

## Assembly Numbers

### Series NP/RG AIRFLO® Burners - cast iron bodies

| Burner Type   | NP-I<br>#430SS mixing plates |                 | NP-II<br>#430SS mixing plates |                 | NP-III<br>#430SS mixing plates |                 | RG-IV<br>#321SS mixing plates |                 | NP-V<br>#430SS mixing plates |                 |
|---|------------------------------|-----------------|-------------------------------|-----------------|--------------------------------|-----------------|-------------------------------|-----------------|------------------------------|-----------------|
|   | NP1                          |                 | NP2                           |                 | NP3                            |                 | RG4                           |                 | NP5                          |                 |
| Configured Item Number  | NP1                          |                 | NP2                           |                 | NP3                            |                 | RG4                           |                 | NP5                          |                 |
| Description   | Designation                  | Assembly Number | Designation                   | Assembly Number | Designation                    | Assembly Number | Designation                   | Assembly Number | Designation                  | Assembly Number |
| 12" straight section  | NP-I-12                      | 20865 (13)      | NP-II-12                      | 20871 (13)      | NP-III-12                      | 1115377 (13)    | RG-IV-12                      | 23677 (14)      | NP-V-12                      | 34251           |
| 6" straight section   | NP-I-6                       | 1115352 (8)     | NP-II-6                       | 20872 (8)       | NP-III-6                       | 20903 (8)       | RG-IV-6                       | 23678 (8)       | NP-V-6                       | 34250           |
| 18" straight section  | NP-I-18                      | 21870 (20)      | NP-II-18                      | 21874 (20)      | NP-III-18                      | 21878 (20)      | RG-IV-18                      | 23686 (21)      | NP-V-18                      | 34255           |
| 24" straight section  | NP-I-24                      | 21871 (25)      | NP-II-24                      | 21875 (25)      | NP-III-24                      | 21879 (25)      | RG-IV-24                      | 23687 (27)      | NP-V-24                      | 34256           |
| 6" x 6" elbow section   | NP-I-L                       | 20869 (12)      | NP-II-L                       | 20875 (12)      | NP-III-L                       | 21352 (12)      | RG-IV-L                       | 23683 (13)      | NP-V-L                       | 34253           |
| 12" x 6" tee section  | NP-I-T                       | 20868 (19)      | NP-II-T                       | 20874 (19)      | NP-III-T                       | 21351 (19)      | RG-IV-T                       | 23682 (20)      | NP-V-T                       | 34254           |
| 12" back inlet section  | NP-I-12B                     | 20867 (16)      | NP-II-12B                     | 20873 (16)      | NP-III-12B                     | 20905 (16)      | RG-IV-12B                     | 23679 (17)      | NP-V-12B                     | 34252           |
| 36" back inlet section  | NP-I-36B                     | 22012 (41)      | NP-II-36B                     | 1115379 (41)    | NP-III-36B                     | 22014 (41)      | RG-IV-36B                     | 24096 (45)      | NP-V-36B                     | 34257           |
| 6" pilot assembly section includes built-in pilot & spark ignitor | NP-I-6P                      | 24874 (9)       | NP-II-6P                      | 26670 (9)       | NP-III-6P                      | 26671 (9)       | RG-IV-6P                      | 24875 (10)      | NP-V-6P                      | ---             |
| 6" pilot assembly section with built-in pilot only                | NP-I-6P                      | 1020084         | ---                           | ---             | ---                            | ---             | RG-IV-6P                      | 1020085         | ---                          | ---             |

**Approximate net ship weight (in pounds) shown in parentheses**

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## Assembly Numbers

| Burner Type                                     |  | NP-I, NP-II, NP-III & NP-V           |                       | RG-IV              |                 |
|---|--|--------------------------------------|-----------------------|--------------------|-----------------|
| Description                                     |  | Designation                          | Assembly Number       | Designation        | Assembly Number |
| Plain End Closure Sets                          | 1 piece end closure set  | NP-EC                                | 36710 (4)             | ---                | ---             |
|   | 2 piece end plate set  | NP-EP                                | 20881 (3)             | RG-EP              | 21651 (4)       |
| End Inlet & Pilot Flange Sets                   | 1 piece pilot set includes spark ignitor   | NPF- 1-1/4 -FR-SI                    | 36712 (4)             | ---                | ---             |
|   | 1 piece pilot set without spark ignitor  | NPF- 1-1/4 -FR                       | 1063669               | ---                | ---             |
|   | 2 piece pilot set includes spark ignitor   | NPF- 1-1/4 -FR-SI                    | 20883 (3)             | RGF- 1-1/4 - FR-SI | 21654 (4)       |
|   | 2 piece end inlet flange set   | NPF- 1-1/4 -EP                       | 20882 (4)             | RGF- 1-1/4 - EP    | 21652 (5)       |
| Pilot End Plate Sets                            | 1 piece end closure set includes spark ignitor   | NP-ED-FR-SI                          | 36711 (4)             | ---                | ---             |
|   | 1 piece end closure set w/ext gap SI for direct spark                                      | NP-ED-FR-DS                          | 1103735               | ---                | ---             |
|   | 1 piece end closure set w/out spark ignitor  | NP-ED-FR                             | 1063668               | ---                | ---             |
|   | 1 piece pilot set includes spark ignitor   | NP-ED-SI-3/4-UV                      | 37004 (4)             | ---                | ---             |
|   | 1 piece pilot set without spark ignitor  | NP-ED-3/4-UV                         | 1063670               | ---                | ---             |
|   | 1 piece pilot set w/ext gap SI for direct spark  | NP-ED-DS-3/4-UV                      | 1108545               | ---                | ---             |
|   | 2 piece pak-pilot set includes spark ignitor   | NP-PAK                               | 23184 (3)             | RG-PAK             | 23183 (3)       |
|   | 2 piece pak-pilot set includes adjustable orifice & spark ignitor                          | NP-PAK                               | 23185 (3)             | RG-PAK             | 23187 (3)       |
|   | 2 piece pak-pilot set includes adjustable orifice, shut-off cock, tubing and spark ignitor | NP-PAK                               | 23186 (4)             | RG-PAK             | 23188 (4)       |
|   | Pilot kit w/SI, .75" NPT scanner hole  | 1052954 (3)                          | 1052957 (3)           |                    |                 |
|   | Pilot assembly w/.75" NPT scanner hole, adj. orifice and SI                                | 1052955 (4)                          | 1052958 (3)           |                    |                 |
|   | Pilot assembly w/tubing, .75" NPT scanner hole, SI and adj. orifice                        | 1052956 (5)                          | 1052959 (4)           |                    |                 |
| 2 pc end inlet flange set w/alternate UV and SI | 39723 (2)  | 35560 (3)                            |                       |                    |                 |
| Fastener Kits                                   | Flange to flange fastener kit  | 1053850                              | 1053917               |                    |                 |
|   | 1 piece end plate fastener kit   | 1053919                              | 1053924               |                    |                 |
|   | 2 piece plain end plate fastener kit   | 1053920                              | 1053925               |                    |                 |
|   | 2 piece pilot end plate fastener kit   | 1053921                              | 1053926               |                    |                 |
| Replacement Items                               | Universal support bracket (order in pairs)   | USB                                  | 23577(CS) / 39940(SS) |                    |                 |
|   | Rubber cover for flame rod or spark ignitor  | 18722                                |                       |                    |                 |
|   | Flame rod (L = 7-1/8)  | 18117 (unsealed) or 1104615 (sealed) |                       |                    |                 |
|   | Flame rod with rubber cover  | 1037594                              |                       |                    |                 |
|   | Division plate   | 18133                                |                       |                    |                 |
|   | Profile plate bracket (NP)   | 20967                                |                       |                    |                 |
|   | Adjustable pilot gas orifice (3/8" NPT)  | 38009                                |                       |                    |                 |
|   | External mounting plate (feed through)   | 40908                                |                       |                    |                 |
|   | 14mm spark ignitor   | 23739                                |                       |                    |                 |
|   | Pilot gas adjustable orifice (for pak-pilots only)   | 38577                                |                       |                    |                 |
|   | Gasket   | 1053686                              |                       |                    |                 |

**Approximate net ship weight (in pounds) shown in parentheses**

## Assembly Numbers

### Series NP/RG AIRFLO® Burners - aluminum bodies

| Burner Type   |  | NP-I-(AL)<br>#430 SS mixing plates |                 | RG-IV-(AL)<br>#321 SS mixing plates |                 |
|---|--|------------------------------------|-----------------|-------------------------------------|-----------------|
|   |  | NP1AL                              |                 | RG4AL                               |                 |
| Configured Item Number  |  | NP1AL                              |                 | RG4AL                               |                 |
| Description   |  | Designation                        | Assembly Number | Designation                         | Assembly Number |
| 12" straight section  |  | NP-I-12 (AL)                       | 45606 (9)       | RG-IV-12 (AL)                       | 39800 (10)      |
| 6" straight section   |  | NP-I-6 (AL)                        | 45605 (5)       | RG-IV-6 (AL)                        | 39799 (5)       |
| 12" x 6" tee section  |  | NP-I-T (AL)                        | 45608 (12)      | RG-IV-T (AL)                        | 1034084 (13)    |
| 12" back inlet section  |  | NP-I-12B (AL)                      | 45607 (13)      | RG-IV-12B (AL)                      | 39801 (14)      |
| 36" back inlet section  |  | NP-I-36B (AL)                      | 45609 (28)      | RG-IV-36B (AL)                      | 1041513 (32)    |
| Plain End Closure Sets  | 1 piece end closure set  | NP-EC                              | 36710 (4)       | ---                                 | ---             |
|   | 2 piece end plate set  | NP-EP                              | 20881 (3)       | RG-EP                               | 21651 (4)       |
| End Inlet and Pilot Flange Sets                                     | 1 piece pilot set includes spark ignitor   | NPF-1-1/4-FR-SI                    | 36712 (4)       | ---                                 | ---             |
|   | 1 piece pilot set without spark ignitor  | NPF-1-1/4-FR                       | 1063669         | ---                                 | ---             |
|   | 2 piece pilot set includes spark ignitor   | NPF-1-1/4-FR-SI                    | 20883 (3)       | RGF-1-1/4-FR-SI                     | 21654 (4)       |
|   | 2 piece end inlet flange set   | NPF-1-1/4-EP                       | 20882 (4)       | RGF-1-1/4-EP                        | 21652 (5)       |
| Pilot End Plate Sets  | 1 piece end closure set includes spark ignitor   | NP-ED-FR-SI                        | 36711 (4)       | ---                                 | ---             |
|   | 1 piece end closure set w/ext gap SI for DS  | NP-ED-FR-DS                        | 1103735         | ---                                 | ---             |
|   | 1 piece end closure set w/o spark ignitor  | NP-ED-FR                           | 1063668         | ---                                 | ---             |
|   | 1 piece pilot set includes spark ignitor   | NP-ED-SI-3/4-UV                    | 37004 (4)       | ---                                 | ---             |
|   | 1 piece pilot set without spark ignitor  | NP-ED-3/4-UV                       | 1063670         | ---                                 | ---             |
|   | 1 piece pilot set w/ext gap SI for direct spark  | NP-ED-DS-3/4-UV                    | 1108545         | ---                                 | ---             |
|   | 2 piece pak-pilot set includes spark ignitor   | NP-PAK                             | 23184 (3)       | RG-PAK                              | 23183 (3)       |
|   | 2 piece pak-pilot set includes adjustable orifice & spark ignitor                          | NP-PAK                             | 23185 (3)       | RG-PAK                              | 23187 (3)       |
|   | 2 piece pak-pilot set includes adjustable orifice, shut-off cock, tubing and spark ignitor | NP-PAK                             | 23186 (4)       | RG-PAK                              | 23188 (4)       |
|   | Pilot kit w/SI, .75" NPT scanner hole  | 1052954 (3)                        |                 | 1052957 (3)                         |                 |
|   | Pilot assembly w/.75" NPT scanner hole, adj. orifice and SI                                | 1052955 (3)                        |                 | 1052958 (5)                         |                 |
| Pilot assembly w/tubing, .75" NPT scanner hole, SI and adj. orifice | 1052956 (5)  |                                    | 1052959 (4)     |                                     |                 |
| Fastener Kits   | Flange to flange fastener kit  | 1053850                            |                 | 1053917                             |                 |
|   | 1 piece end plate fastener kit   | 1053919                            |                 | 1053924                             |                 |
|   | 2 piece plain end plate fastener kit   | 1053920                            |                 | 1053925                             |                 |
|   | 2 piece pilot end plate fastener kit   | 1053921                            |                 | 1053926                             |                 |

[1] Electroless nickel plated

Approximate net ship weight (in pounds) shown in parentheses

## Assembly Numbers

### Series NP/RG AIRFLO® Burners - aluminum bodies

| Burner Type                  |  | NP-I-(AL)<br>#430 SS mixing plates   |                         | RG-IV-(AL)<br>#321 SS mixing plates |                 |
|------------------------------|--|--------------------------------------|-------------------------|-------------------------------------|-----------------|
| Configured Item Number       |  | NP1AL                                |                         | RG4AL                               |                 |
| Description                  |  | Designation                          | Assembly Number         | Designation                         | Assembly Number |
| <b>Replacement<br/>Items</b> | Universal support bracket (order in pairs)     | USB                                  | 23577 (CS) / 39940 (SS) |                                     |                 |
|                              | Rubber cover for flame rod or spark ignitor    | 18722                                |                         |                                     |                 |
|                              | Flame rod (L= 7.125)                           | 18117 (unsealed) or 1104615 (sealed) |                         |                                     |                 |
|                              | Flame rod & rubber cover                       | 1037594                              |                         |                                     |                 |
|                              | Division plate                                 | 18133                                |                         |                                     |                 |
|                              | Profile plate bracket (NP)                     | 20967                                |                         |                                     |                 |
|                              | Adjustable pilot gas orifice (3/8" NPT)        | 38009                                |                         |                                     |                 |
|                              | External mounting plate (feed through)         | 40908                                |                         |                                     |                 |
|                              | 14mm spark ignitor                             | 23739                                |                         |                                     |                 |
|                              | Pilot gas adjustable orifice (pak-pilots only) | 38577                                |                         |                                     |                 |
|                              | Gasket   | 1053686                              |                         |                                     |                 |

[1] Electroless nickel plated

## Assembly Numbers

### Series NP/RG AIRFLO® Burners - aluminum bodies w/stainless steel fasteners and back up bars

| Burner Type                   |   | NP-I-(ALSS)<br>#430 SS mixing plates |                 | RG-IV-(ALSS)<br>#321 SS mixing plates |                 |
|-------------------------------|---|--------------------------------------|-----------------|---------------------------------------|-----------------|
| Configured Item Number        |   | NP1ALSS                              |                 | RG4ALSS                               |                 |
| Description                   |   | Designation                          | Assembly Number | Designation                           | Assembly Number |
| 12" straight section          |   | NP-I-12 (AL)                         | 1042278         | RG-IV-12 (AL)                         | 1042283         |
| 6" straight section           |   | NP-I-6 (AL)                          | 1042277         | RG-IV-6 (AL)                          | 1042282         |
| 12" x 6" tee section          |   | NP-I-T (AL)                          | 1042280         | RG-IV-T (AL)                          | 1042285         |
| 12" back inlet section        |   | NP-I-12B (AL)                        | 1042279         | RG-IV-12B (AL)                        | 1042284         |
| 36" back inlet section        |   | NP-I-36B (AL)                        | 1042281         | RG-IV-36B (AL)                        | 1042286         |
| <b>Plain End Closure Sets</b> | 2 piece end plate set   | NP-EP                                | 45612 [1] (3)   | RG-EP                                 | 51034 [1] (4)   |
| <b>Pilot End Plate Sets</b>   | 2 piece pak-pilot set includes spark ignitor                  | NP-PAK                               | 45610 [1] (3)   | RG-PAK                                | 51029 [1] (3)   |
|                               | 2 piece pak-pilot includes adjustable orifice & spark ignitor | NP-PAK                               | 45611 [1] (3)   | RG-PAK                                | 51032 [1] (3)   |
| <b>Fastener Kits</b>          | Flange to flange fastener kits                                | 1053851                              |                 | 1053918                               |                 |
|                               | 2 piece plain end plate fastener kit                          | 1053922                              |                 | 1053927                               |                 |
|                               | 2 piece pilot end plate fastener kit                          | 1053923                              |                 | 1053928                               |                 |
| <b>Replacement Items</b>      | Universal support bracket (order in pairs)                    | USB                                  | 39940           |                                       |                 |
|                               | Rubber cover for flame rod or spark ignitor                   | 18722                                |                 |                                       |                 |
|                               | Flame rod (L = 7.125)   | 18117 (unsealed) or 1104615 (sealed) |                 |                                       |                 |
|                               | Flame rod & rubber cover                                      | 1037594                              |                 |                                       |                 |
|                               | Division plate  | 18133                                |                 |                                       |                 |
|                               | Profile plate bracket (NP)                                    | 20967                                |                 |                                       |                 |
|                               | Adjustable pilot gas orifice (3/8" NPT)                       | 38009                                |                 |                                       |                 |
|                               | External mounting plate (feed through)                        | 40908                                |                 |                                       |                 |
|                               | 14mm spark ignitor  | 23739                                |                 |                                       |                 |
|                               | Pilot gas adjustable orifice (pak-pilots only)                | 38577                                |                 |                                       |                 |
| Gasket                        | 1053686   |                                      |                 |                                       |                 |

[1] Electroless nickel plated