A100 SERIES TIME INITIATED STAGER CONTROLLER PART NUMBER MATRIX

FILL IN PROPER DESIGNATIONS TO DETERMINE PRODUCT NUMBER: **A** _ _ – _ _ _ – _ _ _ _

TIMER — MECHANICAL TIMER SERIES

1 = Day Timer (Autotrol 440 Series)

STAGER — ROTARY PILOT STAGER SERIES

00 = Timer Only (No Stager)
48 = 6-Port (Brass)
51 = 8-Port (Brass)
58 = 16-Port (PVC)

PROGRAM — STAGER PROGRAM   **NOTE: See following pages for Program details.**

* 00 to 99 = Standard
 NOTE: A100 Controllers are NOT valid with the following Stager Programs:
 48-03, 48-04, 48-12, 48-TA, 51-12, 58-00, 58-01, 58-02, 58-10, 58-TB
** SS = Special Per Drawing Indicated
*** TA = Twin Alternating Softener with Service Lights (For 58 Stagers Only)
 XX = Timer Only (No Stager)

 * 2-character designation from standard stager drawing.
 ** Special drawing number placed in last 5 digits of product number.
 *** Makes indicated controller/stager twin alternating.

ENCLOSURE — NEMA RATING OF PANEL & ENCLOSURE

1 = NEMA 1 Standard Panel & Enclosure
4 = NEMA 4 Standard Panel & Enclosure
F = NEMA 4X Fiberglass Panel & Enclosure

ELECTRICAL — POWER REQUIRED TO OPERATE DEVICE (Field Configurable)

1 = 115V/60Hz
2 = 230V/50Hz
4 = 230V/60Hz
5 = 24V/50Hz (NOT for 58 Stagers)

1st AUX SWITCH — FIRST EXTRA SWITCH ON ROTARY PILOT STAGER
(Unless Special Drawing Number Is Assigned)

0 = None
* A to R = Cam Position Switch Active (I & O not used)
 S = Service Return (Homing)
 W = Status Lights Cam (For 58-TA Stagers Only)
 Z = Blank Cam (No Notches)

 * Use special drawing number if active in more than 1 position.

2nd AUX SWITCH — SECOND EXTRA SWITCH ON ROTARY PILOT STAGER
(Option "S" Standard on 58-TA Program Only)

0 = NONE
* A to R = Cam Position Switch Active (I & O not used)
 S = Service Return (Homing) (For 58-TA Stagers Only)
 Z = Blank Cam (No Notches)

PRESSURE — PROGRAM OF STAGER

0 = Standard (Vent to Open -or- Not Applicable for "Timer Only")
1 = Inverted (Pressure to Open)

REGEN FREQUENCY — MAXIMUM DAYS BETWEEN REGENERATION

6 = 6 Day (A100 Day Timer Only)
7 = 7 Day (A100 Day Timer Only)

STAGER REVISION — (Unless Special Drawing Number Is Assigned)

0 = Not Applicable (Devices without Stagers)
B = 48 & 51 Series Stagers Included
C = 58 Series Stagers Included

SERIES 48 STANDARD STAGER PROGRAMS

STAGER PROGRAM	# POS.		PORTS VENTED IN POSITION						REF. DWG NO.	FUNCTION
			0	1	2	3	4	5		
			A	B	C	D	E	F		
00	4	POSITION	SVC	—	BW	—	BSR	FR	4800PRGM	4 POS. SOFTENER
		PORTS VENTED	1, 2	—	3, 4	—	5, 6	1, 6		
01	3	POSITION	SVC	—	BW	—	—	FR	4801PRGM	3 POS. FILTER
		PORTS VENTED	1, 2	—	3, 4	—	—	1, 6		
03*	4	POSITION	SVC	—	BW	—	BSR	FR	4803PRGM	4 POS. SOFTENER (BUTTERFLY CAM)
		PORTS VENTED	1, 2	—	3, 4	—	5, 6	1, 6		
04*	2	POSITION	SVC	—	BW	—	—	—	4804PRGM	2 POS. FILTER
		PORTS VENTED	1, 2	—	3, 4	—	—	—		
12*	4	POSITION	SVC	—	BW -or- ASC	BSR -or- BW	—	FR	4812PRGM	4 POS. FILTER W/ AIR SCOUR or 4 POS. UPFLOW SOFTENER
		PORTS VENTED	1, 2	—	3, 4	4, 5	—	1, 6		
83	4	POSITION	BW2	BW3	—	—	SVC	BW1	4883PRGM	3 TANK SEQUENTIAL FILTER
		PORTS VENTED	2	3	—	—	6	1		
84	5	POSITION	BW2	BW3	BW4	—	SVC	BW1	4884PRGM	4 TANK SEQUENTIAL FILTER
		PORTS VENTED	2	3	4	—	6	1		
85	6	POSITION	BW2	BW3	BW4	BW5	SVC	BW1	4885PRGM	5 TANK SEQUENTIAL FILTER
		PORTS VENTED	2	3	4	5	6	1		
TA*	2	POSITION	SVCA	—	SVCB	—	—	—	48TAPRGM	2 TANK ALTERNATOR
		PORTS VENTED	1	—	2	—	—	—		

* STAGER PROGRAM FOR USE WITH E SERIES (AQUAMATIC 962) CONTROLLER ONLY.

ASC = AIR SCOUR

BSR = BRINE / SLOW RINSE

BW = BACKWASH

FR = FAST RINSE

SVC = SERVICE

SVCA = SERVICE UNIT A

SVCB = SERVICE UNIT B

SERIES 51 STANDARD STAGER PROGRAMS

STAGER PROGRAM	# POS.		PORTS VENTED IN POSITION								REF. DWG NO.	FUNCTION
			0	1	2	3	4	5	6	7		
			A	B	C	D	E	F	G	H		
06	6	POSITION	SVC	—	BW	—	BRD	SR	FR	REF	5106PRGM -or- 9606PRGM	6 POSITION SOFTENER (TIMED DRAW & REFILL)
		PORTS VENTED	1, 2	—	4	—	5, 6, 7	6, 7	1, 7	1, 2, 8		
07	5	POSITION	SVC	—	BW	—	BRD	SR	FR	—	5107PRGM -or- 9607PRGM	5 POSITION SOFTENER (TIMED DRAW)
		PORTS VENTED	1, 2	—	4	—	5, 6, 7	6, 7	1, 7	—		
09	5	POSITION	SVC	—	—	BW	BSR	—	FR	REF	5109PRGM -or- 9609PRGM	5 POSITION SOFTENER (TIMED REFILL)
		PORTS VENTED	1, 3	—	—	4	5, 7	—	1, 7	1, 8		
10	5	POSITION	SVC	—	BW	FRA	—	—	BW2	FRB	5110PRGM -or- 9610PRGM	2 TANK SEQUENTIAL FILTER (BACKWASH & FAST RINSE)
		PORTS VENTED	1, 2, 5, 6	—	5, 6, 7	1, 5, 6, 8	—	—	1, 2, 3	1, 2, 4, 5		
11	7	POSITION	SVC	—	DRD	—	ASC	BW	—	FR	5111PRGM -or- 9611PRGM	FILTER WITH AIR SCOUR
		PORTS VENTED	2, 3	—	1, 4	—	4, 6, 7	4, 7, 8	—	1, 2		
12*	6	POSITION	SVC	BW	—	BRD	DISP	RECL	FR	—	5112PRGM -or- 9612PRGM	BRINE RECYCLE SOFTENER
		PORTS VENTED	1, 8	2	—	4, 5	4, 5	5, 6	4, 8	—		
86	7	POSITION	SVC	BW1	BW2	BW3	BW4	BW5	BW6	—	5186PRGM -or- 9686PRGM	6 TANK SEQUENTIAL FILTER
		PORTS VENTED	8	1	2	3	4	5	6	—		
87	8	POSITION	BW1	BW2	BW3	BW4	BW5	BW6	BW7	SVC	5187PRGM -or- 9687PRGM	7 TANK SEQUENTIAL FILTER
		PORTS VENTED	1	2	3	4	5	6	7	8		

* STAGER PROGRAM FOR USE WITH E SERIES (AQUAMATIC 962) CONTROLLER ONLY.

ASC = AIR SCOUR
BSR = BRINE / SLOW RINSE
BW = BACKWASH
FR = FAST RINSE

SVC = SERVICE
SVCA = SERVICE UNIT A
SVCB = SERVICE UNIT B

SERIES 58 STANDARD STAGER PROGRAMS

STAGER PROGRAM	# POS.		0 A	1 B	2 C	3 D	4 E	5 F	6 G	7 H	8 J	9 K	10 L	11 M	12 N	13 P	14 Q	15 R	REF. DWG NO.	FUNCTION
00*	9	POSITION	SVC	—	—	CBW	—	—	INJ	CSR	CFR	ABW	—	—	ADR	ASR	AFR	—	5800 PRGM	2 BED DI UNIT
		PORTS VENTED	1, 15, 16	—	—	2, 3	—	—	5, 6, 7	6, 7	1, 7	1, 10	—	—	1, 11, 12, 13	1, 12, 13	1, 13, 15	—		
01*	5	POSITION	SVC	—	—	—	—	—	—	—	—	—	DRD	ASC	—	BW	—	FR	5801 PRGM	5 POS. FILTER, DBL. ACTING VALVES
		PORTS VENTED	3, 4, 5, 6, 7, 8, 9, 10	—	—	—	—	—	—	—	—	—	7,8,9,10,11,12,13,14	5,8,9,10,11,12,14,15	—	1,5,6,7,10,11,12,16	—	2, 3, 5, 6, 7, 8, 9, 12		
02*	9	POSITION	SVC	—	—	CBW	—	—	CDR	CSR	CFR	ABW	—	—	ADR	ASR	AFR	—	5802 PRGM	2 BED DI UNIT, OUTLET VALVE ON CATION UNIT
		PORTS VENTED	1, 2, 3, 16	—	—	4	—	—	6, 7, 8	7, 8	1, 8	1, 3, 11	—	—	1, 3, 12, 13, 14	1, 3, 13, 14	1, 3, 14, 16	—		
03	7	POSITION	SVC	—	BW1	FR1	—	—	BW2	FR2	—	—	BW3	FR3	—	—	—	—	5803 PRGM	3 TANK SEQ. FILTER, BW & FAST RINSE
		PORTS VENTED	2, 4, 6, 7, 9, 11	—	1, 6, 7, 9, 11	2, 6, 7, 9, 11, 12	—	—	2, 4, 5, 9, 11	2, 4, 6, 9, 11, 16	—	—	2, 3, 4, 6, 7	2, 4, 6, 7, 9, 10	—	—	—	—		
04	9	POSITION	SVC	—	BW1	FR1	—	—	BW2	FR2	—	—	BW3	FR3	—	—	BW4	FR4	5804 PRGM	4 TANK SEQ. FILTER, BW & FAST RINSE
		PORTS VENTED	2,4,6,7,9,11,14,15	—	1, 6, 7, 9, 11, 14, 15	2,6,7,9,11,12,14,15	—	—	2, 4, 5, 9, 11, 14, 15	2,4,6,9,11,14,15,16	—	—	2, 3, 4, 6, 7, 14, 15	2,4,6,7,9,10,14,15	—	—	2, 4, 6, 7, 9, 11, 13	2, 4, 6, 7, 8, 9, 11, 14		
07	10	POSITION	SVC	—	BW	—	INJ	DISP	FR	DRN	—	AM	AMD	—	REF	—	—	FNR	5807 PRGM	MIXED BED DI UNIT, SIMULTANEOUS REGEN
		PORTS VENTED	11, 12	—	1, 13	—	1, 3, 15, 16	1, 3, 16	1, 3, 11	3, 7	—	5, 7	3, 5, 7	—	7, 11	—	—	10, 11		
10*	11	POSITION	SVC	—	BW	SET	—	CDR	CSR	—	ADR	ASR	AFR	—	DRD	AM	—	FNR	5810 PRGM	MIXED BED DI UNIT
		PORTS VENTED	15, 16	—	1	(NONE)	—	4, 5, 9	5, 9	—	7, 8, 9	8, 9	9, 10	—	9, 12	12, 13	—	14, 15		
TA	8	POSITION	SVCA	—	—	BWA	BSRA	—	—	FRA	SBA	—	—	—	—	BWB	BSRB	FRB	58TA PRGM	2 UNIT ALTERNATING SOFTENER
		PORTS VENTED	1, 2, 8, 16	—	—	6, 8, 11	5, 7, 8, 11	—	—	7, 8, 11, 16	8, 11, 16	—	—	—	—	2, 13, 16	1, 2, 15, 16	2, 8, 15, 16		
TB*	10	POSITION	SVCA	—	—	BWA	—	BRD	SR	FRA	SBA	—	—	BWB	—	BRD	SR	FRA	58TB PRGM	2 TANK ALTERNATOR WITH TIMED BRINE
		PORTS VENTED	6, 14, 16	—	—	1, 2, 6, 8	—	4, 5, 6, 8	4, 5, 6, 8	5, 6, 8, 14	6, 8, 14	—	—	9, 10, 14, 16	—	12, 13, 14, 16	12, 13, 14, 16	6, 13, 14, 16		

PORTS VENTED IN POSITION (header spanning positions 0–15)

* STAGER PROGRAM FOR USE WITH E SERIES (AQUAMATIC 962) CONTROLLER ONLY.

ABW = ANION BACKWASH
ADR = ANION DRAW
AM = AIR MIX
AMD = AIR MIX & DRAIN DOWN
ASC = AIR SCOUR
ASR = ANION SLOW RINSE
AFR = ANION FAST RINSE
BW = BACKWASH
BWA = BACKWASH UNIT A
BWB = BACKWAS UNIT B

BRD = BRINE DRAW
BSR = BRINE / SLOW RINSE
BSRA = BRINE / SLOW RINSE UNIT A
BSRB = BRINE / SLOW RINSE UNIT B
CBW = CATION BACKWASH
CDR = CATION DRAW
CFR = CATION FAST RINSE
CSR = CATION SLOW RINSE
DRD = DRAIN DOWN
DISP = DISPLACE

FR = FAST RINSE
FRA = FAST RINSE UNIT A
FRB = FAST RINSE UNIT B
FNR = FINAL RINSE
INJ = INJECT
RECL = RECLAIM
REF = REFILL
SBA = STANDBY UNIT A
SBB = STANDBY UNIT B
SET = SETTLE

SR = SLOW RINSE
SVC = SERVICE
SVCA = SERVICE UNIT A
SVCB = SERVICE UNIT B