NEO SPA CONTROL SYSTEM CONFIGURATIONS GUIDE

NEO 2100

NEO 1500

NEO 1200

NEO SPA CONTROL SYSTEM CONFIGURATIONS GUIDE

NEO 2100

NEO 1100

NEO 1000

104°F

104°F

104°F

Waterway™

Waterway™

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807-2035.0917

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NEO 2100

SPA CONTROL SYSTEM CONFIGURATIONS GUIDE / 0917

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	N	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 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 J8	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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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		

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			

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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	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							

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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

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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 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

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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		

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NEO 2100 Controller with NEO 1000 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 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																

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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	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 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 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

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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	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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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	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 J10	N	N	Y J10	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	Y J10
Option 1	N	N	Y J10	N	N	N	N	Y J10	N	N	Y J10	N	N	Y J10	N	N
Notes									Y Cable	Y Cable	Y Cable	DB1	DB1	DB1	DB1	DB1

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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	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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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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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

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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	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

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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	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	Y J10	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

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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	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 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

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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	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

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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	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		