

NEO SPA CONTROL SYSTEM CONFIGURATIONS GUIDE

NEO 2100

NEO 1500

NEO 1200



NEO 2100



NEO 1100



NEO 1000

NEO 2100

SPA CONTROL SYSTEM CONFIGURATIONS GUIDE

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		

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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 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	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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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

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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

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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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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

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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

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

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	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	N	1-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	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

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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

SPA CONTROL SYSTEM CONFIGURATIONS GUIDE

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

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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		