

# NEO SPA CONTROL SYSTEM CONFIGURATIONS GUIDE

NEO 2100



NEO 1500



NEO 1200



## NEO SPA CONTROL SYSTEM CONFIGURATIONS GUIDE



NEO 2100



NEO 1100



NEO 1000



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# NEO 2100

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### NEO 2100 Controller with NEO 2100 TopSide Panel

#### PAGE 1 - CIRC/NON-CIRC

| Features         | Configuration #1   | Configuration #2   | Configuration #3   | Configuration #4   | Configuration #5   | Configuration #6   | Configuration #7   | Configuration #8   |  | Configuration #9   | Configuration #10 | Configuration #11 | Configuration #12 | Configuration #13 | Configuration #14 | Configuration #15 | Configuration #16        |
|------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------------|
| Circulation Pump | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 |  | Y (Ozone relay) J9 | N                 | N                 | N                 | N                 | N                 | N                 | N                        |
| Pump 1           | 2-Speed J8         | 2-Speed J8         | 2-Speed J8         | 2-Speed J8         | 1-Speed J8         | 2-Speed J8         | 2-Speed J8         | 2-Speed J8         |  | 2-Speed J8         | 2-Speed J8        | 2-Speed J8        | 2-Speed J8        | 2-Speed J8        | 2-Speed J8        | 2-Speed J8        | 2-Speed J8               |
| Pump 2           | N                  | 1-Speed J10        | 2-Speed J10        | 2-Speed J10        | 1-Speed (J8)       | N                  | 1-Speed J10        | 2-Speed J1         |  | 2-Speed J10        | N                 | 1-Speed J10       | 2-Speed J10       | 2-Speed J10       | 2-Speed J10       | 1-Speed J10       | 1-Speed J10              |
| Pump 3           | N                  | N                  | N                  | 2-Speed J1         | N                  | N                  | N                  | N                  |  | 2-Speed J1         | N                 | N                 | N                 | N                 | 2-Speed J1        | 1-Speed J1        | 1-Speed J1               |
| Pump 4           | N                  | N                  | N                  | N                  | N                  | N                  | N                  | N                  |  | N                  | N                 | N                 | N                 | N                 | N                 | N                 | 1-Speed (J1)             |
| Pump 5           | N                  | N                  | N                  | N                  | N                  | N                  | N                  | N                  |  | N                  | N                 | N                 | N                 | N                 | N                 | N                 | 1-Speed J2               |
| Pump 6           | N                  | N                  | N                  | N                  | N                  | N                  | N                  | N                  |  | N                  | N                 | N                 | N                 | N                 | N                 | N                 | 1-Speed (J2)             |
| Blower           | Y J10              | N                  | N                  | N                  | Y J10              | Y J10              | N                  | Y J10              |  | Y Aux              | Y J10             | N                 | N                 | Y Aux             | Y Aux             | N                 | N                        |
| Ozone            | N                  | N                  | N                  | N                  | Y Aux              | Y Aux              | Y Aux              | Y Aux              |  | N                  | Y J9              | Y J9              | Y J9              | Y J9              | Y J9              | Y J9              | Y J9                     |
| Option 1         | Y Aux              | Y Aux              | Y Aux              | Y Aux              | N                  | N                  | N                  | N                  |  | N                  | Y Aux             | Y Aux             | Y Aux             | N                 | N                 | Y Aux             | Y Aux                    |
| Notes            |                    |                    |                    | DB1                | Y Cable            |                    |                    | DB1                |  | DB1                |                   |                   |                   |                   | DB1               | DB1               | DB2 and Y Cable required |

### NEO 2100 Controller with NEO 2100 TopSide Panel

#### PAGE 2 - CIRC/NON-CIRC

| Features         | Configuration #1   | Configuration #2   | Configuration #3   | Configuration #4   | Configuration #5   | Configuration #6   | Configuration #7   | Configuration #8   |  | Configuration #9   | Configuration #10 | Configuration #11 | Configuration #12 | Configuration #13 | Configuration #14        | Configuration #15 | Configuration #16 |
|------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--|--------------------|-------------------|-------------------|-------------------|-------------------|--------------------------|-------------------|-------------------|
| Circulation Pump | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 |  | Y (Ozone relay) J9 | N                 | N                 | N                 | N                 | Y (Ozone relay) J9       | N                 | N                 |
| Pump 1           | 2-Speed J8         | 2-Speed J8         | 2-Speed J8         | 2-Speed J8         | 2-Speed J8         | 2-Speed J8         | 1-Speed J8         | 1-Speed J8         |  | 1-Speed J8         | 2-Speed J8        | 2-Speed J8        | 2-Speed J8        | 2-Speed J8        | 2-Speed J8               | 2-Speed J8        | 2-Speed J8        |
| Pump 2           | N                  | N                  | 2-Speed J10        | 2-Speed J10        | 1-Speed J10        | 1-Speed J10        | 1-Speed (J8)       | 1-Speed (J8)       |  | 1-Speed (J8)       | N                 | 1-Speed J10       | 2-Speed J10       | 2-Speed J10       | 2-Speed J10              | 2-Speed J10       | 1-Speed J10       |
| Pump 3           | N                  | N                  | N                  | N                  | N                  | N                  | 1-Speed J10        | 1-Speed J10        |  | 1-Speed J10        | N                 | N                 | N                 | N                 | 2-Speed J1               | N                 | N                 |
| Pump 4           | N                  | N                  | N                  | N                  | N                  | N                  | N                  | N                  |  | N                  | N                 | N                 | N                 | N                 | 1-Speed J2               | N                 | N                 |
| Blower           | N                  | N                  | N                  | Y Aux              | Y Aux              | Y Aux              | N                  | N                  |  | Y Aux              | Y J10             | N                 | N                 | Y Aux             | Y (J2)                   | N                 | Y Aux             |
| Ozone            | N                  | Y Aux              | Y Aux              | N                  | N                  | Y (J10)            | N                  | Y Aux              |  | Y (J10)            | N                 | N                 | N                 | N                 | Y Aux                    | Y J9              | Y J9              |
| Option 1         | Y Aux              | Y J10              | N                  | N                  | N                  | N                  | Y Aux              | N                  |  | N                  | Y Aux             | Y Aux             | Y Aux             | Y J9              | N                        | Y Aux             | N                 |
| Notes            |                    |                    |                    |                    |                    | Y Cable required   | Y Cable required   | Y Cable required   |  | Y Cable required   |                   |                   |                   |                   | DB2 and Y Cable required |                   |                   |

# NEO 2100

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### NEO 2100 Controller with NEO 2100 TopSide Panel

#### PAGE 3 - CIRC

| Features         | Configuration #1   | Configuration #2   | Configuration #3   | Configuration #4         | Configuration #5   | Configuration #6         | Configuration #7         | Configuration #8         |  | Configuration #9         | Configuration #10        | Configuration #11        | Configuration #12        | Configuration #13        | Configuration #14  | Configuration #15  | Configuration #16        |
|------------------|--------------------|--------------------|--------------------|--------------------------|--------------------|--------------------------|--------------------------|--------------------------|--|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------|--------------------|--------------------------|
| Circulation Pump | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9       | Y (Ozone relay) J9 | Y (Ozone relay) J9       | Y (Ozone relay) J9       | Y (Ozone relay) J9       |  | Y (Ozone relay) J9       | Y (Ozone relay) J9       | Y (Ozone relay) J9       | Y (Ozone relay) J9       | Y (Ozone relay) J9       | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9       |
| Pump 1           | 2-Speed J8         | 2-Speed J8         | 2-Speed J8         | 2-Speed J8               | 2-Speed J8         | 2-Speed J8               | 1-Speed J8               | 1-Speed J8               |  | 1-Speed J8               | 1-Speed J8               | 1-Speed J8               | 1-Speed J8               | 1-Speed J8               | 2-Speed J8         | 2-Speed J8         | 1-Speed J8               |
| Pump 2           | 2-Speed J10        | 2-Speed J1         | 1-Speed J10        | 1-Speed J10              | 1-Speed J10        | 1-Speed J10              | 1-Speed J10              | 1-Speed J10              |  | 1-Speed (J8)             | 1-Speed J10              | 1-Speed (J8)             | 1-Speed (J8)             | 1-Speed (J8)             | 2-Speed J10        | 2-Speed J10        | 1-Speed (J8)             |
| Pump 3           | 2-Speed J1         | 2-Speed J2         | 1-Speed J1         | 1-Speed J1               | 1-Speed J1         | 1-Speed J1               | 1-Speed J1               | 1-Speed J1               |  | 1-Speed J1               | 1-Speed J1               | 1-Speed J10              | 1-Speed J10              | 1-Speed J10              | 2-Speed J1         | 2-Speed J1         | 1-Speed J1               |
| Pump 4           | N                  | N                  | N                  | 1-Speed (J1)             | N                  | 1-Speed (J1)             | 1-Speed (J1)             | 1-Speed (J1)             |  | 1-Speed (J1)             | 1-Speed (J1)             | 1-Speed J1               | 1-Speed J1               | 1-Speed J1               | 2-Speed J2         | 2-Speed J2         | 1-Speed (J1)             |
| Pump 5           | N                  | N                  | N                  | N                        | N                  | N                        | N                        | N                        |  | N                        | N                        | 1-Speed (J1)             | 1-Speed (J1)             | 1-Speed (J1)             | N                  | N                  | 1-Speed J2               |
| Pump 6           | N                  | N                  | N                  | N                        | N                  | N                        | N                        | N                        |  | N                        | N                        | N                        | N                        | N                        | N                  | N                  | 1-Speed (J2)             |
| Blower           | N                  | Y J10              | N                  | N                        | Y Aux              | Y Aux                    | N                        | N                        |  | Y J10                    | Y Aux                    | N                        | N                        | Y Aux                    | N                  | Y Aux              | Y J10                    |
| Ozone            | Y Aux              | Y Aux              | Y Aux              | N                        | Y (J10)            | N                        | Y Aux                    | N                        |  | Y Aux                    | N                        | Y Aux                    | N                        | Y (J10)                  | Y Aux              | N                  | Y Aux                    |
| Option 1         | N                  | N                  | N                  | Y Aux                    | N                  | N                        | N                        | Y Aux                    |  | N                        | N                        | N                        | Y Aux                    | N                        | N                  | N                  | N                        |
| Notes            | DB1                | DB2                | DB1                | DB1 and Y Cable required | DB1                | DB1 and Y Cable required | DB1 and Y Cable required | DB1 and Y Cable required |  | DB1 and Y Cable required | DB1 and Y Cable required | DB1 and Y Cable required | DB1 and Y Cable required | DB1 and Y Cable required | DB2                | DB2                | DB2 and Y Cable required |

### NEO 2100 Controller with NEO 2100 TopSide Panel

#### PAGE 4 - NON-CIRC

| Features         | Configuration #1 | Configuration #2 | Configuration #3 | Configuration #4 | Configuration #5 | Configuration #6 | Configuration #7 | Configuration #8 |  | Configuration #9         | Configuration #10        | Configuration #11        | Configuration #12        | Configuration #13        | Configuration #14        | Configuration #15 | Configuration #16 |
|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------|-------------------|
| Circulation Pump | N                | N                | N                | N                | N                | N                | N                | N                |  | N                        | N                        | N                        | N                        | N                        | N                        | N                 | N                 |
| Pump 1           | 2-Speed J8       | 2-Speed J8       | 2-Speed J8       | 2-Speed J8       | 2-Speed J8       | 2-Speed J8       | 2-Speed J8       | 2-Speed J8       |  | 2-Speed J8               | 2-Speed J8               | 2-Speed J8               | 2-Speed J8               | 2-Speed J8               | 2-Speed J8               | 2-Speed J10       | 2-Speed J8        |
| Pump 2           | 2-Speed J1       | 1-Speed J10      | 1-Speed J10      | 1-Speed J10      | 2-Speed J10      | 2-Speed J10      | 2-Speed J10      | 2-Speed J10      |  | 1-Speed J10              | 1-Speed J10              | 1-Speed J10              | 1-Speed J10              | 1-Speed J10              | 1-Speed J10              | 1-Speed J10       | 2-Speed J10       |
| Pump 3           | 1-Speed J10      | 1-Speed J1       | 1-Speed J1       | 1-Speed J1       | 2-Speed J1       | 2-Speed J1       | 2-Speed J1       | 2-Speed J1       |  | 1-Speed J1               | 1-Speed J1               | 1-Speed J1               | 1-Speed J1               | 1-Speed J1               | 1-Speed J1               | 1-Speed (J8)      | 2-Speed J1        |
| Pump 4           | N                | N                | N                | N                | N                | N                | N                | N                |  | 1-Speed (J1)             | 1-Speed (J1)             | 1-Speed (J1)             | 1-Speed (J1)             | 1-Speed (J1)             | 1-Speed (J1)             | N                 | 2-Speed J2        |
| Pump 5           | N                | N                | N                | N                | N                | N                | N                | N                |  | N                        | N                        | N                        | N                        | 1-Speed J2               | 1-Speed J2               | N                 | N                 |
| Pump 6           | N                | N                | N                | N                | N                | N                | N                | N                |  | N                        | N                        | N                        | N                        | N                        | N                        | N                 | N                 |
| Blower           | Y Aux            | N                | Y Aux            | Y Aux            | Y Aux            | Y Aux            | N                | N                |  | N                        | N                        | Y Aux                    | Y Aux                    | N                        | N                        | N                 | N                 |
| Ozone            | Y J9             | N                | Y J9             | N                | Y J9             | N                | Y J9             | N                |  | N                        | Y J9                     | N                        | Y J9                     | N                        | Y J9                     | Y J9              | Y J9              |
| Option 1         | N                | Y Aux            | N                | Y J9             | N                | Y J9             | Y Aux            | Y Aux            |  | Y Aux                    | Y Aux                    | Y J9                     | N                        | Y Aux                    | Y Aux                    | Y Aux             | Y Aux             |
| Notes            | DB1              | DB1              | DB1              | DB1              | DB1              | DB1              | DB1              | DB1              |  | DB1 and Y Cable required | DB1 and Y Cable required | DB1 and Y Cable required | DB1 and Y Cable required | DB2 and Y Cable required | DB2 and Y Cable required | Y Cable           | DB2               |

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### NEO 2100 Controller with NEO 2100 TopSide Panel

#### PAGE 5 - SPECIAL - CIRC / ACTS LIKE Pump 1

| Features         | Configuration #1 | Configuration #2 | Configuration #3 | Configuration #4 | Configuration #5 | Configuration #6 | Configuration #7 | Configuration #8 |  | Configuration #9 | Configuration #10 | Configuration #11 | Configuration #12 | Configuration #13 | Configuration #14 | Configuration #15 | Configuration #16 |
|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Circulation Pump | N                | N                | N                | N                | N                | N                | N                | N                |  | N                | N                 | N                 | N                 | N                 | N                 | N                 | N                 |
| Pump 1           | 1-Speed J9       | 1-Speed J9       | 1-Speed J9       | 1-Speed J9       | 1-Speed J9       | 1-Speed J9       | 1-Speed J9       | 1-Speed J9       |  | 1-Speed J9       | 1-Speed J9        | 1-Speed J9        | 1-Speed J9        | 1-Speed J9        | 1-Speed J9        | 1-Speed J9        | 1-Speed J9        |
| Pump 2           | 2-Speed J8       | 2-Speed J8       | 1-Speed J8       | 1-Speed J8       | 2-Speed J8       | 2-Speed J8       | 1-Speed J8       | 1-Speed J8       |  | 1-Speed J8       | 2-Speed J8        | 2-Speed J8        | 2-Speed J8        | 2-Speed J8        | 2-Speed J8        | 2-Speed J8        | 2-Speed J8        |
| Pump 3           | N                | N                | 1-Speed J10      | 1-Speed J10      | 2-Speed J10      | 2-Speed J10      | 1-Speed (J8)     | 1-Speed J1       |  | 1-Speed J10      | 1-Speed J1        | 1-Speed J10       | 1-Speed J10       | 2-Speed J1        | 2-Speed J1        | 2-Speed J1        | 2-Speed J10       |
| Pump 4           | N                | N                | N                | N                | N                | N                | 1-Speed J10      | 1-Speed (J1)     |  | 1-Speed J1       | 1-Speed (J1)      | 1-Speed J1        | 1-Speed J1        | 1-Speed J2        | 1-Speed J10       | 2-Speed J2        | 2-Speed J1        |
| Pump 5           | N                | N                | N                | N                | N                | N                | N                | N                |  | 1-Speed (J1)     | N                 | N                 | 1-Speed (J1)      | N                 | N                 | N                 | N                 |
| Blower           | Y J10            | N                | Y Aux            | N                | N                | Y Aux            | N                | Y J10            |  | N                | Y J10             | N                 | N                 | Y J10             | N                 | Y J10             | N                 |
| Ozone            | Y Aux            | Y Aux            | N                | Y Aux            | Y Aux            | N                | Y Aux            | Y Aux            |  | Y Aux            | Y Aux             | Y Aux             | Y Aux             | Y Aux             | Y Aux             | Y Aux             | Y Aux             |
| Option 1         | N                | N                | N                | N                | N                | N                | N                | N                |  | N                | N                 | N                 | N                 | N                 | N                 | N                 | N                 |
| Notes            |                  |                  |                  |                  |                  |                  | Y Cable          | Y Cable & DB1    |  | Y Cable & DB1    | Y Cable & DB1     | DB1               | Y Cable & DB1     | DB2               | DB1               | DB2               | DB1               |

### NEO 2100 Controller with NEO 2100 TopSide Panel

#### PAGE 6 - TWO SPEEDS PUMP SWIM SPA

| Features         | Configuration #1 | Configuration #2 | Configuration #3   | Configuration #4   | Configuration #5   | Configuration #6   | Configuration #7 | Configuration #8 |  | Configuration #9 | Configuration #10 | Configuration #11 | Configuration #12  | Configuration #13 | Configuration #14 | Configuration #15  | Configuration #16  |
|------------------|------------------|------------------|--------------------|--------------------|--------------------|--------------------|------------------|------------------|--|------------------|-------------------|-------------------|--------------------|-------------------|-------------------|--------------------|--------------------|
| Circulation Pump | N                | N                | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | N(Saratoga)      |                  |  |                  | N-PDC             | N                 | Y (Ozone relay) J9 | N                 | N                 | Y (Ozone relay) J9 | Y (Ozone relay) J9 |
| Pump 1           | 2-Speed J8       | 2-Speed J8       | 2-Speed J8         | 2-Speed J8         | 2-Speed J8         | 1-Speed J8         | 2-Speed J8       |                  |  |                  | 2-Speed J8        | 2-Speed J8        | 2-Speed J8         | 2-Speed J8        | 2-Speed J8        | 4-Speed J8/J10     | 4-Speed J8/J10     |
| Pump 2           | 6-Speed J10/1/2  | 6-Speed J10/1/2  | 6-Speed J10/1/2    | 6-Speed J10/1/2    | 6-Speed J10/1/2    | 6-Speed J10/1/2    | 6-Speed J10/1/2  |                  |  |                  | Var J1            | 4-Speed J10/1     | 4-Speed J10/1      | 4-Speed J10/1     | 4-Speed J10/1     | N                  | N                  |
| Pump 3           | N                | N                | N                  | N                  | N                  | N                  | 1-Speed (J2)     |                  |  |                  | N                 | 2-Speed J2        | N                  | N                 | N                 | N                  | N                  |
| Pump 4           | N                | N                | N                  | N                  | N                  | N                  | N                |                  |  |                  | N                 | N                 | N                  | N                 | N                 | N                  | N                  |
| Pump 5           | N                | N                | N                  | N                  | N                  | N                  | N                |                  |  |                  | N                 | N                 | N                  | N                 | N                 | N                  | N                  |
| Blower           | Y Aux            | N                | N                  | N                  | Y Aux              | N                  | N                |                  |  |                  | N                 | Y Aux             | N                  | Y Aux             | N                 | Y Aux              | N                  |
| Ozone            | Y J9             | Y J9             | N                  | Y Aux              | N                  | Y Aux              | Y J9             |                  |  |                  | Y J9              | Y J9              | Y Aux              | Y J9              | Y J9              | N                  | Y Aux              |
| Option 1         | N                | Y Aux            | Y Aux              | N                  | N                  | N                  | N                |                  |  |                  | N                 | N                 | N                  | N                 | Y Aux             | N                  | N                  |
| Notes            | DB2              | DB2              | DB2                | DB2                | DB2                | DB2                | DB2 & Y Cable    |                  |  |                  | DB1               | DB2               | DB1                | DB1               | DB1               |                    |                    |

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### NEO 2100 Controller with NEO 2100 TopSide Panel

#### PAGE 7 - VARIABLE SPEED PUMP SWIM SPA

| Features         | Configuration #1 | Configuration #2 | Configuration #3   | Configuration #4   | Configuration #5 | Configuration #6 | Configuration #7 | Configuration #8 |  | Configuration #9 | Configuration #10 | Configuration #11 | Configuration #12 | Configuration #13  | Configuration #14  | Configuration #15  | Configuration #16  |
|------------------|------------------|------------------|--------------------|--------------------|------------------|------------------|------------------|------------------|--|------------------|-------------------|-------------------|-------------------|--------------------|--------------------|--------------------|--------------------|
| Circulation Pump | N                | N                | Y (Ozone relay) J9 | Y (Ozone relay) J9 | N(Bradford)      |                  |                  |                  |  |                  |                   |                   |                   | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 |
| Pump 1           | 2-Speed J8       | 2-Speed J8       | 2-Speed J8         | 2-Speed J8         | 1-Speed J9       |                  |                  |                  |  |                  |                   |                   |                   | 2/3var J8/J10/J1   | 2/3var J8/J10/J1   | 2vars J8/J10       | 2vars J8/J10       |
| Pump 2           | 3vars J10/1/2    | 3vars J10/1/2    | 3vars J10/1/2      | 3vars J10/1/2      | 3vars J10/1/2    |                  |                  |                  |  |                  |                   |                   |                   | N                  | 1-Speed J2         | 1-Speed J1         | 1-Speed J1         |
| Pump 3           | N                | N                | N                  | N                  | 1-Speed J8       |                  |                  |                  |  |                  |                   |                   |                   | N                  | N                  | 1-Speed J2         | 1-Speed J2         |
| Pump 4           | N                | N                | N                  | N                  | N                |                  |                  |                  |  |                  |                   |                   |                   | N                  | N                  | N                  | 1-Speed (J2)       |
| Pump 5           | N                | N                | N                  | N                  | N                |                  |                  |                  |  |                  |                   |                   |                   | N                  | N                  | N                  | N                  |
| Blower           | Y Aux            | N                | Y Aux              | N                  | N                |                  |                  |                  |  |                  |                   |                   |                   | N                  | N                  | N                  | N                  |
| Ozone            | Y J9             | Y J9             | N                  | Y Aux              | Y Aux            |                  |                  |                  |  |                  |                   |                   |                   | Y Aux              | Y Aux              | Y Aux              | Y Aux              |
| Option 1         | N                | Y Aux            | N                  | N                  | N                |                  |                  |                  |  |                  |                   |                   |                   | N                  | N                  | N                  | N                  |
| Notes            | DB2              | DB2              | DB2                | DB2                | DB2              |                  |                  |                  |  |                  |                   |                   |                   | DB1                | DB2                | DB2                | DB2 & Y Cable      |

### NEO 2100 Controller with NEO 2100 TopSide Panel

#### PAGE 8 - VARIABLE SPEED PUMP w THERAPY

| Features         | Configuration #1 | Configuration #2 | Configuration #3 | Configuration #4 | Configuration #5 | Configuration #6 | Configuration #7 | Configuration #8 |  | Configuration #9 | Configuration #10 | Configuration #11 | Configuration #12 | Configuration #13 | Configuration #14 | Configuration #15 | Configuration #16 |
|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Circulation Pump | N                | N                | N                | N                | N                | N                | N                | N                |  | N                | N(Saratoga)       | N(Saratoga)       | N(Saratoga)       | N(Saratoga) J9    |                   |                   |                   |
| Pump 1           | Var J8           | Var J8           | Var J8           | Var J8           | Var J8           | Var J8           | Var J8           | Var J8           |  | Var J8           | Var J8            | Var J8            | Var J8            | Var J8            |                   |                   |                   |
| Pump 2           | N                | 1-Speed J10      | 2-Speed J10      | 2-Speed J10      | 2-Speed J10      | 1-Speed J10      | Var J10          | Var J10          |  | Var J10          | 2-Speed J10       | 2-Speed J10       | 2-Speed J10       | 2-Speed J1        |                   |                   |                   |
| Pump 3           | N                | N                | N                | 1-Speed J1       | 2-Speed J1       | 1-Speed J1       | N                | 1-Speed J1       |  | 2-Speed J1       | 2-Speed J1        | 2-Speed J1        | 2-Speed J1        | 2-Speed J2        |                   |                   |                   |
| Pump 4           | N                | N                | N                | N                | N                | N                | N                | N                |  | N                | N                 | 2-Speed J2        | 2-Speed J2        |                   |                   |                   |                   |
| Pump 5           | N                | N                | N                | N                | N                | N                | N                | N                |  | N                | N                 | N                 | N                 |                   |                   |                   |                   |
| Blower           | N                | N                | N                | N                | N                | N                | N                | N                |  | N                | Y Aux             | N                 | Y Aux             | Y J10             |                   |                   |                   |
| Ozone            | Y J9             | Y J9             | Y J9             | Y J9             | Y J9             | Y J9             | Y J9             | Y J9             |  | Y J9             | Y J9              | Y J9              | Y J9              | Y Aux             |                   |                   |                   |
| Option 1         | Y Aux            | Y Aux            | Y Aux            | Y Aux            | Y Aux            | Y Aux            | Y Aux            | Y Aux            |  | Y Aux            |                   |                   |                   |                   |                   |                   |                   |
| Notes            |                  |                  |                  | DB1              | DB1              | DB1              |                  | DB1              |  | DB1              | DB1               | DB2               | DB2               | DB2               |                   |                   |                   |

# NEO 2100

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### NEO 2100 Controller with NEO 1100 TopSide Panel

#### PAGE 1 - CIRC/NON-CIRC

| Features         | Configuration #1   | Configuration #2   | Configuration #3   | Configuration #4   | Configuration #5   | Configuration #6   | Configuration #7   | Configuration #8   |  | Configuration #9   | Configuration #10 | Configuration #11 | Configuration #12 | Configuration #13 | Configuration #14 | Configuration #15 | Configuration #16 |
|------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Circulation Pump | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 |  | Y (Ozone relay) J9 | N                 | N                 | N                 | N                 | N                 | N                 | N                 |
| Pump 1           | 2-Speed J8         | 2-Speed J8         | 2-Speed J8         | 2-Speed J8         | 2-Speed J8         | 2-Speed J8         | 2-Speed J8         | 2-Speed J8         |  | 2-Speed J8         | 2-Speed J8        | 2-Speed J8        | 2-Speed J8        | 2-Speed J8        | 2-Speed J8        | 2-Speed J8        | 2-Speed J8        |
| Pump 2           | N                  | 1-Speed J10        | 2-Speed J10        | 2-Speed J10        | 2-Speed J10        | N                  | 1-Speed J10        | 2-Speed J1         |  | 1-Speed J10        | N                 | 1-Speed J10       | 2-Speed J10       | 2-Speed J10       | 2-Speed J10       | 2-Speed J10       | 2-Speed J10       |
| Pump 3           | N                  | N                  | N                  | 2-Speed J1         | 2-Speed J1         | N                  | N                  | N                  |  | 1-Speed J1         | N                 | N                 | N                 | N                 | 2-Speed J1        | 2-Speed J1        | 2-Speed J1        |
| Pump 4           | N                  | N                  | N                  | N                  | N                  | N                  | N                  | N                  |  | N                  | N                 | N                 | N                 | N                 | N                 | N                 | N                 |
| Pump 5           | N                  | N                  | N                  | N                  | N                  | N                  | N                  | N                  |  | N                  | N                 | N                 | N                 | N                 | N                 | N                 | N                 |
| Blower           | Y J10              | N                  | N                  | N                  | N                  | Y J10              | N                  | Y J10              |  | N                  | Y J10             | N                 | N                 | Y Aux             | N                 | N                 | N                 |
| Ozone            | N                  | N                  | N                  | N                  | Y Aux              | Y Aux              | Y Aux              | Y Aux              |  | Y Aux              | Y J9              | Y J9              | Y J9              | Y J9              | Y J9              | Y J9              | N                 |
| Option 1         | Y Aux              | Y Aux              | Y Aux              | Y Aux              | N                  | N                  | N                  | N                  |  | N                  | Y Aux             | Y Aux             | Y Aux             | N                 | Y Aux             | N                 | Y Aux             |
| Notes            |                    |                    |                    | DB1                | DB1                |                    |                    | DB1                |  | DB1                |                   |                   |                   |                   | DB1               | DB1               | DB1               |

### NEO 2100 Controller with NEO 1100 TopSide Panel

#### PAGE 2 - CIRC/NON-CIRC

| Features         | Configuration #1   | Configuration #2   | Configuration #3   | Configuration #4   | Configuration #5   | Configuration #6   | Configuration #7   | Configuration #8   |  | Configuration #9 | Configuration #10 | Configuration #11 | Configuration #12 | Configuration #13 | Configuration #14 | Configuration #15 | Configuration #16 |
|------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Circulation Pump | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 |  | N                | N                 | N                 | N                 | N                 | N                 | N                 | N                 |
| Pump 1           | 2-Speed J8         | 2-Speed J8         | 2-Speed J8         | 2-Speed J8         | 2-Speed J8         | 2-Speed J8         | 1-Speed J8         | 1-Speed J8         |  | 2-Speed J8       | 2-Speed J8        | 2-Speed J8        | 2-Speed J8        | 2-Speed J8        | 2-Speed J8        | 2-Speed J8        | 2-Speed J8        |
| Pump 2           | N                  | N                  | 2-Speed J10        | 2-Speed J10        | 1-Speed J10        | 1-Speed J10        | 1-Speed (J8)       | 1-Speed (J8)       |  | 1-Speed J10      | N                 | 1-Speed J10       | 2-Speed J10       | 2-Speed J10       | N                 | N                 | 1-Speed J10       |
| Pump 3           | N                  | N                  | N                  | N                  | N                  | N                  | 1-Speed J10        | 1-Speed J10        |  | 1-Speed J1       | N                 | N                 | N                 | N                 | N                 | N                 | N                 |
| Pump 4           | N                  | N                  | N                  | N                  | N                  | N                  | N                  | N                  |  | N                | N                 | N                 | N                 | N                 | N                 | N                 | N                 |
| Blower           | N                  | N                  | N                  | Y Aux              | Y Aux              | Y Aux              | N                  | N                  |  | N                | Y J10             | N                 | N                 | Y Aux             | N                 | N                 | Y Aux             |
| Ozone            | N                  | Y Aux              | Y Aux              | N                  | N                  | Y (J10)            | N                  | Y Aux              |  | N                | N                 | N                 | N                 | N                 | N                 | Y J9              | Y J9              |
| Option 1         | Y Aux              | Y J10              | N                  | N                  | N                  | N                  | Y Aux              | N                  |  | Y Aux            | Y Aux             | Y Aux             | Y Aux             | Y J9              | Y Aux             | Y Aux             | N                 |
| Notes            |                    |                    |                    |                    |                    | Y Cable required   | Y Cable required   | Y Cable required   |  | DB1              |                   |                   |                   |                   |                   |                   |                   |

### NEO 2100 Controller with NEO 1100 TopSide Panel

#### PAGE 3 - CIRC

| Features         | Configuration #1   | Configuration #2   | Configuration #3   | Configuration #4   | Configuration #5   | Configuration #6   | Configuration #7   | Configuration #8   |  | Configuration #9   | Configuration #10  | Configuration #11  | Configuration #12  | Configuration #13  | Configuration #14  | Configuration #15  | Configuration #16  |
|------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Circulation Pump | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 |  | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 |
| Pump 1           | 1-Speed J8         | 1-Speed J8         | 1-Speed J8         | 1-Speed J8         | 1-Speed J8         | 1-Speed J8         | 2-Speed J8         | 2-Speed J8         |  | 2-Speed J8         | 2-Speed J8         | 1-Speed J8         | 1-Speed J8         | 2-Speed J8         | 2-Speed J8         | 2-Speed J8         | 2-Speed J8         |
| Pump 2           | N                  | N                  | N                  | 1-Speed J10        | 1-Speed J10        | 1-Speed J1         | 1-Speed J10        | 1-Speed J10        |  | 2-Speed J1         | 2-Speed J1         | 1-Speed J10        | 1-Speed J10        | 1-Speed J10        | 2-Speed J10        | 2-Speed J10        | 2-Speed J10        |
| Pump 3           | N                  | N                  | N                  | N                  | N                  | N                  | N                  | N                  |  | N                  | N                  | 1-Speed J1         | 1-Speed J1         | 1-Speed J1         | 1-Speed J1         | 1-Speed J1         | 1-Speed J1         |
| Pump 4           | N                  | N                  | N                  | N                  | N                  | N                  | N                  | N                  |  | N                  | N                  | N                  | N                  | N                  | N                  | N                  | N                  |
| Pump 5           | N                  | N                  | N                  | N                  | N                  | N                  | N                  | N                  |  | N                  | N                  | N                  | N                  | N                  | N                  | N                  | N                  |
| Blower           | N                  | Y J10              | Y J10              | N                  | Y Aux              | Y J10              | Y Aux              | N                  |  | N                  | Y J10              | N                  | N                  | N                  | N                  | N                  | N                  |
| Ozone            | Y Aux              | Y Aux              | N                  | Y Aux              | N                  | Y Aux              | N                  | Y Aux              |  | Y Aux              | N                  | Y Aux              | N                  | N                  | Y Aux              | N                  | Y Aux              |
| Option 1         | Y J10              | N                  | Y Aux              | N                  | N                  | N                  | Y (J10)            | Y (J10)            |  | Y J10              | Y Aux              | N                  | Y Aux              | Y Aux              | N                  | Y Aux              | Y (J1)             |
| Notes            |                    |                    |                    |                    |                    | DB1                | Y Cable            | Y Cable            |  | DB1                | DB1                | DB1                | DB1                | DB1                | DB1                | DB1                | DB1 & Y Cable      |

### NEO 2100 Controller with NEO 1100 TopSide Panel

#### PAGE 4 - NON-CIRC

| Features         | Configuration #1 | Configuration #2 | Configuration #3 | Configuration #4 | Configuration #5 | Configuration #6 | Configuration #7 | Configuration #8 |  | Configuration #9 | Configuration #10 | Configuration #11 | Configuration #12 | Configuration #13 | Configuration #14 | Configuration #15 | Configuration #16 |
|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Circulation Pump | N                | N                | N                | N                | N                | N                | N                | N                |  | N                | N                 | N                 | N                 | N                 | N                 | N                 | N                 |
| Pump 1           | 1-Speed J8       | 1-Speed J8       | 1-Speed J8       | 1-Speed J8       | 1-Speed J8       | 2-Speed J8       | 2-Speed J8       | 2-Speed J8       |  | 1-Speed J8       | 1-Speed J8        | 1-Speed J8        | 1-Speed J8        | 2-Speed J8        | 2-Speed J8        | 2-Speed J8        | 2-Speed J8        |
| Pump 2           | N                | N                | 1-Speed J10      | 1-Speed J10      | 1-Speed J10      | 1-Speed J10      | 1-Speed J10      | 2-Speed J10      |  | 1-Speed (J8)     | 1-Speed (J8)      | 1-Speed J10       | 1-Speed J10       | 1-Speed J10       | 1-Speed J10       | 2-Speed J10       | 2-Speed J10       |
| Pump 3           | N                | N                | N                | N                | N                | N                | N                | N                |  | 1-Speed J10      | 1-Speed J10       | 1-Speed J1        | 1-Speed J1        | 1-Speed J1        | 1-Speed J1        | 1-Speed J1        | 1-Speed J1        |
| Pump 4           | N                | N                | N                | N                | N                | N                | N                | N                |  | N                | N                 | N                 | N                 | N                 | N                 | N                 | N                 |
| Pump 5           | N                | N                | N                | N                | N                | N                | N                | N                |  | N                | N                 | N                 | N                 | N                 | N                 | N                 | N                 |
| Blower           | Y J10            | N                | N                | Y Aux            | Y Aux            | Y Aux            | N                | N                |  | N                | N                 | N                 | N                 | N                 | N                 | N                 | N                 |
| Ozone            | Y J9             | Y J9             | Y J9             | Y J9             | N                | N                | Y J9             | Y J9             |  | Y J9             | N                 | Y J9              | N                 | Y J9              | N                 | Y J9              | N                 |
| Option 1         | Y Aux            | Y Aux            | Y Aux            | N                | Y J9             | Y J9             | N                | N                |  | Y Aux            | Y Aux             | Y Aux             | Y Aux             | Y Aux             | Y Aux             | Y Aux             | Y Aux             |
| Notes            |                  |                  |                  |                  |                  |                  |                  |                  |  | Y Cable          | Y Cable           | DB1               | DB1               | DB1               | DB1               | DB1               | DB1               |

# NEO 2100

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### NEO 2100 Controller with NEO 1100 TopSide Panel

#### PAGE 5 - SPECIAL - CIRC / ACTS LIKE Pump 1

| Features         | Configuration #1 | Configuration #2 | Configuration #3 | Configuration #4 | Configuration #5 | Configuration #6 | Configuration #7 | Configuration #8 |  | Configuration #9 | Configuration #10 | Configuration #11 | Configuration #12 | Configuration #13 | Configuration #14 | Configuration #15 | Configuration #16 |
|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Circulation Pump | N                | N                | N                | N                | N                | N                | N                | N                |  | N                | N                 | N                 | N                 | N                 | N                 | N                 | N                 |
| Pump 1           | 1-Speed J9       | 1-Speed J9       | 1-Speed J9       | 1-Speed J9       | 1-Speed J9       | 1-Speed J9       | 1-Speed J9       | 1-Speed J9       |  | 1-Speed J9       | 1-Speed J9        | 1-Speed J9        | 1-Speed J9        | 1-Speed J9        | 1-Speed J9        | 1-Speed J9        | 1-Speed J9        |
| Pump 2           | 2-Speed J8       | 2-Speed J8       | 2-Speed J8       | 2-Speed J8       | 2-Speed J8       | 2-Speed J8       | 1-Speed J8       | 1-Speed J8       |  | 1-Speed J8       | 1-Speed J8        | 1-Speed J8        | 1-Speed J8        | 2-Speed J8        | 2-Speed J8        | 2-Speed J8        | 2-Speed J8        |
| Pump 3           | N                | N                | N                | N                | N                | N                | N                | N                |  | N                | N                 | 1-Speed J10       | 1-Speed J10       | 1-Speed J10       | 1-Speed J10       | 2-Speed J10       | 2-Speed J10       |
| Pump 4           | N                | N                | N                | N                | N                | N                | N                | N                |  | N                | N                 | N                 | N                 | N                 | N                 | N                 | N                 |
| Pump 5           | N                | N                | N                | N                | N                | N                | N                | N                |  | N                | N                 | N                 | N                 | N                 | N                 | N                 | N                 |
| Blower           | Y J10            | N                | Y J10            | N                | N                | Y J10            | Y J10            | Y J10            |  | Y J10            | N                 | N                 | N                 | N                 | N                 | N                 | N                 |
| Ozone            | Y Aux            | Y Aux            | N                | N                | Y Aux            | N                | N                | N                |  | Y Aux            | Y Aux             | Y Aux             | N                 | Y Aux             | N                 | Y Aux             | N                 |
| Option 1         | N                | N                | N                | Y J10            | Y J10            | Y Aux            | N                | Y Aux            |  | N                | Y J10             | N                 | Y Aux             | N                 | Y Aux             | N                 | Y Aux             |
| Notes            |                  |                  |                  |                  |                  |                  |                  |                  |  |                  |                   |                   |                   |                   |                   |                   |                   |

### NEO 2100 Controller with NEO 1100 TopSide Panel

#### PAGE 6 - SPECIAL - VARIABLE SPEED SWIM SPA CONFIGURATIONS

| Features         | Configuration #1 | Configuration #2 | Configuration #3   | Configuration #4   | Configuration #5   | Configuration #6   | Configuration #7   | Configuration #8 |  | Configuration #9 | Configuration #10 | Configuration #11 | Configuration #12  | Configuration #13 | Configuration #14 | Configuration #15  | Configuration #16  |
|------------------|------------------|------------------|--------------------|--------------------|--------------------|--------------------|--------------------|------------------|--|------------------|-------------------|-------------------|--------------------|-------------------|-------------------|--------------------|--------------------|
| Circulation Pump | N                | N                | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 |                  |  |                  | N-PDC             |                   | Y (Ozone relay) J9 | N                 | N                 | Y (Ozone relay) J9 | Y (Ozone relay) J9 |
| Pump 1           | 2-Speed J8       | 2-Speed J8       | 2-Speed J8         | 2-Speed J8         | 2-Speed J8         | 1-Speed J8         | 1-Speed J8         |                  |  |                  | 2-Speed J8        |                   | 2-Speed J8         | 2-Speed J8        | 2-Speed J8        | 4-Speed J8         | 4-Speed J8         |
| Pump 2           | 6-Speed J10/1/2  | 6-Speed J10/1/2  | 6-Speed J10/1/2    | 6-Speed J10/1/2    | 6-Speed J10/1/2    | 6-Speed J10/1/2    | 6-Speed J10/1/2    |                  |  |                  | Var J1            |                   | 4-Speed J10/1      | 4-Speed J10/1     | 4-Speed J10/1     | N                  | N                  |
| Pump 3           | N                | N                | N                  | N                  | N                  | N                  | N                  |                  |  |                  | N                 |                   | N                  | N                 | N                 | N                  | N                  |
| Pump 4           | N                | N                | N                  | N                  | N                  | N                  | N                  |                  |  |                  | N                 |                   | N                  | N                 | N                 | N                  | N                  |
| Pump 5           | N                | N                | N                  | N                  | N                  | N                  | N                  |                  |  |                  | N                 |                   | N                  | N                 | N                 | N                  | N                  |
| Blower           | N                | N                | N                  | N                  | N                  | N                  | N                  |                  |  |                  | N                 |                   | N                  | N                 | N                 | Y Aux              | N                  |
| Ozone            | Y J9             | Y J9             | N                  | Y Aux              | N                  | Y Aux              | Y Aux              |                  |  |                  | Y J9              |                   | Y Aux              | Y J9              | Y J9              | N                  | Y Aux              |
| Option 1         | N                | Y Aux            | Y Aux              | N                  | N                  | N                  | N                  |                  |  |                  | Y Aux             |                   | N                  | N                 | Y Aux             | N                  | N                  |
| Notes            | DB2              | DB2              | DB2                | DB2                | DB2                | DB2                | DB2                |                  |  |                  | DB1               |                   | DB1                | DB1               | DB1               |                    |                    |



# NEO 2100

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### NEO 2100 Controller with NEO 1000 TopSide Panel

#### PAGE 1 - NON-CIRC

| Features         | Configuration #1 | Configuration #2 | Configuration #3 | Configuration #4 | Configuration #5 | Configuration #6 | Configuration #7 | Configuration #8 |  | Configuration #9 | Configuration #10 | Configuration #11 | Configuration #12 | Configuration #13 | Configuration #14 | Configuration #15 | Configuration #16 |
|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Circulation Pump | N                | N                | N                | N                | N                | N                | N                | N                |  | N                | N                 | N                 | N                 | N                 | N                 | N                 | N                 |
| Pump 1           | 1-Speed J8       | 1-Speed J8       | 2-Speed J8       | 2-Speed J8       | 1-Speed J8       | 1-Speed J8       | 2-Speed J8       | 2-Speed J8       |  | 2-Speed J8       | 2-Speed J8        | 1-Speed J8        | 1-Speed J8        | 2-Speed J8        | 2-Speed J8        | 2-Speed J8        | 2-Speed J8        |
| Pump 2           | N                | N                | N                | N                | 1-Speed J10      | 1-Speed J10      | 1-Speed J10      | 1-Speed J10      |  | 2-Speed J10      | 2-Speed J10       | N                 | N                 | N                 | N                 | 2-Speed J10       | 2-Speed J10       |
| Pump 3           | N                | N                | N                | N                | N                | N                | N                | N                |  | N                | N                 | N                 | N                 | N                 | N                 | N                 | N                 |
| Pump 4           | N                | N                | N                | N                | N                | N                | N                | N                |  | N                | N                 | N                 | N                 | N                 | N                 | N                 | N                 |
| Blower           | N                | N                | N                | N                | N                | N                | N                | N                |  | N                | N                 | Y J10             | Y J10             | Y J10             | Y J10             | N                 | N                 |
| Ozone            | N                | Y J9             | N                | Y J9             | N                | Y J9             | N                | Y J9             |  | N                | Y J9              | N                 | Y J9              | N                 | Y J9              | N                 | Y J9              |
| Option 1         | Y Aux            | Y Aux            | Y Aux            | Y Aux            | Y Aux            | Y Aux            | Y Aux            | Y Aux            |  | Y Aux            | Y Aux             | Y Aux             | Y Aux             | Y Aux             | Y Aux             | Y Aux             | Y Aux             |
| Notes            |                  |                  |                  |                  |                  |                  |                  |                  |  |                  |                   |                   |                   |                   |                   |                   |                   |

### NEO 2100 Controller with NEO 1000 TopSide Panel

#### PAGE 2 - CIRC

| Features         | Configuration #1   | Configuration #2   | Configuration #3   | Configuration #4   | Configuration #5   | Configuration #6   | Configuration #7   | Configuration #8   |  | Configuration #9   | Configuration #10  | Configuration #11  | Configuration #12  | Configuration #13  | Configuration #14  | Configuration #15  | Configuration #16  |
|------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Circulation Pump | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 |  | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 |
| Pump 1           | 1-Speed J8         | 1-Speed J8         | 2-Speed J8         | 2-Speed J8         | 1-Speed J8         | 1-Speed J8         | 2-Speed J8         | 2-Speed J8         |  | 2-Speed J8         | 2-Speed J8         | 1-Speed J8         | 1-Speed J8         | 2-Speed J8         | 2-Speed J8         | 2-Speed J8         | 2-Speed J8         |
| Pump 2           | N                  | N                  | N                  | N                  | 1-Speed J10        | 1-Speed J10        | 1-Speed J10        | 1-Speed J10        |  | 2-Speed J10        | 2-Speed J10        | N                  | N                  | N                  | N                  | N                  | 1-Speed J10        |
| Pump 3           | N                  | N                  | N                  | N                  | N                  | N                  | N                  | N                  |  | N                  | N                  | N                  | N                  | N                  | N                  | N                  | N                  |
| Pump 4           | N                  | N                  | N                  | N                  | N                  | N                  | N                  | N                  |  | N                  | N                  | N                  | N                  | N                  | N                  | N                  | N                  |
| Blower           | N                  | N                  | N                  | N                  | N                  | N                  | N                  | N                  |  | N                  | N                  | Y J10              | Y J10              | Y J10              | Y J10              | Y J10              | N                  |
| Ozone            | N                  | Y J10              | N                  | Y J10              | N                  | Y Aux              | N                  | Y Aux              |  | N                  | Y Aux              | N                  | Y Aux              | N                  | Y Aux              | Y Aux              | Y Aux              |
| Option 1         | Y Aux              | Y Aux              | Y Aux              | Y Aux              | Y Aux              | N                  | Y Aux              | N                  |  | Y Aux              | N                  | Y Aux              | N                  | Y Aux              | N                  | Y J10              | Y J10              |
| Notes            |                    |                    |                    |                    |                    |                    |                    |                    |  |                    |                    |                    |                    |                    |                    | Y Cable required   | Y Cable required   |

# NEO 1500

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### NEO 1500 Controller with NEO 2100 TopSide Panel

#### PAGE 1 - NON-CIRC

| Features         | Configuration #1 | Configuration #2 | Configuration #3 | Configuration #4 | Configuration #5 | Configuration #6 | Configuration #7 | Configuration #8 |  | Configuration #9 | Configuration #10 | Configuration #11 | Configuration #12 | Configuration #13 | Configuration #14 | Configuration #15 | Configuration #16 |
|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Circulation Pump | N                | N                | N                | N                | N                | N                | N                | N                |  | N                | N                 | N                 | N                 | N                 | N                 | N                 | N                 |
| Pump 1           | 1-Speed J8       | 1-Speed J8       | 1-Speed J8       | 1-Speed J8       | 1-Speed J8       | 2-Speed J8       | 2-Speed J8       | 2-Speed J8       |  | 2-Speed J8       | 2-Speed J8        | 1-Speed J8        | 2-Speed J8        | 2-Speed J8        | 2-Speed J8        | 2-Speed J8        | 2-Speed J8        |
| Pump 2           | N                | N                | N                | 1-Speed J10      | 1-Speed J10      | N                | N                | N                |  | 1-Speed J10      | 1-Speed J10       | 1-Speed J10       | 1-Speed J1        | 1-Speed J1        | 1-Speed J1        | 2-Speed J1        | 2-Speed J1        |
| Pump 3           | N                | N                | N                | N                | N                | N                | N                | N                |  | N                | N                 | N                 | N                 | N                 | N                 | N                 | N                 |
| Pump 4           | N                | N                | N                | N                | N                | N                | N                | N                |  | N                | N                 | N                 | N                 | N                 | N                 | N                 | N                 |
| Pump 5           | N                | N                | N                | N                | N                | N                | N                | N                |  | N                | N                 | N                 | N                 | N                 | N                 | N                 | N                 |
| Blower           | N                | Y J10            | Y J10            | N                | N                | N                | Y J10            | Y J10            |  | N                | N                 | N                 | N                 | Y J10             | Y J10             | N                 | Y J10             |
| Ozone            | Y J9             | Y J9             | N                | Y J9             | N                | Y J9             | Y J9             | N                |  | Y J9             | N                 | Y J9              | Y J9              | Y J9              | N                 | Y J9              | Y J9              |
| Option 1         | Y J10            | N                | Y J9             | N                | Y J9             | Y J10            | N                | Y J9             |  | N                | Y J9              | Y (J8)            | Y J10             | N                 | Y J9              | Y J10             | N                 |
| Notes            |                  |                  |                  |                  |                  |                  |                  |                  |  |                  |                   | Y Cable           | DB1               | DB1               | DB1               | DB1               | DB1               |

### NEO 1500 Controller with NEO 2100 TopSide Panel

#### PAGE 2 - NON-CIRC

| Features         | Configuration #1 | Configuration #2 | Configuration #3 | Configuration #4 | Configuration #5 | Configuration #6 | Configuration #7 | Configuration #8 |  | Configuration #9 | Configuration #10 | Configuration #11 | Configuration #12 | Configuration #13 | Configuration #14 | Configuration #15 | Configuration #16 |
|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Circulation Pump | N                | N                | N                | N                | N                | N                | N                | N                |  | N                | N                 | N                 | N                 | N                 | N                 | N                 | N                 |
| Pump 1           | 2-Speed J8       | 1-Speed J8       | 1-Speed J8       | 1-Speed J8       | 2-Speed J8       | 2-Speed J8       | 2-Speed J8       | 2-Speed J8       |  | 2-Speed J8       | 2-Speed J8        | 1-Speed J8        | 1-Speed J8        | 1-Speed J8        | 1-Speed J8        | 1-Speed J8        | 1-Speed J8        |
| Pump 2           | 2-Speed J1       | 1-Speed J1       | 1-Speed J1       | 1-Speed J1       | 2-Speed J1       | 2-Speed J1       | 2-Speed J1       | 1-Speed J1       |  | 1-Speed J1       | 1-Speed J1        | 1-Speed J1        | 1-Speed J1        | 1-Speed J1        | 1-Speed (J8)      | 1-Speed (J8)      | 1-Speed (J8)      |
| Pump 3           | N                | N                | N                | N                | 1-Speed J10      | 1-Speed J10      | 1-Speed J10      | 1-Speed (J1)     |  | 1-Speed (J1)     | 1-Speed (J1)      | 1-Speed (J1)      | 1-Speed (J1)      | 1-Speed (J1)      | 1-Speed (J1)      | 1-Speed (J1)      | 1-Speed (J1)      |
| Pump 4           | N                | N                | N                | N                | N                | N                | N                | N                |  | N                | N                 | N                 | N                 | N                 | 1-Speed (J1)      | 1-Speed (J1)      | 1-Speed (J1)      |
| Pump 5           | N                | N                | N                | N                | N                | N                | N                | N                |  | N                | N                 | N                 | N                 | N                 | N                 | N                 | N                 |
| Blower           | Y J10            | Y J10            | N                | Y J10            | N                | N                | N                | N                |  | Y J10            | Y J10             | N                 | Y J10             | Y J10             | N                 | Y J10             | Y J10             |
| Ozone            | N                | Y J9             | Y J9             | N                | Y J9             | N                | N                | Y J9             |  | Y J9             | N                 | Y J9              | Y J9              | Y J9              | Y J9              | Y J9              | N                 |
| Option 1         | Y J9             | N                | Y J10            | Y J9             | N                | Y J9             | N                | Y J10            |  | N                | Y J9              | Y J10             | N                 | Y (J8)            | Y J10             | N                 | Y J9              |
| Notes            | DB1              | DB1              | DB1              | DB1              | DB1              | DB1              | DB1              | DB1 and Y Cable  |  | DB1 and Y Cable  | DB1 and Y Cable   | DB1 and Y Cable   | DB1 and Y Cable   | DB1 and Y Cable   | DB1 and Y Cable   | DB1 and Y Cable   | DB1 and Y Cable   |

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### NEO 1500 Controller with NEO 2100 TopSide Panel

#### PAGE 3 - CIRC

| Features         | Configuration #1   | Configuration #2   | Configuration #3   | Configuration #4   | Configuration #5   | Configuration #6   | Configuration #7   | Configuration #8   |  | Configuration #9   | Configuration #10  | Configuration #11  | Configuration #12  | Configuration #13  | Configuration #14  | Configuration #15  | Configuration #16  |       |
|------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------|
| Circulation Pump | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 |  | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 |       |
| Pump 1           | 2-Speed J8         | 2-Speed J8         | 2-Speed J8         | 2-Speed J8         | 1-Speed J8         | 1-Speed J8         | 1-Speed J8         | 1-Speed J8         |  | 1-Speed J8         | 1-Speed J8         | 1-Speed J8         | 2-Speed J8         | 2-Speed J8         | 2-Speed J8         | 2-Speed J8         | 2-Speed J8         |       |
| Pump 2           | N                  | N                  | N                  | 1-Speed J10        | 1-Speed J10        | N                  | N                  | N                  |  | N                  | 1-Speed (J8)       | 1-Speed (J8)       | 2-Speed J1         | 2-Speed J1         | 2-Speed J1         | 2-Speed J1         | N                  |       |
| Pump 3           | N                  | N                  | N                  | N                  | N                  | N                  | N                  | N                  |  | N                  | N                  | N                  | N                  | N                  | N                  | N                  | 1-Speed J10        | N     |
| Pump 4           | N                  | N                  | N                  | N                  | N                  | N                  | N                  | N                  |  | N                  | N                  | N                  | N                  | N                  | N                  | N                  | N                  | N     |
| Pump 5           | N                  | N                  | N                  | N                  | N                  | N                  | N                  | N                  |  | N                  | N                  | N                  | N                  | N                  | N                  | N                  | N                  | N     |
| Blower           | Y J10              | N                  | N                  | N                  | N                  | Y J10              | N                  | N                  |  | Y J10              | N                  | N                  | Y J10              | N                  | N                  | N                  | N                  | Y J1  |
| Ozone            | N                  | Y J10              | N                  | N                  | N                  | N                  | Y J10              | N                  |  | Y (J8)             | Y J10              | N                  | N                  | Y J10              | N                  | N                  | N                  | Y J10 |
| Option 1         | N                  | N                  | Y J10              | N                  | N                  | N                  | N                  | Y J10              |  | N                  | N                  | Y J10              | N                  | N                  | Y J10              | N                  | N                  | N     |
| Notes            |                    |                    |                    |                    |                    |                    |                    |                    |  | Y Cable            | Y Cable            | Y Cable            | DB1                | DB1                | DB1                | DB1                | DB1                |       |

### NEO 1500 Controller with NEO 2100 TopSide Panel

#### PAGE 4 - CIRC

| Features         | Configuration #1   | Configuration #2   | Configuration #3   | Configuration #4   | Configuration #5   | Configuration #6   | Configuration #7   | Configuration #8   |  | Configuration #9   | Configuration #10  | Configuration #11  | Configuration #12  | Configuration #13  | Configuration #14  | Configuration #15  | Configuration #16  |
|------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Circulation Pump | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 |  | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 |
| Pump 1           | 2-Speed J8         | 2-Speed J8         | 2-Speed J8         | 2-Speed J8         | 2-Speed J8         | 1-Speed J8         | 2-Speed J8         | 2-Speed J8         |  | 2-Speed J8         | 1-Speed J8         | 1-Speed J8         | 1-Speed J8         | 1-Speed J8         | 1-Speed J8         | 1-Speed J8         | 2-Speed J8         |
| Pump 2           | N                  | N                  | 1-Speed J1         | 1-Speed J1         | 1-Speed J1         | 1-Speed J10        | 1-Speed J1         | 1-Speed J1         |  | 1-Speed J1         | 1-Speed (J8)       | 1-Speed (J8)       | 1-Speed (J8)       | 1-Speed (J8)       | 1-Speed (J8)       | 1-Speed (J8)       | 1-Speed J10        |
| Pump 3           | N                  | N                  | N                  | N                  | N                  | 1-Speed J1         | N                  | N                  |  | N                  | N                  | N                  | 1-Speed J1         | 1-Speed J1         | 1-Speed J1         | 1-Speed J1         | 1-Speed J1         |
| Pump 4           | N                  | N                  | N                  | N                  | N                  | N                  | N                  | N                  |  | N                  | N                  | N                  | N                  | N                  | 1-Speed (J1)       | 1-Speed (J1)       | 1-Speed (J1)       |
| Pump 5           | N                  | N                  | N                  | N                  | N                  | N                  | N                  | N                  |  | N                  | N                  | N                  | N                  | N                  | N                  | N                  | N                  |
| Blower           | Y J10              | N                  | N                  | Y J10              | N                  | N                  | Y (J1)             | Y (J1)             |  | N                  | Y (J1)             | Y (J1)             | N                  | Y (J1)             | N                  | N                  | N                  |
| Ozone            | N                  | Y J10              | Y J10              | N                  | N                  | N                  | Y J10              | N                  |  | Y J10              | Y J10              | Y J10              | Y J10              | Y J10              | Y J10              | N                  | N                  |
| Option 1         | Y J1               | Y J1               | N                  | N                  | Y J10              | N                  | N                  | Y J10              |  | Y (J1)             | N                  | Y (J1)             | N                  | N                  | N                  | Y J10              | N                  |
| Notes            | DB1                | DB1                | DB1                | DB1                | DB1                | DB1                | DB1 and Y Cable    | DB1 and Y Cable    |  | DB1 and Y Cable    | DB1 and Y Cable    | DB1 and Y Cable    | DB1 and Y Cable    | DB1 and Y Cable    | DB1 and Y Cable    | DB1 and Y Cable    | DB1 and Y Cable    |

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### NEO 1500 Controller with NEO 2100 TopSide Panel

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| Features         | Configuration #1 | Configuration #2 | Configuration #3 | Configuration #4 | Configuration #5 | Configuration #6 | Configuration #7 | Configuration #8 |  | Configuration #9 | Configuration #10 | Configuration #11 | Configuration #12 | Configuration #13 | Configuration #14 | Configuration #15 | Configuration #16 |
|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Circulation Pump | N                | N                | N                | N                | N                | N                | N                | N                |  | N                | N                 | N                 | N                 | N                 | N                 | N                 | N                 |
| Pump 1           | 1-Speed J9       | 1-Speed J9       | 1-Speed J9       | 1-Speed J9       | 1-Speed J9       | 1-Speed J9       | 1-Speed J9       | 1-Speed J9       |  | 1-Speed J9       | 1-Speed J9        | 1-Speed J9        | 1-Speed J9        | 1-Speed J9        | 1-Speed J9        | 1-Speed J9        | 1-Speed J9        |
| Pump 2           | 2-Speed J8       | 2-Speed J8       | 1-Speed J8       | 1-Speed J8       | 2-Speed J8       | 2-Speed J8       | 1-Speed J8       | 1-Speed J8       |  | 1-Speed J8       | 1-Speed J8        | 1-Speed J8        | 2-Speed J8        | 2-Speed J8        | 2-Speed J8        | 2-Speed J8        | 2-Speed J8        |
| Pump 3           | N                | N                | 1-Speed (J8)     | 1-Speed (J8)     | 2-Speed J1       | 2-Speed J1       | 1-Speed J10      | 1-Speed J1       |  | 1-Speed J1       | 1-Speed J1        | 1-Speed J1        | 1-Speed J10       | 1-Speed J1        | 1-Speed J1        | 1-Speed J1        | 1-Speed J10       |
| Pump 4           | N                | N                | N                | N                | N                | N                | 1-Speed J1       | 1-Speed (J1)     |  | 1-Speed (J1)     | 1-Speed (J1)      | 1-Speed (J1)      | 1-Speed J1        | 1-Speed (J1)      | 1-Speed (J1)      | 1-Speed (J1)      | 1-Speed (J1)      |
| Pump 5           | N                | N                | N                | N                | N                | N                | N                | N                |  | N                | N                 | N                 | N                 | N                 | N                 | N                 | 1-Speed (J1)      |
| Blower           | Y J10            | N                | N                | Y J10            | Y J10            | N                | N                | N                |  | Y J10            | Y (J8)            | N                 | N                 | N                 | Y J10             | N                 | N                 |
| Ozone            | N                | Y J10            | Y J10            | N                | N                | Y J10            | N                | Y J10            |  | N                | Y J10             | Y J10             | N                 | Y J10             | N                 | N                 | N                 |
| Option 1         | N                | N                | N                | N                | N                | N                | N                | N                |  | N                | N                 | Y (J8)            | N                 | N                 | N                 | Y J10             | N                 |
| Notes            |                  |                  | Y Cable          | Y Cable          | DB1              | DB1              | DB1              | Y Cable & DB1    |  | Y Cable & DB1    | Y Cable & DB1     | Y Cable & DB1     | DB1               | Y Cable & DB1     | Y Cable & DB1     | Y Cable & DB1     | Y Cable & DB1     |

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### NEO 1500 Controller with NEO 1100 TopSide Panel

#### PAGE 1 - NON-CIRC

| Features         | Configuration #1 | Configuration #2 | Configuration #3 | Configuration #4 | Configuration #5 | Configuration #6 | Configuration #7 | Configuration #8 |  | Configuration #9 | Configuration #10 | Configuration #11 | Configuration #12 | Configuration #13 | Configuration #14 | Configuration #15 | Configuration #16 |
|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Circulation Pump | N                | N                | N                | N                | N                | N                | N                | N                |  | N                | N                 | N                 | N                 | N                 | N                 | N                 | N                 |
| Pump 1           | 1-Speed J8       | 1-Speed J8       | 1-Speed J8       | 1-Speed J8       | 1-Speed J8       | 2-Speed J8       | 2-Speed J8       | 2-Speed J8       |  | 2-Speed J8       | 2-Speed J8        | 1-Speed J8        | 2-Speed J8        | 2-Speed J8        | 2-Speed J8        | 2-Speed J8        | 2-Speed J8        |
| Pump 2           | N                | N                | N                | 1-Speed J10      | 1-Speed J10      | N                | N                | N                |  | 1-Speed J10      | 1-Speed J10       | 1-Speed J10       | 1-Speed J1        | 1-Speed J1        | 1-Speed J1        | 2-Speed J1        | 2-Speed J1        |
| Pump 3           | N                | N                | N                | N                | N                | N                | N                | N                |  | N                | N                 | N                 | N                 | N                 | N                 | N                 | N                 |
| Pump 4           | N                | N                | N                | N                | N                | N                | N                | N                |  | N                | N                 | N                 | N                 | N                 | N                 | N                 | N                 |
| Pump 5           | N                | N                | N                | N                | N                | N                | N                | N                |  | N                | N                 | N                 | N                 | N                 | N                 | N                 | N                 |
| Blower           | N                | Y J10            | Y J10            | N                | N                | N                | Y J10            | Y J10            |  | N                | N                 | N                 | N                 | Y J10             | Y J10             | N                 | Y J10             |
| Ozone            | Y J9             | Y J9             | N                | Y J9             | N                | Y J9             | Y J9             | N                |  | Y J9             | N                 | Y J9              | Y J9              | Y J9              | N                 | Y J9              | Y J9              |
| Option 1         | Y J10            | N                | Y J9             | N                | Y J9             | Y J10            | N                | Y J9             |  | N                | Y J9              | Y (J8)            | Y J10             | N                 | Y J9              | Y J10             | N                 |
| Notes            |                  |                  |                  |                  |                  |                  |                  |                  |  |                  |                   | Y Cable           | DB1               | DB1               | DB1               | DB1               | DB1               |

### NEO 1500 Controller with NEO 1100 TopSide Panel

#### PAGE 2 - NON-CIRC

| Features         | Configuration #1 | Configuration #2 | Configuration #3 | Configuration #4 | Configuration #5 | Configuration #6 | Configuration #7 | Configuration #8 |  | Configuration #9 | Configuration #10 | Configuration #11 | Configuration #12 | Configuration #13 | Configuration #14 | Configuration #15 | Configuration #16 |
|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Circulation Pump | N                | N                | N                | N                | N                | N                | N                | N                |  | N                | N                 | N                 | N                 | N                 | N                 | N                 | N                 |
| Pump 1           | 2-Speed J8       | 1-Speed J8       | 1-Speed J8       | 1-Speed J8       | 2-Speed J8       | 2-Speed J8       | 2-Speed J8       | 2-Speed J8       |  | 1-Speed J8       | 2-Speed J8        | 1-Speed J8        | 1-Speed J8        | 2-Speed J8        | 2-Speed J8        | 2-Speed J8        | 2-Speed J8        |
| Pump 2           | 2-Speed J1       | 1-Speed J1       | 1-Speed J1       | 1-Speed J1       | 2-Speed J1       | 2-Speed J1       | 2-Speed J1       | 1-Speed J10      |  | 1-Speed J1       | 1-Speed J1        | 1-Speed J10       | N                 | N                 | N                 | 1-Speed J1        | 2-Speed J1        |
| Pump 3           | N                | N                | N                | N                | 1-Speed J10      | 1-Speed J10      | 1-Speed J10      | 1-Speed J1       |  | N                | N                 | 1-Speed J1        | N                 | N                 | N                 | N                 | N                 |
| Pump 4           | N                | N                | N                | N                | N                | N                | N                | N                |  | N                | N                 | N                 | N                 | N                 | N                 | N                 | N                 |
| Pump 5           | N                | N                | N                | N                | N                | N                | N                | N                |  | N                | N                 | N                 | N                 | N                 | N                 | N                 | N                 |
| Blower           | Y J10            | Y J10            | N                | Y J10            | N                | N                | N                | N                |  | Y J10            | Y J10             | N                 | Y J10             | Y J10             | N                 | N                 | N                 |
| Ozone            | N                | Y J9             | Y J9             | N                | Y J9             | N                | N                | Y J9             |  | Y J9             | Y J9              | Y J9              | N                 | N                 | Y J9              | Y J9              | Y J9              |
| Option 1         | Y J9             | N                | Y J10            | Y J9             | N                | Y J9             | N                | Y (J1)           |  | Y (J1)           | Y (J1)            | Y (J1)            | Y J9              | Y J9              | Y J10             | Y J10             | Y J10             |
| Notes            | DB1              | DB1              | DB1              | DB1              | DB1              | DB1              | DB1              | DB1 and Y Cable  |  | DB1 and Y Cable  | DB1 and Y Cable   | DB1 and Y Cable   | No - Opt Asg      | No - Opt Asg      | No - Opt Asg      | DB1 - No Opt Asg  | DB1 - No Opt Asg  |

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### NEO 1500 Controller with NEO 1100 TopSide Panel

#### PAGE 3 - CIRC

| Features         | Configuration #1   | Configuration #2   | Configuration #3   | Configuration #4   | Configuration #5   | Configuration #6   | Configuration #7   | Configuration #8   |  | Configuration #9   | Configuration #10  | Configuration #11  | Configuration #12  | Configuration #13  | Configuration #14  | Configuration #15  | Configuration #16  |
|------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Circulation Pump | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 |  | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 |
| Pump 1           | 2-Speed J8         | 2-Speed J8         | 2-Speed J8         | 2-Speed J8         | 1-Speed J8         | 1-Speed J8         | 1-Speed J8         | 1-Speed J8         |  | 1-Speed J8         | 1-Speed J8         | 1-Speed J8         | 2-Speed J8         | 2-Speed J8         | 2-Speed J8         | 2-Speed J8         | 2-Speed J8         |
| Pump 2           | N                  | N                  | N                  | 1-Speed J10        | 1-Speed J10        | N                  | N                  | N                  |  | N                  | 1-Speed (J8)       | 1-Speed J10        | 2-Speed J1         | 2-Speed J1         | 2-Speed J1         | 2-Speed J1         | N                  |
| Pump 3           | N                  | N                  | N                  | N                  | N                  | N                  | N                  | N                  |  | N                  | N                  | N                  | N                  | N                  | N                  | 1-Speed J10        | N                  |
| Pump 4           | N                  | N                  | N                  | N                  | N                  | N                  | N                  | N                  |  | N                  | N                  | N                  | N                  | N                  | N                  | N                  | N                  |
| Pump 5           | N                  | N                  | N                  | N                  | N                  | N                  | N                  | N                  |  | N                  | N                  | N                  | N                  | N                  | N                  | N                  | N                  |
| Blower           | Y J10              | N                  | N                  | N                  | N                  | Y J10              | N                  | N                  |  | Y (J8)             | N                  | N                  | Y J10              | N                  | N                  | N                  | Y J10              |
| Ozone            | N                  | Y J10              | N                  | N                  | N                  | N                  | Y J10              | N                  |  | Y J10              | Y J10              | N                  | N                  | Y J10              | N                  | N                  | Y J1               |
| Option 1         | N                  | N                  | Y J10              | N                  | N                  | N                  | N                  | Y J10              |  | N                  | N                  | Y (J8)             | N                  | N                  | Y J10              | N                  | N                  |
| Notes            |                    |                    |                    |                    |                    |                    |                    |                    |  | Y Cable            | Y Cable            | Y Cable            | DB1                | DB1                | DB1                | DB1                | DB1                |

### NEO 1500 Controller with NEO 1100 TopSide Panel

#### PAGE 4 - CIRC

| Features         | Configuration #1   | Configuration #2   | Configuration #3   | Configuration #4   | Configuration #5   | Configuration #6   | Configuration #7   | Configuration #8   |  | Configuration #9   | Configuration #10  | Configuration #11  | Configuration #12  | Configuration #13  | Configuration #14  | Configuration #15  | Configuration #16  |
|------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Circulation Pump | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 |  | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 |
| Pump 1           | 2-Speed J8         | 2-Speed J8         | 2-Speed J8         | 2-Speed J8         | 2-Speed J8         | 1-Speed J8         | 2-Speed J8         | 2-Speed J8         |  | 2-Speed J8         | 1-Speed J8         | 1-Speed J8         | 1-Speed J8         | 1-Speed J8         | 2-Speed J8         | 2-Speed J8         | 2-Speed J8         |
| Pump 2           | N                  | N                  | 1-Speed J1         | 1-Speed J1         | 1-Speed J1         | 1-Speed J10        | 1-Speed J1         | 1-Speed J1         |  | 1-Speed J1         | 1-Speed (J8)       | 1-Speed (J8)       | 1-Speed (J8)       | 1-Speed (J8)       | N                  | 1-Speed J1         | 1-Speed J10        |
| Pump 3           | N                  | N                  | N                  | N                  | N                  | 1-Speed J1         | N                  | N                  |  | N                  | N                  | N                  | 1-Speed J1         | 1-Speed J1         | N                  | 1-Speed (J1)       | 1-Speed J1         |
| Pump 4           | N                  | N                  | N                  | N                  | N                  | N                  | N                  | N                  |  | N                  | N                  | N                  | N                  | N                  | N                  | N                  | N                  |
| Pump 5           | N                  | N                  | N                  | N                  | N                  | N                  | N                  | N                  |  | N                  | N                  | N                  | N                  | N                  | N                  | N                  | N                  |
| Blower           | Y J10              | N                  | N                  | Y J10              | N                  | N                  | Y (J1)             | Y J10              |  | N                  | Y J1               | Y J1               | N                  | N                  | Y J1               | N                  | N                  |
| Ozone            | N                  | Y J10              | Y J10              | N                  | N                  | N                  | Y J10              | N                  |  | Y J10              | Y J10              | Y J10              | Y J10              | Y J10              | Y J10              | Y J10              | N                  |
| Option 1         | Y J1               | Y J1               | N                  | N                  | Y J10              | N                  | N                  | Y (J1)             |  | Y (J1)             | N                  | Y (J1)             | N                  | Y (J1)             | Y (J1)             | N                  | N                  |
| Notes            | DB1                | DB1                | DB1                | DB1                | DB1                | DB1                | DB1 and Y Cable    | DB1 and Y Cable    |  | DB1 and Y Cable    | DB1 and Y Cable    | DB1 and Y Cable    | DB1 and Y Cable    | DB1 and Y Cable    | DB1 and Y Cable    | DB1 and Y Cable    | DB1                |

# NEO 1500

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### NEO 1500 Controller with NEO 1000 TopSide Panel

#### PAGE 1 - NON-CIRC

| Features         | Configuration #1 | Configuration #2 | Configuration #3 | Configuration #4 | Configuration #5 | Configuration #6 | Configuration #7 | Configuration #8 |  | Configuration #9 | Configuration #10 | Configuration #11 | Configuration #12 | Configuration #13 | Configuration #14 | Configuration #15 | Configuration #16 |
|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Circulation Pump | N                | N                | N                | N                | N                | N                | N                | N                |  | N                | N                 | N                 | N                 | N                 | N                 | N                 | N                 |
| Pump 1           | 1-Speed J8       | 1-Speed J8       | 2-Speed J8       | 2-Speed J8       | 1-Speed J8       | 1-Speed J8       | 2-Speed J8       | 2-Speed J8       |  | 1-Speed J8       | 1-Speed J8        | 2-Speed J8        | 2-Speed J8        | 1-Speed J8        | 2-Speed J8        | 2-Speed J8        | 2-Speed J8        |
| Pump 2           | N                | N                | N                | N                | 1-Speed J10      | 1-Speed J10      | 1-Speed J10      | 1-Speed J10      |  | N                | N                 | N                 | N                 | 1-Speed J8        | 2-Speed J1        | 2-Speed J1        | 2-Speed J1        |
| Pump 3           | N                | N                | N                | N                | N                | N                | N                | N                |  | N                | N                 | N                 | N                 | N                 | N                 | N                 | N                 |
| Pump 4           | N                | N                | N                | N                | N                | N                | N                | N                |  | N                | N                 | N                 | N                 | N                 | N                 | N                 | N                 |
| Blower           | N                | N                | N                | N                | N                | N                | N                | N                |  | Y J10            | Y J10             | Y J10             | Y J10             | N                 | N                 | N                 | N                 |
| Ozone            | N                | Y J9             | N                | Y J9             | N                | Y J9             | N                | Y J9             |  | N                | Y J9              | N                 | Y J9              | Y J9              | Y J9              | Y J9              | N                 |
| Option 1         | Y J10            | Y J10            | Y J10            | Y J10            | Y J9             | N                | Y J9             | N                |  | Y J9             | N                 | Y J9              | N                 | Y J10             | Y J10             | N                 | Y J10             |
| Notes            |                  |                  |                  |                  |                  |                  |                  |                  |  |                  |                   |                   |                   | Y Cable required  | DB1               | DB1               | DB1               |

### NEO 1500 Controller with NEO 1000 TopSide Panel

#### PAGE 2 - CIRC

| Features         | Configuration #1   | Configuration #2   | Configuration #3   | Configuration #4   | Configuration #5   | Configuration #6   | Configuration #7   | Configuration #8   |  | Configuration #9   | Configuration #10  | Configuration #11  | Configuration #12  | Configuration #13  | Configuration #14  | Configuration #15  | Configuration #16  |
|------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Circulation Pump | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 |  | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 | Y (Ozone relay) J9 |
| Pump 1           | 1-Speed J8         | 1-Speed J8         | 2-Speed J8         | 2-Speed J8         | 1-Speed J8         | 2-Speed J8         | 1-Speed J8         | 2-Speed J8         |  | 1-Speed J8         | 1-Speed J8         | 1-Speed J8         | 2-Speed J8         | 2-Speed J8         | 2-Speed J8         | 2-Speed J8         | 2-Speed J8         |
| Pump 2           | N                  | N                  | N                  | N                  | 1-Speed J10        | 1-Speed J10        | N                  | N                  |  | N                  | 1-Speed J10        | N                  | N                  | N                  | 2-Speed J1         | 1-Speed J1         | N                  |
| Pump 3           | N                  | N                  | N                  | N                  | N                  | N                  | N                  | N                  |  | N                  | N                  | N                  | N                  | N                  | N                  | N                  | N                  |
| Pump 4           | N                  | N                  | N                  | N                  | N                  | N                  | N                  | N                  |  | N                  | N                  | N                  | N                  | N                  | N                  | N                  | N                  |
| Blower           | N                  | N                  | N                  | N                  | N                  | N                  | Y J10              | Y J10              |  | N                  | N                  | Y J10              | N                  | N                  | N                  | N                  | Y J1               |
| Ozone            | N                  | Y J10              | N                  | Y J10              | N                  | N                  | N                  | N                  |  | Y J10              | N                  | N                  | N                  | Y J10              | Y J10              | Y J10              | Y J10              |
| Option 1         | Y J10              | N                  | Y J10              | N                  | N                  | N                  | N                  | N                  |  | Y J8               | Y J8               | Y J8               | Y J10              | N                  | N                  | Y (J1)             | N                  |
| Notes            |                    |                    |                    |                    |                    |                    |                    |                    |  | Y Cable required   | Y Cable required   | Y Cable required   |                    |                    | DB1                | DB1                | DB1                |

### NEO 1200 Controller with NEO 2100 TopSide Panel

#### PAGE 1 - CIRC/NON-CIRC

| Features         | Configuration #1         | Configuration #2  | Configuration #3  | Configuration #4  | Configuration #5  | Configuration #6                        | Configuration #7 | Configuration #8 |  | Configuration #9 | Configuration #10 | Configuration #11 | Configuration #12 | Configuration #13 | Configuration #14 | Configuration #15 | Configuration #16 |
|------------------|--------------------------|---|---|---|---|---|------------------|------------------|--|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Circulation Pump | Y (Ozone relay) J9       | Y (Ozone relay) J9  | Y (Ozone relay) J9  | N   | N   | Y (Ozone relay) J9                      | N                |                  |  |                  |                   |                   |                   |                   |                   |                   |                   |
| Pump 1           | 2-Speed J8               | 1-Speed J8  | 1-Speed J8  | 2-Speed J8  | 2-Speed J8  | 1-Speed J8                              | 2-Speed J8       |                  |  |                  |                   |                   |                   |                   |                   |                   |                   |
| Pump 2           | N                        | N   | N   | N   | N   | N                                       | N                |                  |  |                  |                   |                   |                   |                   |                   |                   |                   |
| Pump 3           | N                        | N   | N   | N   | N   | N                                       | N                |                  |  |                  |                   |                   |                   |                   |                   |                   |                   |
| Pump 4           | N                        | N   | N   | N   | N   | N                                       | N                |                  |  |                  |                   |                   |                   |                   |                   |                   |                   |
| Blower           | N                        | Y (J8)  | N   | N   | Y J9  | N                                       | N                |                  |  |                  |                   |                   |                   |                   |                   |                   |                   |
| Ozone            | N                        | N   | Y (J8)  | Y J9  | N   | N                                       | N                |                  |  |                  |                   |                   |                   |                   |                   |                   |                   |
| Option 1         | N                        | N   | N   | N   | N   | Y (J8)                                  | Y J9             |                  |  |                  |                   |                   |                   |                   |                   |                   |                   |
| Notes            | No Pump High w/Heater on | No Pump or Blower w/Heater on; no Pump and Blower at same time. Note: Use "Y" adaptor for Blower output | No Pump High w/Heater on Note: Use "Y" adaptor for Ozone output | No Pump High w/Heater on Note: Use "Y" adaptor for Ozone output | No Pump High or Blower w/Heater on; no Pump High and Blower at same time. Note: Use "Y" adaptor for Blower output | Note: Use "Y" adaptor for option output |                  |                  |  |                  |                   |                   |                   |                   |                   |                   |                   |

### NEO 1200 Controller with NEO 1100 TopSide Panel

#### PAGE 1 - CIRC/NON-CIRC

| Features         | Configuration #1         | Configuration #2  | Configuration #3  | Configuration #4  | Configuration #5  | Configuration #6                        | Configuration #7 | Configuration #8 |
|------------------|--------------------------|---|---|---|---|---|------------------|------------------|
| Circulation Pump | Y (Ozone relay) J9       | Y (Ozone relay) J9  | Y (Ozone relay) J9  | N   | N   | Y (Ozone relay) J9                      | N                |                  |
| Pump 1           | 2-Speed J8               | 1-Speed J8  | 1-Speed J8  | 2-Speed J8  | 2-Speed J8  | 1-Speed J8                              | 2-Speed J8       |                  |
| Pump 2           | N                        | N   | N   | N   | N   | N                                       | N                |                  |
| Pump 3           | N                        | N   | N   | N   | N   | N                                       | N                |                  |
| Pump 4           | N                        | N   | N   | N   | N   | N                                       | N                |                  |
| Blower           | N                        | Y (J8)  | N   | N   | Y J9  | N                                       | N                |                  |
| Ozone            | N                        | N   | Y (J8)  | Y J9  | N   | N                                       | N                |                  |
| Option 1         | N                        | N   | N   | N   | N   | Y (J8)                                  | Y J9             |                  |
| Notes            | No Pump High w/Heater on | No Pump or Blower w/Heater on; no Pump and Blower at same time. Note: Use "Y" adaptor for Blower output | No Pump High w/Heater on Note: Use "Y" adaptor for Ozone output | No Pump High w/Heater on Note: Use "Y" adaptor for Ozone output | No Pump High or Blower w/Heater on; no Pump High and Blower at same time. Note: Use "Y" adaptor for Blower output | Note: Use "Y" adaptor for option output |                  |                  |

### NEO 1200 Controller with NEO 1000 TopSide Panel

#### PAGE 1 - CIRC/NON-CIRC

| Features         | Configuration #1         | Configuration #2  | Configuration #3  | Configuration #4  | Configuration #5  | Configuration #6                        | Configuration #7 | Configuration #8 |
|------------------|--------------------------|---|---|---|---|---|------------------|------------------|
| Circulation Pump | Y (Ozone relay) J9       | Y (Ozone relay) J9  | Y (Ozone relay) J9  | N   | N   | Y (Ozone relay) J9                      | N                |                  |
| Pump 1           | 2-Speed J8               | 1-Speed J8  | 1-Speed J8  | 2-Speed J8  | 2-Speed J8  | 1-Speed J8                              | 2-Speed J8       |                  |
| Pump 2           | N                        | N   | N   | N   | N   | N                                       | N                |                  |
| Pump 3           | N                        | N   | N   | N   | N   | N                                       | N                |                  |
| Pump 4           | N                        | N   | N   | N   | N   | N                                       | N                |                  |
| Blower           | N                        | Y (J8)  | N   | N   | Y J9  | N                                       | N                |                  |
| Ozone            | N                        | N   | Y (J8)  | Y J9  | N   | N                                       | N                |                  |
| Option 1         | N                        | N   | N   | N   | N   | Y (J8)                                  | Y J9             |                  |
| Notes            | No Pump High w/Heater on | No Pump or Blower w/Heater on; no Pump and Blower at same time. Note: Use "Y" adaptor for Blower output | No Pump High w/Heater on Note: Use "Y" adaptor for Ozone output | No Pump High w/Heater on Note: Use "Y" adaptor for Ozone output | No Pump High or Blower w/Heater on; no Pump High and Blower at same time. Note: Use "Y" adaptor for Blower output | Note: Use "Y" adaptor for option output |                  |                  |