,000  | 15,000 - 120,000   |
| <b>Energy Factor</b>               | LP  | NG  | LP: 0.82, NG: 0.85  | LP: 0.87, NG: 0.85  | LP: 0.86, NG: 0.85 |
|                                    | SV  | 0.88  | 0.83  |   |                    |
|                                    | DVC   | 0.88  | 0.82  |   |                    |
|                                    | OD  | 0.88  | 0.84  |   |                    |
| <b>Max. Hot Water Capacity</b>     | 35°F Rise: 9.8 gpm  |   | 35°F Rise: 8.3 gpm  | 35°F Rise: 6.6 gpm  | 35°F Rise: 5.0 gpm |
| <b>Water Inlet</b>                 | 3/4"  |   |   |   |                    |
| <b>Hot Water Outlet</b>            | 3/4"  |   |   |   |                    |
| <b>Gas Inlet (1/2 in. capable)</b> | 3/4" (1/2 in. up to 40 ft)  | 3/4" (1/2 in. up to 50 ft)  | 3/4" (1/2 in. up to 80ft)   | 1/2" (1/2 in. up to 100 ft)   |                    |
| <b>Temp. Settings</b>              | 100 - 140°F<br>(in 5°F intervals)   | 100 - 140°F<br>(in 5°F intervals)   | 115 - 140°F<br>(in 5°F intervals)   | 115 - 140°F<br>(in 5°F intervals)   |                    |
| <b>Default Temp. Option</b>        | 120, 130, 140°F   | 120, 135, 140°F   | 120, 130, 135, 140°F  | 120, 130, 135, 140°F  |                    |
| <b>Warranty</b>                    | 12-year warranty on heat exchanger, 5-year warranty on parts & 1-year reasonable labor*   |   |   |   |                    |
| <b>Low NOx</b>                     | yes   |   |   |   |                    |
| <b>Quick Connect</b>               | yes   | yes   | no  | no  |                    |
| <b>Remote Included</b>             | yes   | yes   | digital display   | digital display   |                    |
| <b>Min/Max Flowrate</b>            | 0.5 GPM/9.8 GPM   | 0.5 GPM/8.3 GPM   | 0.5 GPM/6.6 GPM   | 0.5 GPM/5.0 GPM   |                    |

\*Refer to our warranty terms & conditions for more details.

**APPROVALS**

Residential



SUPPORT.NORITZ.COM • 866.766.7489 (press 1)

Add "-NG" or "-LP" to the end of the model number to specify gas type.

| Temp Rise (°F) | (NC380) Series | NRC1111 (NCC1991) NRCP1112 Series | NRC98 NR981 (NC1991) NRCP982 | NR83 Series | NRC711 Series | NRC661 NRC662 EZTR40 Series | NR501 Series |
|----------------|----------------|-----------------------------------|------------------------------|-------------|---------------|-----------------------------|--------------|
| 30             | 13.2           | 11.1                              | 9.8                          | 8.3         | 7.1           | 6.6                         | 5.0          |
| 35             | 13.2           | 10.6                              | 9.2                          | 8.1         | 7.1           | 6.6                         | 5.0          |
| 40             | 13.2           | 9.3                               | 8.4                          | 7.6         | 7.1           | 5.7                         | 5.0          |
| 45             | 13.2           | 8.4                               | 7.5                          | 6.7         | 6.3           | 5.3                         | 4.2          |
| 50             | 12.5           | 7.4                               | 6.7                          | 6.1         | 5.8           | 4.6                         | 3.9          |
| 55             | 11.3           | 6.8                               | 6.1                          | 5.4         | 5.2           | 4.2                         | 3.5          |
| 60             | 10.4           | 6.2                               | 5.6                          | 5.0         | 4.8           | 3.8                         | 3.3          |
| 65             | 9.6            | 5.8                               | 5.2                          | 4.7         | 4.4           | 3.5                         | 3.0          |
| 70             | 8.9            | 5.3                               | 4.8                          | 4.3         | 4.1           | 3.3                         | 2.8          |
| 75             | 8.3            | 5.0                               | 4.5                          | 4.1         | 3.8           | 3.1                         | 2.6          |
| 80             | 7.8            | 4.6                               | 4.2                          | 3.8         | 3.6           | 2.9                         | 2.5          |
| 85             | 7.3            | 4.4                               | 4.0                          | 3.6         | 3.4           | 2.7                         | 2.3          |
| 90             | 6.9            | 4.1                               | 3.7                          | 3.4         | 3.2           | 2.6                         | 2.2          |
| 95             | 6.6            | 3.9                               | 3.5                          | 3.2         | 3.0           | 2.4                         | 2.1          |
| 100            | 6.2            | 3.7                               | 3.4                          | 3.0         | 2.9           | 2.3                         | 2.0          |

For peak flow rates in shaded areas, contact Noritz for proper setting.

| MODEL                         | SUMMER WATER SUPPLY (70°F) |  | WINTER WATER SUPPLY (45°F) |  |
|-------------------------------|----------------------------|--|----------------------------|--|
|                               | [Sun Icon]                 |  | [Snowflake Icon]           |  |
| NC380                         | 5.3 SHOWERS AT 13.2 GPM    |  | 4.2 SHOWERS AT 10.4 GPM    |  |
| NRC1111, NCC1991 NRCP1112     | 4.1 SHOWERS AT 10.6 GPM    |  | 2.5 SHOWERS AT 6.2 GPM     |  |
| NRC98, NR981, NC1991, NRCP982 | 3.7 SHOWERS AT 9.2 GPM     |  | 2.2 SHOWERS AT 5.6 GPM     |  |
| NR83                          | 3.3 SHOWERS AT 8.1 GPM     |  | 2.0 SHOWERS AT 5.0 GPM     |  |
| NRC711                        | 3.1 SHOWERS AT 7.8 GPM     |  | 2.0 SHOWERS AT 4.8 GPM     |  |
| NR662                         | 2.6 SHOWERS AT 6.6 GPM     |  | 1.5 SHOWERS AT 3.8 GPM     |  |
| NRC661, EZTR40                | 2.6 SHOWERS AT 6.6 GPM     |  | 1.5 SHOWERS AT 3.8 GPM     |  |
| NR501                         | 2.0 SHOWERS AT 5.0 GPM     |  | 1 SHOWER AT 3.3 GPM        |  |

Assuming a standard 2.5 GPM shower head and 105°F output water temperature. NC380, NC1991 & NCC1991 are commercial models.

| VENT TYPE          | RESIDENTIAL MODELS |       |    |        |        |       |         |        | COMMERCIAL MODELS |         |        |       |
|--------------------|--------------------|-------|----|--------|--------|-------|---------|--------|-------------------|---------|--------|-------|
|                    | NR83               | NR981 |    | NRC661 | NRC711 | NRC98 | NRC1111 | EZTR40 | NRCP              | NCC1991 | NC1991 | NC380 |
|                    | DVC                | DVC   | SV | DV     | DV     | DV    | DV      |        |                   | DV      | DVC    | SV    |
| 4" CAT III VENT    |                    |       | ✓  |        |        |       |         |        |                   |         |        |       |
| 5" CAT III VENT    |                    |       |    |        |        |       |         |        |                   |         |        | ✓     |
| CONCENTRIC SS VENT | ✓                  | ✓     |    |        |        |       |         |        |                   |         | ✓      |       |
| 2" Flex Pipe       |                    |       |    |        |        |       |         | ✓      |                   |         |        |       |
| 2" PVC VENT        |                    |       |    |        |        |       |         |        | ✓                 |         |        |       |
| 3" PVC VENT        |                    |       |    | ✓      | ✓      | ✓     | ✓       |        | ✓                 | ✓       |        |       |
| 4" PVC VENT        |                    |       |    |        |        | ✓     | ✓       |        |                   | ✓       |        |       |

OD models do not require venting.



SUPPORT.NORITZ.COM • 866.766.7489 (press 1)

Add "-NG" or "-LP" to the end of the model number to specify gas type.

| Accessories                   | Part #            | Residential Models |       |      |       |    |    |        |    |        |    |       |    |         |    | Commercial Models |      |         |    |        |    |       |
|-------------------------------|-------------------|--------------------|-------|------|-------|----|----|--------|----|--------|----|-------|----|---------|----|-------------------|------|---------|----|--------|----|-------|
|                               |                   | NR501              | NR662 | NR83 | NR981 |    |    | NRC661 |    | NRC711 |    | NRC98 |    | NRC1111 |    | NRCP              | EZTR | NCC1991 |    | NC1991 |    | NC380 |
|                               |                   | OD                 | OD    | DVC  | DVC   | SV | OD | DV     | OD | DV     | OD | DV    | OD | DV      | OD | DV                |      | DV      | OD | DVC    | OD | SV    |
| RC Outdoor Junction Box       | 0700757           | ✓                  | ✓     |      |       |    | ✓  |        | ✓  |        | ✓  |       | ✓  |         | ✓  |                   |      |         | ✓  |        | ✓  | ✓     |
| H2Flow Water Treatment        | CH2F_***          |                    |       |      |       |    |    |        |    |        |    |       |    |         |    | ✓                 |      | ✓       | ✓  | ✓      | ✓  | ✓     |
|                               | H2F               | ✓                  | ✓     | ✓    | ✓     | ✓  | ✓  | ✓      | ✓  | ✓      | ✓  | ✓     | ✓  | ✓       | ✓  | ✓                 |      | ✓       | ✓  | ✓      | ✓  | ✓     |
|                               | H2F-C             | ✓                  | ✓     | ✓    | ✓     | ✓  | ✓  | ✓      | ✓  | ✓      | ✓  | ✓     | ✓  | ✓       | ✓  | ✓                 |      | ✓       | ✓  | ✓      | ✓  | ✓     |
| Scale Shield Water Treatment  | SS-HB-1           | ✓                  | ✓     | ✓    | ✓     | ✓  | ✓  | ✓      | ✓  | ✓      | ✓  | ✓     | ✓  | ✓       | ✓  | ✓                 | ✓    | ✓       | ✓  | ✓      |    |       |
|                               | SS-HB-2           |                    |       |      |       |    |    |        |    |        |    |       |    |         |    | ✓                 |      |         |    |        |    | ✓     |
| Scale Shield Refill Cartridge | HBC-1             | ✓                  | ✓     | ✓    | ✓     | ✓  | ✓  | ✓      | ✓  | ✓      | ✓  | ✓     | ✓  | ✓       | ✓  |                   | ✓    | ✓       | ✓  | ✓      | ✓  |       |
|                               | HBC-2             |                    |       |      |       |    |    |        |    |        |    |       |    |         |    |                   |      |         |    | ✓      | ✓  | ✓     |
| Lead-Free Isolation Valve Kit | IK-WV-200-1-SW-LF | ✓                  | ✓     | ✓    | ✓     | ✓  | ✓  | ✓      | ✓  | ✓      | ✓  | ✓     | ✓  | ✓       | ✓  | ✓                 |      | ✓       | ✓  | ✓      | ✓  |       |
|                               | IK-WV-200-1-TH-LF | ✓                  | ✓     | ✓    | ✓     | ✓  | ✓  | ✓      | ✓  | ✓      | ✓  | ✓     | ✓  | ✓       | ✓  | ✓                 |      | ✓       | ✓  | ✓      | ✓  |       |
|                               | IK-WV-300-1-SW-LF |                    |       |      |       |    |    |        |    |        |    |       |    |         |    |                   |      |         |    |        |    | ✓     |
|                               | IK-WV-300-1-TH-LF |                    |       |      |       |    |    |        |    |        |    |       |    |         |    |                   |      |         |    |        |    | ✓     |
| Multi-Rack System             | MR-2              |                    |       |      | ✓     | ✓  | ✓  |        |    |        |    | ✓     | ✓  | ✓       | ✓  |                   |      | ✓       | ✓  | ✓      | ✓  | ✓     |
| Condensate Neutralizer Kit    | NC-1              |                    |       |      |       |    |    |        | ✓  | ✓      | ✓  | ✓     | ✓  | ✓       | ✓  | ✓                 | ✓    | ✓       | ✓  | ✓      | ✓  | ✓     |
|                               | NT20A             |                    |       |      |       |    |    |        |    |        |    |       |    |         |    |                   |      | ✓       | ✓  |        |    |       |
| Pipe Cover                    | PC-1S             | ✓                  | ✓     |      |       |    |    |        | ✓  | ✓      | ✓  | ✓     |    |         |    |                   |      |         |    |        |    |       |
|                               | PC-2S             |                    |       |      |       | ✓  | ✓  |        |    |        |    |       |    |         |    |                   |      |         |    |        |    |       |
|                               | PC-2S-GRY         |                    |       |      |       |    |    |        |    |        |    |       |    |         |    |                   |      |         |    |        |    | ✓     |
|                               | PC-3S             |                    |       |      |       |    |    |        |    |        |    |       | ✓  | ✓       | ✓  | ✓                 |      |         |    |        |    |       |
|                               | PC-3S-SUS         |                    |       |      |       |    |    |        |    |        |    |       |    |         |    |                   |      | ✓       | ✓  |        |    |       |
|                               | PC-4S-SUS         |                    |       |      |       |    |    |        |    |        |    |       |    |         |    |                   |      |         |    |        |    | ✓     |
|                               | PC-5S             |                    |       | ✓    | ✓     |    |    |        |    |        |    |       |    |         |    |                   |      |         |    |        |    |       |
|                               | PC-5S-GRY         |                    |       |      |       |    |    |        |    |        |    |       |    |         |    |                   |      |         |    |        |    | ✓     |
| Quick Connect Cable           | QC-1              |                    |       |      |       |    |    |        |    |        |    |       |    |         |    |                   |      |         |    |        |    | ✓     |
|                               | QC-2              |                    |       | ✓    | ✓     | ✓  | ✓  |        |    |        |    |       | ✓  | ✓       | ✓  | ✓                 |      | ✓       | ✓  | ✓      | ✓  |       |
| Recess Box                    | RB-510            | ✓                  | ✓     |      |       |    |    |        | ✓  | ✓      |    |       |    |         |    |                   |      |         |    |        |    |       |
|                               | RB-700-1          |                    |       |      |       |    | ✓  |        |    |        |    |       |    |         |    |                   |      |         |    |        |    |       |
|                               | RB-900-1          |                    |       |      |       |    |    |        |    |        |    |       | ✓  |         | ✓  |                   |      |         |    |        |    |       |
| Remote Controller             | RC-7650M (CANADA) |                    |       |      |       |    |    |        |    |        |    |       |    |         |    |                   | ✓    |         |    |        |    | ✓     |
|                               | RC-7651M          | ✓                  | ✓     | ✓    | ✓     | ✓  | ✓  | ✓      | ✓  | ✓      | ✓  | ✓     | ✓  | ✓       | ✓  | ✓                 | ✓    |         |    |        |    |       |
|                               | RC-9018M          |                    |       |      |       |    |    |        |    |        |    |       |    |         |    |                   |      | ✓       | ✓  | ✓      | ✓  | ✓     |
| Remote Controller Cord        | RC-CORD10         | ✓                  | ✓     |      |       | ✓  | ✓  | ✓      | ✓  | ✓      | ✓  | ✓     | ✓  | ✓       | ✓  | ✓                 | ✓    | ✓       | ✓  | ✓      | ✓  | ✓     |
|                               | RC-CORD26         | ✓                  | ✓     |      |       | ✓  | ✓  | ✓      | ✓  | ✓      | ✓  | ✓     | ✓  | ✓       | ✓  | ✓                 | ✓    | ✓       | ✓  | ✓      | ✓  | ✓     |
| System Controller             | SC-201-24M        |                    |       |      |       |    |    |        |    |        |    |       |    |         |    |                   |      |         |    |        |    | ✓     |
|                               | SC-201-12M        |                    |       |      |       |    |    |        |    |        |    |       |    |         |    |                   |      |         |    |        |    | ✓     |
|                               | SC-201-6M         |                    |       |      |       |    |    |        |    |        |    |       |    |         |    |                   |      |         |    |        |    | ✓     |
|                               | SCU-301-24M       |                    |       |      |       |    |    |        |    |        |    |       |    |         |    |                   |      | ✓       | ✓  | ✓      | ✓  |       |
|                               | SCU-301-12M       |                    |       |      |       |    |    |        |    |        |    |       |    |         |    |                   |      | ✓       | ✓  | ✓      | ✓  |       |
|                               | SC-301-6M         |                    |       |      |       |    |    |        |    |        |    |       |    |         |    |                   |      | ✓       | ✓  |        |    |       |
|                               | SC-301-6M-EXT     |                    |       |      |       |    |    |        |    |        |    |       |    |         |    |                   |      |         |    | ✓      | ✓  |       |
| Building Management System    | BMS1-SC-201-6M    |                    |       |      |       |    |    |        |    |        |    |       |    |         |    |                   |      | ✓       | ✓  | ✓      | ✓  | ✓     |
|                               | BMS1-SC-301-6M    |                    |       |      |       |    |    |        |    |        |    |       |    |         |    |                   |      | ✓       | ✓  | ✓      | ✓  | ✓     |

\*Included with heater purchase. \*\*Two units required. \*\*\*Contact Noritz for commercial sizing.