If you are needing a catalog with prices, please reach out to your territory sales representative. Click here.

May 2025

Controller Catalog

Advantage Controls
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Revised: 2025-06-02

Contents

Restocking Charge - All items accepted for credit are subject to a restocking fee of 25% of the original sale price. All items returned for credit must be new, unused, undamaged equipment less than 3 months old that is still in production.

Minimum Order - There is a minimum net order amount of $30.00, excluding shipping.

Please Note - Possession of price list does not ensure right to purchase direct.
Due to continuous improvement of products, prices subject to change without notice.

Web Advantage

Get the optional internet communications card and Web Advantage lets you constantly stay connected to your unit over the internet and get emailed reports automatically sent to you at no charge.

Web Advantage is a totally secure server dedicated to keeping track of all of your internet connected MegaTron units. Any MegaTron equipped with an internet connection option will be monitored 24 hours a day by Web Advantage providing you constant, real time information. Web Advantage allows you to change settings, generate history reports automatically and select who to send email alarm notifications to, should Web Advantage detect any system conditions outside your parameters.

WEBADV-RTF

Access to Web Advantage has no annual fee! There is simply a connection fee to establish ownership rights. The initial connection fee is included free with the purchase of a MegaTron with communications, giving the original buyer ownership rights also. If a MegaTron's ownership changes from the original buyer, the transfer fee will be charged to establish new ownership rights.

WEBADV-XSCLOUD

XS controllers not on the web and purchased without a communications card can have their USB downloaded data stored on WebAdvantage for a one-time setup charge.

WEBADV-MTCLOUD
For non-web connected MT controllers, virtual hosting on WebAdvantage and history uploading.

WEBADV-API

Advantage Controls offers a number of different options for customers to access historical data directly from WebAdvantage via API queries from their own managed system.

WEBADV-API-??

MyTechReports

MyTech Reports is a web-based reporting service that works to keep track of all your service reporting needs. The MyTechReports service allows water treaters and their partners to work together and act on data, from saving lab results and controller data to storing documents such as inspection videos, training material, SDS/PDS sheets, and more. The mobile app is available on Android and iOS., enabling employees to quickly access information from one location. A free trial is available, as well as packaged offerings to meet any business' needs. Consult factory for pricing.

MegaTron MT Controllers

A single MT unit can control 1 to 4 systems and have up to 20 control relays. To build a model pick the function(s) needed by the type of probe. Add the code for each function you need for a system. For a multiple system controller list all of the functions of the first system followed by a dash then the functions for the next system. If system two is the same as the first just put (–X2). If the systems 2, 3 and 4 are the same as the first put a (-X4). After all system(s) functions use another dash and list all of the unit options needed. Example: MTCPF3E-CF3E-N4

MegaTron XS Controllers

MegaTron XS units have all the features and functions of the larger MegaTron units in a smaller enclosure with just 5 control relays. To build a model pick the function(s) needed by the type of probe. If building a dual boiler unit put a – after the first system and list the system selections for the second system followed by the whole unit option. Example: XSB2F3-B2-H

Build a MegaTronMT

Model **MT** __ __ __ __ __ __ __ __ __ __ __ __ - __ __ __ __

Conductivity Control (1 per system max)

C	=	TE-4A Standard Tower probe	120 PSI (8.2 bar) @ 125°F (51.6°C)
C0	=	Tower Conductivity no probe	
C1	=	TE-4ASS Standard Tower probe w/ SS tips	120 PSI (8.2 bar) @ 125°F (51.6°C)
C3	=	AH-4ASS 1" MNPT	250 PSI (17.2 bar) @ 140°F (60°C)
C5	=	DC-4ASS tank/dip mount	190°F (87.7°C)
C8	=	AL-4RTD pure water, ½" MNPT, RTD temp.	100 PSI (6.8 bar) @ 212°F (100°C)
C10	=	DI-4A, 1" MNPT	120 PSI (8.2 bar) @ 125°F (51.6°C)
C11	=	CS-4ASS corporation stop probe	75 PSI (5.1 bar) @ 140°F (60°C)
C12	=	AL-4ASS pure water, ½" MNPT, thermistor	100 PSI (6.8 bar) @ 212°F (100°C)
B	=	BE-34BC boiler probe, thermistor, 1" cross	250 PSI (17.2 bar) @ 400°F (204.4°C)
B0	=	Boiler conductivity, no probe; no temp comp.	
B1	=	BE-4RTDC boiler probe, RTD temp, 1" cross	250 PSI (17.2 bar) @ 400°F (204.4°C)
B2	=	BE-32C probe, no temp comp., 1" cross	250 PSI (17.2 bar) @ 400°F (204.4°C)
B7	=	BE-32-SC probe, no temp comp. ¾" cross	250 PSI (17.2 bar) @ 400°F (204.4°C)
B9	=	Boiler conductivity with RTD temp; no probe	
D	=	DI-27-4A high conductivity (1-300 mS/cm)	120 PSI (8.2 bar) @ 125°F (51.6°C)
D1	=	TE-4A high conductivity (0-45,000 uS/cm)	120 PSI (8.2 bar) @ 125°F (51.6°C)

Make-up / Miscellaneous Conductivity (max of 1 per system and must have C or D option)

M	=	DI-4A Standard Make-up	120 PSI (8.2 bar) @ 125°F (51.6°C)
MA	=	Alias make-up input of other make-up reading	
M0	=	Make-up / miscellaneous conductivity no probe	
M1	=	DI-4ASS	120 PSI (17.2 bar) @ 125°F (51.6°C)
M3	=	AH-4ASS 1" MNPT probe	250 PSI (17.2 bar) @ 140°F (60°C)
M4	=	TE-4A PVC ¾" slip tee design	120 PSI (8.2 bar) @ 125°F (51.6°C)
M6	=	CS-4ASS corporation stop probe	75 PSI (5.1 bar) @ 140°F (60°C)
NEW M9	=	Floor drain conductivity alarm sensor	

pH Control (1 per system max) For dual set point use Q instead of P and add $134.00.

P	=	TPE-21 Standard Tower	100 PSI (6.8 bar) @ 140°F (60°C)
P0	=	pH Control no probe	
P2	=	TPE-21 w/ pre amp	100 PSI (6.8 bar) @ 140°F (60°C)
P4	=	Tank mounted probe (PE-21 with DPE)	140°F (60°C)
P5	=	Tank mount w/ pre amp (PE-21, DPE & RTP-4)	140°F (60°C)
P8	=	PE-21SS stainless steel probe ½" MNPT	200 PSI (13.8 bar) @ 180°F (82.2°C)
P9	=	PE-21SS with pre amp	200 PSI (13.8 bar) @ 180°F (82.2°C)
P11	=	PE-11 low ionic probe, ½" MNPT	50 PSI (3.4 bar) @ 180°F (82.2°C)
P12	=	PE-11 w/ pre amp	50 PSI (3.4 bar) @ 180°F (82.2°C)
P15	=	PE-21CS Corp-stop w/ pre amp, 1" FNPT	100 PSI (6.8 bar) @ 165°F (73.8°C)

ORP Control (1 per system max)

R	=	TOE-21 Standard Tower	100 PSI (6.8 bar) @ 140°F (60°C)
R0	=	ORP Control no probe	
R2	=	TOE-21 with preamp	100 PSI (6.8 bar) @ 140°F (60°C)
R4	=	Tank mounted probe (OE-21 with DPE)	140°F (60°C)
R5	=	Tank mounted ORP w/ pre amp (OE-21, DPE & RTP-4)	140°F (60°C)
R8	=	OE-21SS stainless steel probe ½" MNPT	200 PSI (13.8 bar) @ 180°F (82.2°C)
R15	=	OE-21CS Corp-stop w/ pre amp, 1" FNPT	100 PSI (6.8 bar) @ 180°F (82.2°C)

Temperature Control (2 max / system – Each conductivity uses up one)

T	=	TC-1 Standard Tower	120 PSI (8.2 bar) @ 125°F (51.6°C)
T2	=	High pressure probe, 1" MNPT (32-150°F) temp sensing	250 PSI (17.2 bar) @ 140°F (60°C)

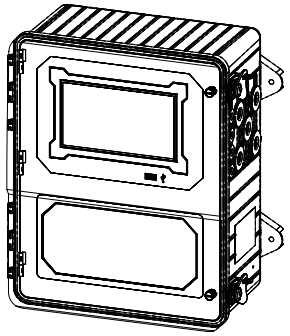
Feed Timers (max of 5 per system: 28-Day, Pulse, %, Recycle, Limit or Post Event)

F1 to F5 (F4 = Four feed timers)

Flow Switches

E	=	Standard float style switch PVC assembly	120 PSI (8.2 bar) @ 125°F (51.6°C)
E3	=	Paddle flow switch PVC assembly	120 PSI (8.2 bar) @ 125°F (51.6°C)
E4	=	Paddle flow switch PVC unassembled, 10' cord	120 PSI (8.2 bar) @ 125°F (51.6°C)
E5	=	Paddle switch brass assem. (order rated probes)	250 PSI (17.2 bar) @ 75°F (23.8°C)
E6	=	Flow switch connection only with cable	
E8	=	Standard float switch PVC unassembled, 10' cord	120 PSI (8.2 bar) @ 125°F (51.6°C)
E9	=	Paddle flow switch with SS tee only	250 PSI (17.2 bar) @ 75°F (23.8°C)
E11	=	Flow indicator (0-10) with switch, PVC assembly	100 PSI (6.8 bar) @ 125°F (51.6°C)

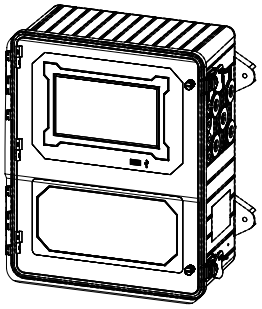
After all System Card features are selected go to the next page for whole unit options.



MegaTron MT touch screen units include:

- Communication card
- Built in Wi-Fi
- All card expansion slots

MegaTronMT Whole Unit Options



A	=	Conduit connections, 120 VAC relay cards
A1	=	Liquid tights only with 120 VAC relay cards
A2	=	Class F power cord, 230 VAC relays with liquid tights only
A3	=	Liquid tights only with CE mark, 240 VAC relay cards
A5	=	Prewired power cord to On/Off; 120 VAC relay boards have no power
A6	=	Korean power cord, no pigtails, 240 VAC relay cards
A7	=	Australian power cord, no pigtails, 240 VAC relay cards
A8	=	Prewired USA power cord with 1/2” conduit relay connections; 120 VAC
A9	=	Prewired USA power cord; no relay board(s)
H15	=	Dual networks with WebAdv via TCP/IP or Wi-fi and Modbus via TCP/IP
H16	=	Dual networks with WebAdv via TCP/IP or Wi-fi and Modbus read/write via TCP/IP
H25	=	Dual networks with WebAdv via TCP/IP or Wi-fi and BACnet via TCP/IP
H26	=	Dual networks with WebAdv via TCP/IP or Wi-fi and BACnet read/write via TCP/IP
K	=	Additional control relays (K, K2, K3 ….) don’t exceed 20 relays total
N4	=	Four 4-20mA Inputs
N8	=	Eight 4-20mA Inputs
N12	=	Twelve 4-20mA inputs (only 4 mA outputs available with N12)
N16	=	Sixteen 4-20mA inputs (no mA outputs available with N16)
O4	=	Four 4-20mA Isolated Outputs
O8	=	Eight 4-20mA Isolated Outputs
V4	=	Additional 24 VDC power supply in lower section
W	=	10 auxiliary flow / water meter inputs
Y	=	ETL Agency Listing
Z	=	Black cover instead of clear

Notes:
1. **Prewired 4-20mA input cables w/ external connector ordered below.**
2. **See pages 28-30 for fluorometer, free chlorine, level, and other sensors.**
3. **See page 36 for cell router and service for connection to Internet.....**

MegaTronMT Parts

MG-RL-05	Replacement relay card with 5 relays, 120 VAC
MG-RL-CPLR	Relay card ribbon cable to wire cable adapter inside controller
MG-PWR	Power supply board (95-240 VAC)
MT-BATTERY	MT battery
MT-DOOR	Clear cover
MT-PANEL-SCREW	MT front panel SS thumb screw
MT-PANEL-MOUNT	MT front panel thumb screw mounting base
MT-PANEL-HINGE	MT front panel hinge base, pin and screw
MG-FUSE-PAK	(5) 2.5 amp fuses
MT-ICM-15	Modbus communications card
MT-ICM-25	Bacnet communications card
MG-CAT5	CAT 5 cable from internal communications card
MT-MAO-4	4-20mA output card with 4 outputs
MT-MAO-8	4-20mA output card with 8 outputs
MT-MAI-4	4-20mA input card with 4 inputs
MT-MAI-8	4-20mA input card with 8 inputs
MT-MAIO-4	4-20 input & output card with 4 inputs and 4 outputs
WIFI-MODULE	Wi-fi module for MT and XS-capable units
MT-PSDC24	24 VDC supply for MT accessories
MT-AUXFLOW-W	10 auxiliary flow meter inputs
AUXFLOW-WIRE	Auxiliary flow meter input cable with 3 pin Molex
MT-SYS-	Replacement system card Add all of the desired system sensors inputs from the model number.
CABLE-7P-2	Prewired 2 conductor cable to mA input and 12VDC power with 7 pin connector, 6’
CABLE-7P-2A	Prewired 2 conductor cable to mA input and no voltage and 7 pin connector, 6’
CABLE-7P-4	Prewired 4 conductor cable to mA input and 12VDC power with 7 pin connector, 6’

MegaTronMT Field Upgrades

MegaTron MT units may be upgraded to add functions and features depending on desired additions and original option configuration. Contact the factory with the model and serial number of the unit and the additions for more details.

Build a MegaTronXS

Model **XS** __ __ __ __ __ __ __ __ __ __ __ __ __ __ - __ __ __ __

Conductivity Control

C = TE-4A Standard Tower probe ..... 120 PSI (8.2 bar) @ 125°F (51.6°C)
C0 = Tower Conductivity no probe
C1 = TE-4ASS Standard Tower probe w/ SS tips ..... 120 PSI (8.2 bar) @ 125°F (51.6°C)
C3 = AH-4ASS 1" MNPT ..... 250 PSI (17.2 bar) @ 140°F (60°C)
C5 = DC-4ASS tank / dip mount ..... 190°F (87.8°C)
C8 = AL-4RTD pure water, ½" MNPT, RTD temp ..... 100 PSI (6.8 bar) @ 212°F (100°C)
C10 = DI-4A, 1" MNPT ..... 120 PSI (8.2 bar) @ 125°F (51.6°C)
C11 = CS-4ASS corporation stop probe ..... 75 PSI (5.1 bar) @ 140°F (60°C)
C12 = AL-4ASS pure water, ½" MNPT, thermistor ..... 100 PSI (6.8 bar) @ 212°F (100°C)
B = BE-34BC boiler probe, thermistor, 1" cross ..... 250 PSI (17.2 bar) @ 400°F (204.4°C)
B0 = Boiler conductivity, no probe; no temp comp.
B1 = BE-4RTDC boiler probe, RTD temp, 1" cross .... 250 PSI (17.2 bar) @ 400°F (204.4°C)
B2 = BE-32C probe, no temp comp, 1" cross ..... 250 PSI (17.2 bar) @ 400°F (204.4°C)
B6 = BE-4RTD-SC boiler probe, RTD temp, ¾" cross 250 PSI (17.2 bar) @ 400°F (204.4°C)
B7 = BE-32-SC probe, no temp comp. ¾" cross ..... 250 PSI (17.2 bar) @ 400°F (204.4°C)
B9 = Boiler conductivity with RTD temp; no probe
D = DI-27-4A high conductivity (1-300 mS/cm) ..... 120 PSI (8.2 bar) @ 125°F (51.6°C)
D1 = TE-4A high conductivity (0-45,000 uS/cm) ..... 120 PSI (8.2 bar) @ 125°F (51.6°C)

Make-up / Miscellaneous Conductivity (max of 1 per system and must have C or D option)

M = DI-4A Standard Make-up ..... 120 PSI (8.2 bar) @ 125°F (51.6°C)
M0 = Make-up / miscellaneous conductivity no probe
M1 = DI-4ASS ..... 120 PSI (8.2 bar) @ 125°F (51.6°C)
M3 = AH-4ASS1" MNPT probe ..... 250 PSI (17.2 bar) @ 140°F (60°C)
M4 = TE-4A PVC ¾" slip tee design ..... 120 PSI (8.2 bar) @ 125°F (51.6°C)
M6 = CS-4ASS corporation stop probe ..... 75 PSI (5.2 bar) @ 140°F (60°C)
NEW M9 = Floor drain conductivity alarm sensor

pH Control (1 per system max) For dual set point use Q instead of P and add $134.00.

P = TPE-21 Standard Tower ..... 100 PSI (6.8 bar) @ 140°F (60°C)
P0 = pH Control no probe
P2 = TPE-21 w/ pre amp ..... 100 PSI (6.8 bar) @ 140°F (60°C)
P4 = Tank mounted probe (PE-21 with DPE) ..... 140°F (60°C)
P5 = Tank mount w/ pre amp (PE-21, DPE & RTP-4) ..... 140°F (60°C)
P8 = PE-21SS stainless steel probe ½" MNPT ..... 200 PSI (13.8 bar) @ 180°F (82.2°C)
P9 = PE-21SS with pre amp ..... 200 PSI (13.8 bar) @ 180°F (82.2°C)
P11 = PE-11 low ionic probe, ½" MNPT ..... 50 PSI (3.5 bar) @ 180°F (82.2°C)
P12 = PE-11 w/ pre amp ..... 50 PSI (3.4 bar) @ 180°F (82.2°C)
P15 = PE-21CS Corp-stop w/ pre amp, 1" FNPT ..... 100 PSI (6.8 bar) @ 165°F (73.7°C)

ORP Control (1 per controller)

R = TOE-21 Standard Tower ..... 100 PSI (6.8 bar) @ 140°F (60°C)
R0 = ORP Control no probe
R2 = TOE-21 with preamp ..... 100 PSI (6.8 bar) @ 140°F (60°C)
R4 = Tank mounted probe (OE-21 with DPE) ..... 140°F (60°C)
R5 = Tank mounted ORP w/ pre amp (OE-21, DPE & RTP-4) ..... 140°F (60°C)
R8 = OE-21SS stainless steel probe ½" MNPT ..... 200 PSI (13.8 bar) @ 180°F (82.2°C)
R15 = OE-21CS Corp-stop w/ pre amp, 1" FNPT ..... 100 PSI (6.8 bar) @ 180°F (82.2°C)

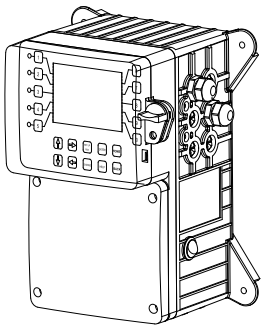
Feed Timers (max of 5 per controller: 28-Day, Pulse, %, Recycle, Limit or Post Event

F1 to F5 (F4 = Four feed timers)

Flow Switches

E = Standard float style switch PVC assembly ..... 120 PSI (8.2 bar) @ 125°F (51.6°C)
E3 = Paddle flow switch PVC assembly ..... 120 PSI (8.2 bar) @ 125°F (51.6°C)
E4 = Paddle flow switch PVC unassembled, 10' cord .... 120 PSI (8.2 bar) @ 125°F (51.6°C)
E5 = Paddle switch brass assem. (order rated probes).. 250 PSI (17.2 bar) @ 75°F (23.8°C)
E6 = Flow switch connection only with cable
E8 = Standard float switch PVC unassem., 10' cord ..... 120 PSI (8.2 bar) @ 125°F (51.6°C)
E9 = Paddle flow switch with SS tee only ..... 250 PSI (17.2 bar) @ 75°F (23.8°C)
E11 = Flow indicator (0-10) with switch, PVC assembly... 100 PSI (6.8 bar) @ 125°F (51.6°C)

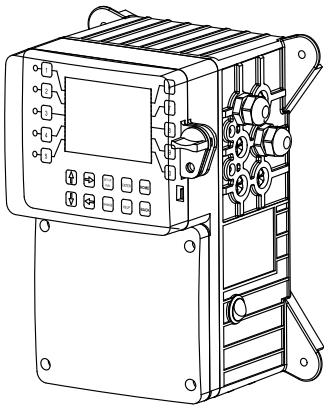
After Single System Card features are selected go to the next page for whole unit options.



The MegaTronXS comes standard with 5 control relays and digital inputs, 2 water meter inputs and can have communications, 4-20mA and many other options.

For dual boiler units select the features for system 1 followed by a dash then system 2's probe option and E6 option if desired. ie: XSB2F3E6-B2E6-H

MegaTronXS Whole Unit Options



A	=	Conduit connections, 120 VAC relay cards
A1	=	Liquid tights only with 120 VAC relay cards
A2	=	Class F power cord, 230 VAC relays with liquid tights only
A3	=	Liquid tights only with CE mark, 240 VAC relay cards
A4	=	Prewired USA power cord all relays dry contact
A5	=	Prewired power cord to On/Off; 120 VAC relay boards have no power
A6	=	Korean power cord, no pigtails, 240 VAC relay cards
A7	=	Australian power cord, no pigtails, 240 VAC relay cards
A8	=	Prewired USA power cord with 1/2" conduit relay connections; 120 VAC
A9	=	Prewired USA power cord; no relay board(s)
A11	=	240 VAC relay board with USA plugs
A22	=	24 VDC power supply instead of 95-240 VAC
H	=	Internet card with CAT5 connection and Wi-Fi
H2	=	Internet card with CAT5 connection, no Wi-Fi
H11	=	Internet card with CAT5 connection and Modbus TCP/IP
H21	=	Internet card with CAT5 connection and BACnet TCP/IP
H22	=	Communications card with CAT5 connection and BACnet read/write via TCP/IP
N4	=	Four 4-20mA Isolated Inputs
N8	=	Eight 4-20mA isolated inputs (O4 option not available)
O4	=	Four 4-20mA Isolated Outputs
V	=	5 VDC output with water meter connections for paddle wheel flow meters
V2	=	12 VDC output with water meter connections for paddle wheel flow meters
W1	=	1 auxiliary flow input for a bleed flow alarm
W4	=	4 auxiliary flow meter inputs
Y	=	ETL Agency Listing
Z	=	Black cover instead of clear

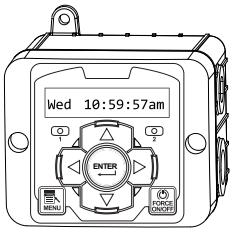
Notes:
1. **Prewired 4-20mA input cables w/ external connector ordered below.**
2. **See pages 28-30 for fluorometer, free chlorine, level, and other sensors.**
3. **See page 36 for cell router and service for connection to Internet.....**

MegaTronXS Parts

MG-RL-05	Replacement relay card with 5 relays, 120 VAC
MG-PWR	Power supply board (95-240 VAC)
XS-PWR-24	Replacement XS power supply for 24 VDC input
XS-KEYPAD-ASM	Keypad and display panel assembly (no display)
XS-DISPLAY-ASM	Display panel assembly complete
DOOR	Clear cover
XS-ICM-00	Internet communications card for "H" option
MG-CAT5	CAT 5 cable from internal communications card
XS-MAO-4	4-20mA output card with 4 outputs
XS-MAI-4	4-20mA input card with 4 inputs
XS-MAI-8	4-20mA input card with 8 inputs
XS-MAIO-4	4-20mA card with 4 inputs and 4 outputs
WIFI-MODULE	Wi-Fi module only for MT and XS-capable units
XS-AUXFLOW-W4	4 auxiliary flow meter inputs
XS-USB-ASM	USB board and cable for front panel
AUXFLOW-WIRE	Auxiliary flow meter input cable with 3 pin Molex
XS-BATTERY	XS battery
XS-SYS-	Replacement system card Add all of the desired system sensors inputs from the model number.
CABLE-7P-2	Prewired 2 conductor cable to mA input and 12 VDC power with 7 pin connector, 6'
CABLE-7P-2A	Prewired 2 conductor cable to mA input and no voltage and 7 pin connector, 6'
CABLE-7P-4	Prewired 4 conductor cable to mA input and 12 VDC power with 7 pin connector, 6'

Note: The prewired input cables simplify connecting to external 4-20mA signal sources that need 12 VDC power on the loop (i.e. fluorometers, level sensors and other specialty probes).

NanoTron Controller



The NanoTron compact units are designed to automate various applications. Simple step through menu provides user-defined configuration.

Note: All NanoTron units have 2 control relays max, except for corrosion units have 1 powered relay and 1 dry contact relay. NANO-M, N, P & R include a mA output but it is optional on the NANO-B/C as O1 below.

Model **NANO-**__ __ - __ __ __

Conductivity Control & 1 Feed Timer

C	=	TE-4A Standard Tower probe	120 PSI (8.2 bar) @ 125°F (51.6°C)
C0	=	Tower Conductivity no probe	
C1	=	TE-4ASS Standard Tower probe w/ SS tips	120 PSI (8.2 bar) @ 125°F (51.6°C)
C3	=	AH-4ASS 1" MNPT	250 PSI (17.2 bar) @ 140°F (60°C)
C5	=	DC-4ASS tank mount	190°F (87.7°C)
B0	=	Boiler conductivity no probe	
B2	=	BE-32C probe, no temp comp, 1" cross	250 PSI (17.2 bar) @ 400°F (204.4°C)

Model **NANO-N** - __ __ __

mA Input & 1 Feed Timer

N = One mA input & output with 24 VDC

Model **NANO-**__ __ - __ __ __

pH or ORP Control & 1 Feed Timer

P	=	TPE-21 Standard Tower	100 PSI (6.8 bar) @ 140°F (60°C)
P0	=	pH Control no probe	
P4	=	Tank mounted probe (PE-21 with DPE)	140°F (60°C)
P8	=	PE-21SS stainless steel probe ½" MNPT	200 PSI (13.8 bar) @ 180°F (82.2°C)
P11	=	PE-11 low ionic probe, ½" MNPT	50 PSI (3.4 bar) @ 180°F (82.2°C)
R	=	TOE-21 Standard Tower	100 PSI (6.8 bar) @ 140°F (60°C)
R0	=	ORP Control no probe	
R4	=	Tank mounted probe (OE-21 with DPE)	140°F (60°C)
R8	=	OE-21SS stainless steel probe ½" MNPT	200 PSI (13.8 bar) @ 180°F (82.2°C)

Model **NANO-F2** - __ __ __

Two Selectable Feed Timers (28-Day, Pulse, Recycle or Post Timer)

F2

Model **NANO-**__ __ - __ __ __

Corrosion Monitor with 4-20mA Output of Corrosion & Pitting

M2	=	Corrosion monitor, no sensor body	
M21	=	Corr. monitor w/ PVC quick release probe body, ¾" tee	140 PSI (9.7 bar) @ 75°F (23.8°C)
M22	=	Corr. monitor w/ 1" SS threaded probe body	200 PSI (13.8 bar) @ 200°F (93.3°C)

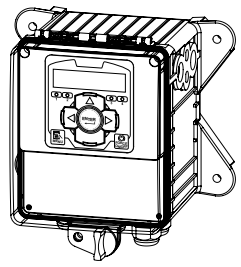
Note: Corrosion sensor tips available at the bottom of page 13.

Options

A	=	Conduit connections, 120 VAC relays	
A2	=	Class F power cord, 230 VAC relays with liquid tights only	
A3	=	Liquid tights only with CE mark, 240 VAC relays	
A5	=	USA power cord, no pigtails, 120 VAC relays	
A6	=	Korean power cord, no pigtails, 240 VAC relay card	
A7	=	Australian power cord, no pigtails, 240 VAC relays	
E	=	Standard float style switch PVC assembly	120 PSI (8.2 bar) @ 125°F (51.6°C)
E3	=	Paddle flow switch PVC assembly	120 PSI (8.2 bar) @ 125°F (51.6°C)
E4	=	Paddle flow switch PVC unassembled, 10' cord	120 PSI (8.2 bar) @ 125°F (51.6°C)
E5	=	Paddle switch brass assembly (order rated probes)	250 PSI (17.2 bar) @ 75°F (23.8°C)
E6	=	Flow switch connection only with cable	
E8	=	Standard float switch PVC unassembled, 10' cord	120 PSI (8.2 bar) @ 125°F (51.6°C)
E11	=	Flow indicator (0-10) with switch, PVC assembly	100 PSI (6.8 bar) @ 125°F (51.7°C)
K	=	Prewired cable for mA output with external connector (CABLE-7P-2A)	
L2	=	NANO-N only prewired cable for mA input (2 wire transmitters)	
L4	=	NANO-N only prewired cable for mA input (4 wire transmitters)	
O1	=	One mA output of conductivity on NANO-C/B	
W	=	Larger enclosure with clear lockable cover	
W1	=	Larger enclosure with black lockable cover	
W4	=	Larger enclosure with clear lockable cover & 20-amp relay for relay 2	
Y	=	ETL Agency Listing	

NANOXL Controller NEW

NANO-XL controllers are designed to control conductivity and activate chemical feed timers in water treatment systems. Each of the 4 relay outputs can be independently activated by the sensor input, pulse timer, 28-day timer, recycle timer, alarm or utility. Choose a base model and add options below.



Model **NANOXL-__ __ - __ __ __**

Conductivity Control & 3 Feed Timers

C	=	TE-4A Standard Tower probe..... 120 PSI (8.2 bar) @ 125°F (51.6°C)
C0	=	Conductivity no probe
C1	=	TE-4ASS Standard Tower probe w/ SS tips..... 120 PSI (8.2 bar) @ 125°F (51.6°C)
C3	=	AH-4ASS 1” MNPT ..... 250 PSI (17.2 bar) @ 140°F (60°C)
C5	=	DC-4ASS tank mount..... 190°F (87.8°C)
B0	=	Boiler conductivity no probe
B2	=	BE-32C probe, no temp comp, 1" cross ..... 250 PSI (17.2 bar) @ 400°F (204.4°C)

Model **NANOXL-F4 - __ __ __**

Four Selectable Feed Timers (28-day, pulse, recycle, or post timer)

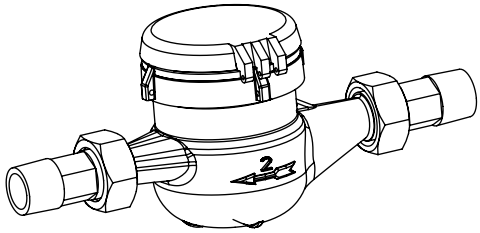
F4

Options

A	=	100-240 VAC conduit connections
A2	=	Class F power cord, 230 VAC relays with liquid tights only
A3	=	Liquid tights only, 100-240 VAC
A6	=	Korean power cord, no pigtails, 240 VAC relay card
A7	=	Australian power cord (240 VAC)
E	=	Standard float style switch PVC assembly..... 120 PSI (8.2 bar) @ 125°F (51.6°C)
E3	=	Paddle flow switch PVC assembly..... 120 PSI (8.2 bar) @ 125°F (51.6°C)
E4	=	Paddle flow switch PVC unassembled, 10’ cord..... 120 PSI (8.2 bar) @ 125°F (51.6°C)
E5	=	Paddle switch brass assembly (order rated probes)..... 250 PSI (17.2 bar) @ 75°F (23.8°C)
E6	=	Flow switch connection only with cable
E8	=	Standard float switch PVC unassembled, 10’ cord ..... 120 PSI (8.2 bar) @ 125°F (51.6°C)
E11	=	Flow indicator (0-10) with switch, PVC assembly ..... 100 PSI (6.8 bar) @ 125°F (51.6°C)
O1	=	One mA output
O2	=	Two mA outputs
V	=	Isolated 24 VDC power supply for powering mA inputs and outputs
W	=	20-amp relay powered by relay 1
Y	=	UL/CSA/CE testing approvals
Z	=	Black cover instead of clear

Contacting Head Water Meters

Contacting head water meters provide an electrical dry contact out for proportional control based on water flow when used with a pulse activated timer or pump.



Bronze Cold Water Meters 35-122°F Max

Part Number	Pipe Size	Gallons per Contact	PSI Max	Flow Range GPM	Shipping Wt. (lbs)
AWM-075	¾”	10	150	0.5-20	4
AWM-100	1”	10	150	1-50	7
AWM-150	1½”	10	150	1.5-100	15
AWM-200	2”	10	150	2-130	17
AWR-2T	2”	100	230	2-400	30
AWR-3T-G100	3”	100	230	3-550	38
AWR-4T-G100	4”	100	230	5-1,250	45

AWM Options	Description
-1	Provides 1 GPC instead of 10 GPC
-A	Removes reed switch (still contacting head)
-M	Metric (liter) units of measure

Carlon Plastic/Nylon Cold Water Meters NSF/ANSI 372 certified for lead free compliance 35-122°F Max NEW

Part Number	Pipe Size	Gallons per Contact	PSI Max	Length	Flow Range GPM	Shipping Wt. (lbs)
062JLPRS-10GPC	½”	10	100	6.5"	0.25-13	1.2
750JLPRS-10GPC	¾”	10	100	7.5"	0.25-22	1.4
1000JLPRS-10GPC	1”	10	100	10.75"	0.75-50	1.8
150JLPRS-10GPC	1½”	10	100	9.63"	2-100	4

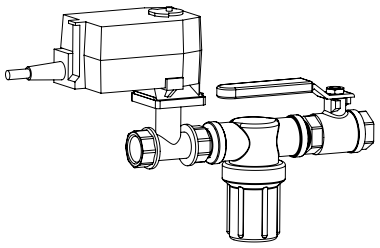
Carlon 304 SS Cold Water Meters NSF/ANSI 372 certified for lead free compliance 35-122°F Max NEW

Part Number	Pipe Size	Gallons per Contact	PSI Max	Length	Flow Range GPM	Shipping Wt. (lbs)
625SSMRS-10GPC	½”	10	150	7.5"	0.25-20	3.3
750SSMRS-10GPC	¾”	10	150	7.5"	0.5-30	3.4
1000SSMRS-10GPC	1”	10	150	10.25"	0.75-50	5.7
150SSMRS-10GPC	1½”	10	150	11.88"	2-100	10.6
200SSMRS-10GPC	2"	10	150	11.88"	2-160	13

Water Meter Accessories

AW-RS	Single reed switch for AWM water meters
A32RS	Single reed switch for Carlon meters
A34RS-4	Dual reed switch for Carlon meters
AWM-SS-3A	Isolated Signal Splitter, 3 outputs with plug in power supply
AWM-SS-4A	Signal Splitter, 3 isolated and 1 dry contact (N.O. and N.C.) with power supply
RCT-NANO	Powered remote totalizer (1 or 2 water meters); 120 VAC
AW-2-GASKET	Coupling gaskets for ¾” meter
AW-3-GASKET	Coupling gaskets for 1” meter
AW-4-GASKET	Coupling gaskets for 1½” meter

Bleed-Off Piping Assemblies....Make Maintenance Easy!



Add a strainer and isolation valve to your bleed valve!
A adds poly strainer & brass isolation valve
A1 adds metal y-strainer & brass isolation valve
A4 adds poly y-strainer with flush & brass iso valve

Tower/Bleed Valves

ABC Ball Valves

(Motor open, capacitor return) 140°F max, 95-250 VAC

Part	Size	CV	PSI Max
ABC-¼	¼”	3.9	225
ABC-½	½”	8.5	225
ABC-¾	¾”	15.2	225
ABC-1	1”	15.2	225

J Conduit junction box attached
J1 Conduit junction box & USA power cord
J2 Conduit junction box with 1/2 FNPT port
S Cover (must have J option)

Brass Motorized Ball Valves

Full Port

(Power open, spring return) 250°F max, 120 VAC

Part	Size	CV	PSI Max
ABS-½	½”	11	130
ABS-¾	¾”	25	130
ABS-1	1”	50	100
ABS-1½	1-½”	170	70
ABS-2	2”	250	70

Belimo power open, spring return ball valve Full Port

(Power open, spring return) 212°F max, 120 VAC

Part	Size	CV	PSI Max
ABV-½	½”	10	200
ABV-¾	¾”	14	200
ABV-1	1”	30	200
ABV-1½	1½”	37	200
ABV-2	2”	240	200

W Weather shield for ABS & ABV valves, poly

Brass Motorized Paddle Valves

Max. Temp 250°F, 120 VAC

Part	Size	PSI Max
AEC-½	½”	50
AEC-¾	¾”	25
AEC-1	1”	15

ASCO - Brass Solenoid Valves

Max. Temp 125°F, 120 VAC

Part	Size	PSI Max
ASCO-½	½”	150
ASCO-¾	¾”	150
ASCO-1	1”	125

Brass Solenoid Valves

Zero PSI Differential

Max. Temp 140°F, 120 VAC

Part	Size	PSI Max	CV
SO-½	½”	140	4.2
SO-¾	¾”	140	10.5
SO-1	1”	140	12.9
SVT-150	1-½”	100	35 NEW
SGO -½	½”	200	2.8
SGO-¾	¾”	200	2.8
SGO-1	1”	200	8.3

GE-SO Solenoid Valves

(Basic solenoid operated) 140°F max, 120 VAC

Part	Size	PSI Max
GE-SO-½	½”	140
GE-SO-¾	¾”	140
GE-SO-1	1”	140

Valve Options (add to the end of part number)

P Prewired with an 8’ cord (not for ABC’s)
C Conduit connections (not for ABC’s)
F3 3 GPM PVC flow control
F5 5 GPM PVC flow control
U ¾” PVC union isolation valve before valve*
U2 ¾” PVC union on both sides of valve
24V for 24 VAC or -230V for 230 VAC
*Must include prewire option

Valve Parts

SGO-½-Kit
SGO-¾-Kit
H-CONN Connector for SO Valves
H-CONN-G Connector for SG Valves
ABS-SHIELD-ASM
ABV050-SHIELD-ASM weather shield only for ABV-1/2
ABV075-SHIELD-ASM weather shield only for ABV-3/4
ABV100-SHIELD-ASM weather shield only for ABV-1
ABV150-SHIELD-ASM weather shield only for ABV-11/2
ABV200-SHIELD-ASM weather shield only for ABV-2

SEE ADDITIONAL PLUMBING PARTS ON PAGES 13, 32 AND 33.

SEE PAGE 27 FOR BOILER/BLOWDOWN VALVES.

Corrosion Coupon Racks

Advantage coupon racks are mounted on a polyethylene panel with inlet and outlet ball valves for easy installation. Standard ¾" & 1" PVC models use our unique quick disconnect coupon holders.

Note: Options selected may reduce pressure ratings.

¾"PVC Sch 80 120PSI (8.27bar) @ 125°F (51°C)

MODEL
ACR-10
ACR-20
ACR-30
ACR-40
ACR-50
ACR-60

1"PVC Sch 80 120PSI (8.27bar) @ 125°F (51°C)

ACR-11
ACR-21
ACR-31
ACR-41
ACR-51
ACR-61

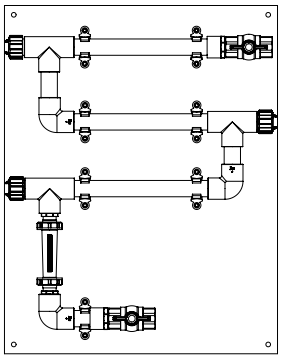
See page 14 for building stainless steel coupon rack model numbers using Corrosion Loop Guard modeling numbers!

¾" Black Iron 185PSI (12.7bar) @ 300°F (148°C)

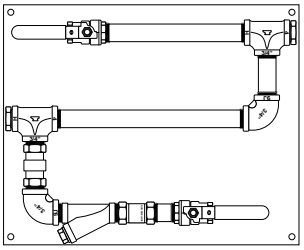
ACR-15
ACR-25
ACR-35
ACR-45
ACR-55
ACR-65

1 " Black Iron 185PSI (12.7bar) @ 300°F (148°C)

ACR-18
ACR-28
ACR-38
ACR-48
ACR-58
ACR-68



ACR-21B-7



ACR-25H

Options

A	Flow control orifice, 3 GPM
B-2	Flow indicator 8.5" long 1-10 GPM, 230 psi @ 300°F
B-7	Flow indicator 7.5" long, 1-10 GPM 100 PSI @ 125°F max
C	Flow control orifice, 5 GPM
E	Sample tee with valve
F	Back flow check valve
G	Basket strainer (120 PSI @ 80°F max)
H	Steel Y-strainer
H1	Poly Y-strainer with flush valve (YP-3/4-SP)
J	Provide clear PVC piping over coupon - price is per coupon
K	Omit ¾" ball Valves
K-1	Omit 1" ball Valves
K2	PVC true union isolation valves (¾")
K3	PVC true union isolation valves (1")
K4	Brass isolation valves on PVC racks
K5	¾" SS isolation valves on PVC racks
L	¾" FNPT for use with corrosion probes. Includes pipe plug for ¾" & 1" PVC racks only
L1	¾" PVC quick release corrosion tee - for ¾" & 1" PVC racks only
L2	1" FNPT tee for high temp corrosion sensor
M	Mounting rails (add to poly panel)
M1	Mounting rails (instead of poly panel)
N	½" blue poly
R22	(2) ¾" SS injection tees
R3	3 PVC quick release probe tees ¾" - for ¾" PVC racks only
S	¾" removable section of black iron pipe, 6" long
S1	1" removable section of black iron pipe, 6" long
S2	¾" removable section of SS pipe, 6" long
T	Extends metal racks mounting brackets by ¾"
U	No poly panel partially assembled with mounting brackets

Coupon Rack Parts

ACR-CH	Complete ¾” PVC holder and quick release tee
ACR-CH-1	1” male slip PVC quick release holder (no tee)
ACR-CH-1-T	Complete 1” slip PVC quick release holder and tee
ACR-CH-1/2	½” PVC Coupon Holder
ACR-CHB	Black Iron Coupon Holder ¾”
ACR-CH-QH	Complete ¾” PVC Holder; no tee
ACR-NHW	Nylon Hardware
ACR-CHSS	Coupon Holder ¾” MNPT, 304 Stainless Steel
BV-1/4	Brass ball valve ¼"
BV-3/4	PVC Ball Valve for ACR
BV-3/4-SS	304 SS Ball Valve
BV-1-PVC	1” PVC Ball Valve for ACR
CKV-3/4PP	Backcheck, ¾” FNPT, poly
CKV-3/4SS	Backcheck, ¾” FNPT, stainless steel
CKV-1PP	Backcheck, 1" FNPT, poly
CLAMP-3/4	¾” pipe clamp (includes both sides)
E-30-PH	O-Ring Seal for Holder
FLOW-75-10A	Flow Indicator, ¾” MNPT, 7.5” long, 100 PSI and 125°F
FLOW-2HT	Flow Indicator, ¾” MNPT, 230 PSI and 300°F max
FLOW-75-10AFS	Flow Indicator, ¾” MNPT, 7.5” long, 100 PSI and 125°F max with flow switch
FLOW-75-SWITCH	Switch for FLOW-75-10AFS
F-4411V	O-ring for all flow indicators except FLOW-2HT
2HT-ORINGS	Set of 2 O-rings for FLOW-2HT
OR3-BE	Flow Restrictor - 3 GPM, Brass
OR3-BE-P	Flow Restrictor - 3 GPM, PVC
OR5-BE	Flow Restrictor - 5 GPM, Brass
OR5-BE-P	Flow Restrictor - 5 GPM, PVC
OR8-BE	Flow Restrictor - 8 GPM, Brass
OR8-BE-P	Flow Restrictor - 8 GPM, PVC
OR10-BE	Flow Restrictor - 10 GPM, Brass
T-C	Coupon Holder T only
T-ADAPT	Quick disconnect coupon opening to 1” slip adaptor
SPOOL-075-M	Removable mild steel pipe, ¾”-12” plus unions
SPOOL-075-P	Removable PVC pipe, ¾”x12” plus unions
SPOOL-100-P	Removable PVC pipe, 1"x12” plus unions

Corrosion Rack & Monitor Parts

Coupons

AMS	Mild Steel
ACO	Copper
AS4	304 Stainless Steel
AS5	316 Stainless Steel
ANK	Nickel
ABR	Brass
ABA	Aluminum
AGS	Galvanized Steel

Scale Coupon

ASC-5	316 Stainless Steel

Note: Additional coupon materials and styles available. Consult factory for details.

Corrosion Tips

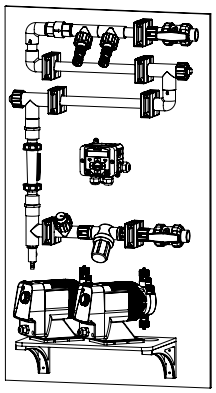
CE-MS	Pair of Mild Steel
CE-GS	Pair of Galvanized Mild Steel
CE-CO	Pair of Copper
CE-BR	Pair of Brass (Admiralty)
CE-CN	Pair of Cupro-Nickel
CE-AL	Pair of Aluminum (7075)
CE-LD	Pair of Lead
CE-SS-304L	Pair of 304SS
CE-SS-316L	Pair of 316SS

COR-TEST-MS5
Corrosion test plug (5 mil/yr)

Corrosion Sensor Body

CE-BODY-1	PVC ¾” quick release tee
CE-BODY-2	1” MNPT SS and CPVC
CE-BODY-3	¾” MNPT CPVC

Corrosion Loop Guard



CLG units provide a professional approach to corrosion monitoring and control. Combined with separately-ordered, real-time NANO-M corrosion monitors and/or other feed equipment for automated feed of closed loop treatment. All models included isolation and sample valves mounted on white poly.

Select loop material based on required temperature and pressure rating.
PVC has a max rating of 120 PSI (8.2 bar) @ 125° F (51.67°C)
Iron and SS have a max of 185 PSI (12.7 bar) @ 300°F (148.9°C)
Options selected will lower max ratings.

Model **CLG** - __ __ __ __ __ __ __ __ __ - __

Loop Material and # of Coupons

	¾" PVC	1" PVC	¾" Iron	1" Iron	¾" SS
2 holders.....	**A2**	**A12**	**A22**	**A32**	**A42**
3 holders.....	**A3**	**A13**	**A23**	**A33**	**A43**
4 holders.....	**A4**	**A14**	**A24**	**A34**	**A44**
5 holders.....	**A5**	**A15**	**A25**	**A35**	**A45**

Corrosion Sensor Ports

B = (2) quick release ¾" PVC
B1 = (2) quick release 1" PVC
B2 = (2) 1" FNPT ports in 1" tee
B4 = (2) 1" FNPT ports in 1" iron
B5 = (2) 1" FNPT port in 1" SS tee

Controller Space & Mounting Hardware (order controller and/or pumps separately)

C0 = No controller space
C1 = Room for 1 NanoTron
C2 = Room for 2 NanoTrons
C3 = Room for 3 NanoTrons
C4 = Room for 1 MegaTron XS

Sensor Tees

D = (1) ¾" PVC quick release
D2 = (2) ¾" PVC quick releases
D3 = (1) 1" Iron tee
D4 = (2) 1" Iron tees
D5 = (1) 1" SS tee
D6 = (2) 1" SS tees
D7 = (2) ¾" PVC quick release, (1) flow tee

Strainer Options

E = ¾" basket
E1 = ¾" flushable y
E2 = 1" basket
E3 = ¾" Black iron
E4 = 10" poly filter cold (¾")
E5 = 10" poly filter hot (¾")
E6 = ¾" SS strainer (120 PSI @ 160°F)
E7 = 1" clear basket

Flow Indicator 1-10 GPM

F = ¾" 100 PSI @ 125°F
F3 = ¾" w/ flow switch
F2 = ¾" 230 PSI @ 300°F

Flow Restrictor 1-10 GPM

G = ¾" PVC, 3 GPM
G1 = ¾" PVC, 5 GPM
G5 = ¾" brass, 8 GPM
G3 = ¾" Brass, 3 GPM
G4 = ¾" Brass, 5 GPM
G6 = ¾" SS, 5 GPM

Loop Direction: Standard is in and out on the right.

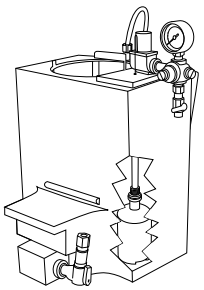
K = In/Out left
K1 = Left to Right
K4 = Right to Left

Injection	3/4" PVC	1" PVC	3/4" Black Iron	1" Iron	3/4" SS
	N1 = 1 tee	**N11**	**N21**	**N31**	**N41**
	N2 = 2 tees	**N12**	**N22**	**N32**	**N42**

Options

L = Clear pipe over holders on PVC
120 PSI (8.2 bar) @ 80° (26.6°C)
P = 2 pump shelf
P1 = 2 pump shelf w/ SS brackets
Q = Poly backcheck
Q1 = ¾" SS backcheck
R = Mounting rails
S = Electrical junction box
U = ½" blue poly panel
W = Free standing legs

Solid Feed Systems



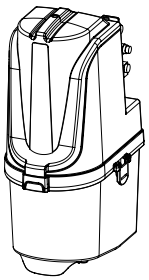
SFS solid feed systems include a dissolving bowl with a 0.6 GPM at 10 PSI spray nozzle; shut-off valves on inlet water and pump suction connection, pressure regulator, solenoid, Y-strainer and level switches (most models).

SFS-G01	Single dissolving bowl in a tank with non-electric make-up valve
SFS-G02	Dual dissolving bowls in a tank with non-electric make-up valve
SFS-G10	Single dissolving bowl in a large tank with non-electric make-up valve
SFS-101	Single dissolving bowl in a tank with 12 VDC controller
SFS-10	Dissolving bowl with 120 VAC solenoid, pressure regulator, no tank or controller
SFS-20	Two dissolving bowls with one 120 VAC solenoid, regulator, no tank or controller
SFS-DF1	Tank and bowl (no plumbing) for liquid concentration

Options

A3	120-240 VAC wall adapter for SFS-101 with international plugs
B1	Backcheck in pump suction line
D	1” FNPT port on the top of the tank for conductivity probe
D2	Adjustable level wand for external monitoring
D3	½” Liquid tight in bowl with SFS-E4A conductivity probe
E	10’ of ¾” I.D. clear tubing for overflow
H2	Adds a high-level cut-off to SFS-101 controller
J	Low pressure spray nozzle (30-45 PSI)
K	Gray dissolving tank
P	Non Advantage Controls metering pump mounting adaptor
V	Viton seats in electric solenoid valve
W	Adjustable wands
Y	Partial PVC piping instead of brass on G01 & G02

APTech Ultra-M



SFS-ULTRA-M	Single dissolving system with non-electric float

Mounting Panels for SFS Feeders

SFS-PANEL-U1	½" blue poly panel for 1 SFS-ULTRA-M with a single pump shelf (15.75"W x 28"T)
SFS-PANEL-2	½” blue poly panel for 2 SFS-G01, or 101 (34” x 24”)
SFS-PANEL-3	½” blue poly panel for 3 SFS-G01, or 101 (46” x 24”)
SFS-PANEL-31	½” blue poly panel for 1 SFS-G02 and 2 SFS-G01 or 101
SFS-PANEL-32	½” blue poly panel for 3 SFS-G02 (60” x 24”)
SFS-PANEL-41	½” blue poly panel for 3 SFS-G01 & G02 (72” x 24”)

Options

A	¾” PVC freshwater header with shut-off
D	¾” PVC overflow to drain header
W	Free standing leg kit

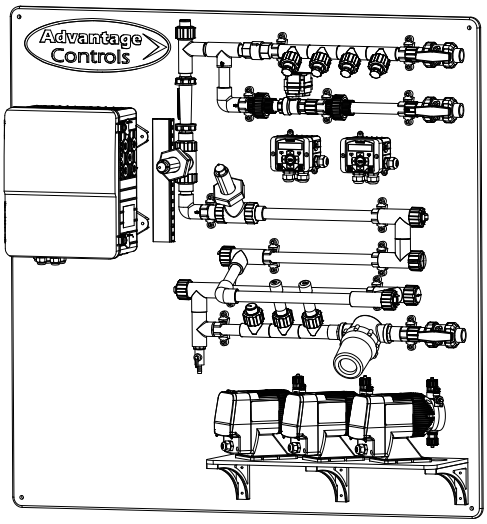
Solid Feed Systems - *continued*

Parts

R00223	SS wall mounting bracket for SFS-G01, 101, 105 and DF1
R00339	SS wall mounting bracket for SFS-G02 and G10
SFS-BV	Brass Inlet Valve
SFS-C01	12 VAC controller for 101 and 201 models
SFS-CV-¼	¼” brass check valve
SFS-DB-1	Dissolving Bowl (Advantage PVC bowl assembly)
SFS-DB-1D3	Dissolving bowl with ½” liquid tight for SFS-E4A probe
SFS-DB-ARM-1	Spray arm for dissolving bowl (Advantage PVC spray arm assembly)
SFS-DB-DF1	Dissolving bowl with piercing stem for concentrates
SFS-E4A	Special conductivity probe for SFS-G01(02) models
SFS-FLOAT	Non-electric float bottle
SFS-FV-G01	Non-electric fill valve for G01, no float
SFS-FV-G02	Non-electric fill valve for G02, no float
SFS-LF	Individual float switch for electric float switches
SFS-LF-1	1 Level Float Assembly
SFS-LF-2	2 Level Float Assembly
SFS-LF-2-FH01	Level wands for SFS-FH01
SFS-LF-3	3 Level Float Assembly
SFS-LF-G01	Level float and inlet valve assembly for SFS-G01 (no gauge, regulator, or strainer)
SFS-LF-G02	Level float and inlet valve assembly for SFS-G02 (no gauge, regulator, or strainer)
SFS-NHW	Set of 4 nylon bolts & washers for valve panel on G01 & G02
SFS-PA-101M	Plumbing assembly for 101M (solenoid, inlet valve, pressure regulator & gauge)
SFS-PA-105M	Plumbing assembly for 105M (solenoid, inlet valve, pressure regulator & gauge)
SFS-PA-G01	Plumbing assembly for G01 (inlet, y-strainer, pressure regulator & gauge)
SFS-PA-G01-Y	Plumbing assembly with Y options
SFS-PA-G02	Plumbing assembly for G02 (inlet, y-strainer, pressure regulator & gauge)
SFS-PG	Pressure Gauge
SFS-PG-Y	ABS body pressure gauge
SFS-PR	Pressure Regulator
SFS-SB-12V	Brass solenoid valve with y-strainer 12 VDC
SFS-SB-120V	Brass solenoid valve with y-strainer 120 VAC
SFS-SB-KIT	Repair kit for 12 VDC or 120 VAC solenoid valves
SFS-SUCTION	Outlet pump suction assembly
SFS-SUCTION-25	Outlet pump suction assembly with ¼” tubing connection
SFS-SUCTION-SS	⅜” tubing connection with SS ball valve
SFS-TANK-101	Replacement tank for the SFS-101
SFS-TANK-205	Tank only for 205
SFS-TANK-G01	Replacement tank for the SFS-G01
SFS-TANK-G02	Replacement tank for the SFS-G02
SFS-TIP-LP	Low pressure spray tip
SFS-WT	Wall transformer for 12 VDC models
SFS-Y	Y-strainer on SFS plumbing
1A2A000122	Pump mounting t-nut for G01, 101 tanks
1P1P000228	¼” FNPT x ⅜” tubing
1P1P000229	¼” NPT to ¼” tubing connector
1S1F000001	Overflow tubing
2C4A000012F	¼” MNPT to ¼” push lock tubing
2C4A000030	¼” NPT to 1/4” tubing elbow
2C4A000051	½” MNPT to ¼” FNPT reducer for pump suction on tank
2C4A000056	Overflow elbow
2C4A000059	Replacement spray nozzle
2C4A000060	½” tubing x ¼” MNPT connector
2C4A000087	Replacement panel for SFS-G01 valve holder
2C4A000090	¼” MNPT x garden hose female (for use with SFS-T01)

Prefabricated Systems

Deluxe Wall Mounts



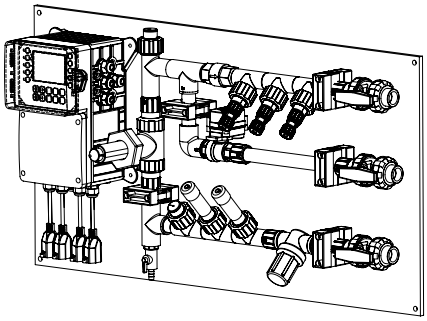
Get your company logo machined into your pre-fab!
The new DWM series of pre-fabs offers the ability to get your company logo machined into a black panel, with the logo in white or no logo on our popular blue panel. Logo art must be approved.

DWM part numbers must have a selection for every position on page 18 and always include 3 probe tees, 1" strainer, flow indicator, backcheck, and unions on both sides of the bleed valve when selected.

If you need multiple loops, order additional DWM panels without the space for a controller.

If one of our standard pre-fab offering does not meet your installation needs, we can build a custom pre-fab to meet a wide range of applications!

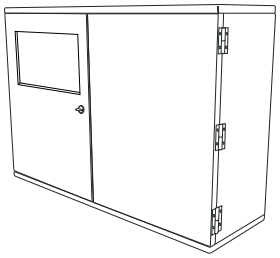
Controller Mount Boards



Controller mount boards are a low-cost option, making installation fast and easy on compact poly boards for controller and sample stream assemblies, with a wide range of options. If you need multiple loops, order additional CM panels without the space for a controller.

Build a CM to your specs on page 19.

Fully Enclosed Cabinets



The FE series of fully-enclosed pre-fabs provides a safe and secure professional installation that saves time and money, while protecting your water treatment equipment from the elements and tampering.

Build a FE to your specs on page 20.

All Prefabs Please Note:

- Older WM part numbers are no longer listed in the price book but are available. Check factory for pricing.
- Controller, pumps, and bleed valves are ordered separately unless indicated. Panel dimensions may vary depending upon options and controller selections.
- The "C" option should only be used if the number of tees needed is different than what is coming with a controller.If ordering option "C" for additional probe tees, a ¾" PVC 90° flow tee is already included on PVC loops. The "C" option will reflect the total number of Advantage probe tees needed, not counting the flow switch tee.
- SS pump shelf brackets options on WM, CM, and FE models use the following codes and additional pricing:

DD1 1 pump
DD2 2 pumps
DD3 3 pumps
DD4 4 pumps

Note: If Pulsatron Series A+, C+, C mounting pattern is needed, add a "2" to the end of the "D" selection.

Deluxe Wall Mount

Model **DWM** - _ _ _ _ _ _ _ _ _ _ _ _

Note: Each position must have a selection. "X" can only be used if listed.

Panel Material
A = Blue with no controller space
B = Blue with 16" wide controller space
C = Black with no controller space
D = Black/white with 16" wide controller space and machined logo*
NEW **E** = Blue/white with 16" wide controller space and machined logo*

Strainer Options
1 = 1" black poly basket
2 = 1" clear poly basket

Plumbing Options (1" PVC still has ¾" probe and flow parts)
A = ¾" with true union valves
B = ¾" with brass isolation valves
C = ¾" with SS isolation valves
D = 1" with CPVC valves
E = 1" with brass valves

Injection Tee Options (X for none; any tee selection includes backcheck)
A = Three ¾" quick release
B = Four ¾" quick release
C = Three 1" CPVC quick release
D = Four 1" CPVC quick release

Loop Direction
1 = In/out on right
2 = In/out on left

Flow Indicator (Standard float-style switch tee is always installed)
1 = ¾" 100 PSI
2 = ¾" 100 PSI with switch

Bleed Leg Options (X for no bleed leg; all ABC/ABV are prewired with unions)
A = ¾" PVC isolation valve
B = ¾" Brass isolation valve
C = ¾" SS isolation valve
D = ¾" PVC & ABC valve
E = ¾" Brass & ABC valve
F = ¾" SS & ABC
G = ¾" PVC & ABV
H = ¾" Brass & ABV
J = ¾" SS & ABV

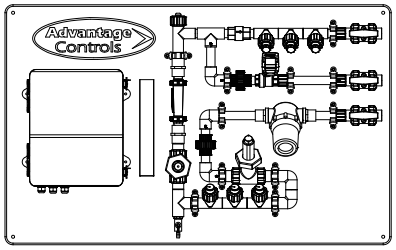
Pump Shelf Options (X for no pump shelf)
1 = 3 position shelf
2 = 3 position shelf, no holes
3 = 4 position shelf
4 = 4 position, no holes
5 = Width of board, no suction holes

Corrosion Coupon Ports (X for none; A-D has 1 & E-H has 2 corrosion sensor ports)
A = Two ¾" quick-release
B = Two ¾" clear quick
C = Two 1" quick-release
D = Two 1" clear quick
E = Four 3/4" quick-release
F = Four 3/4" clear quick
G = Four 1" quick-release
H = Four 1" clear quick

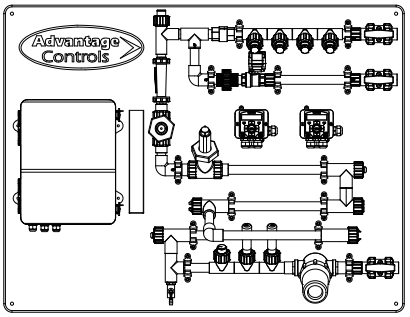
Mounting Options (X for no mounting options; shield option may cover CNC logo)
A = Unistrut rails
B = Free-standing leg kit
C = 12" blue weather shield
D = Strut and shield
E = Legs and shield

Electrical Options (X for no electrical options)
1 = 120 VAC plug box
2 = 230 VAC terminal box
3 = 120 VAC box and light
4 = 230 VAC box and light

*Logo art must be approved before orders are accepted. Charges will be applied if art is not provided in vector format. Controller, sensors, and pumps not included.



DWM-D1AA11DXXXX



DWM-D1AB11DXEXX

Controller Mount Boards

Model **CM** __ -__ __ __ __ __ __ __ __ __ __ __ - __

Board Dimensions and Loop Options
00 = Partially assembled plumbing only, no panel
05 = 24" wide x 20" tall board for single loop only, no controller mount area
10 = 34" wide x 20" tall board for single controller and loop
Note: Panel sizes vary depending on options

Loop Material (With isolation valve and sample port)
A = ¾" PVC **A0** = no loop **A1** = 1" PVC
A4 = 1" Black iron **A6** = ¾" brass valves on PVC loop
A7 = ¾" SS valves on PVC loop **A9** = ¾" SS loop

Injection Tees

¾" PVC	1" PVC	1" CPVC	1" Iron	¾" SS
B1 = 1 tee	**B11**	**B21**	**B41**	**B51**
B2 = 2 tees	**B12**	**B22**	**B42**	**B52**
B3 = 3 tees	**B13**	**B23**	**B43**	**B53**
B4 = 4 tees	**B14**	**B24**	**B44**	**B54**

Probe Tees (Only if different than controller ordered, reflects total number of tees - see page 17)

¾" PVC Quick Release	1" PVC Quick Release	1" Black Iron	1" SS
C1 = 1 tee	**C21**	**C41**	**C51**
C2 = 2 tees	**C22**	**C42**	**C52**
C3 = 3 tees	**C23**	**C43**	**C53**

Pump Mounting Shelf (Shelf adds 16" to height; add a "1" after number for blank shelf)
D2 = 2 pump **D3** = 3 pump **D4** = 4 pump

Strainer Options (Not included as standard)
E = ¾" Basket **E1** = ¾" Flushable Y **E2** = 10" Filter Housing
E4 = 1" Basket Strainer **E6** = 1" Clear Basket **E7** = ¾" SS Strainer

Flow Indicator 1-10 GPM
F = ¾" 100 PSI **F2** = ¾" 230 PSI
F3 = ¾" 100 PSI with flow switch

Coupons

¾" PVC	1" PVC	¾" Black Iron
G2 = 2 Stations	**G12** = 2 Stations	**G22** = 2 Stations
G4 = 4 Stations	**G14** = 4 Stations	**G24** = 4 Stations

Add "L" to get clear PVC over coupon. Coupon stations increase panel height.

Solid Feeder (Order SFS separately; D1 or D2 available with H1; no D option with H2 or H3)
H1 = For a SFS-?01 **H2** = For 2 SFS-?01s **H3** = For 3 SFS-?01s

J = Bleed off leg with shut-off valve (order bleed valve separately)
J5 = PVC bleed leg, ¾" with bypass and two isolation valves (order bleed valve separately)
J9 = 304 SS bleed off leg with shut-off valve (order bleed valve separately)

Loop Direction: Standard is water in and out on the right.
K = In/Out Left **K1** = Left to Right **K2** = In/Out Bottom **K3** = In/Out Top **K4** = Right to Left

Corrosion Sensor Tees 90°

M1 = 1 PVC ¾"	**M11** = 1 PVC 1"	**M21** = 1 Iron 1"	**M31** = 1 FNPT PVC 1"
M2 = 2 PVC ¾"	**M12** = 2 PVC 1"	**M22** = 2 Iron 1"	**M32** = 2 FNPT PVC 1"

Controller Mount Area (Only needed if ordered without a controller)
N = MegaTron XS **N1** = MegaTron MT **N4** = Micro / NANO-XL **N5** = NanoTron

Q = Backcheck (¾" POLY) **Q1** = ¾" SS Backcheck

Whole Pre-Fab Options
P1 = 1.75" wire channel vs 1.25"
R = Mounting rails
T = Weather shield (37" wide max)
Y = Non ACI equip to be supplied
S = Electrical junction box
S2 = Electrical box and wiring for non-USA
U = ½" Blue poly panel
X = Circulation pump (4 GPM)

Fully Enclosed Cabinets

Model **FE** __ - __ __ __ __ __ __ __ __ __ __ __ __ - __

Enclosure Type
3 = Metal 48”W x 36”H x 16”D with key lock double doors

Loop Material with valves, strainer, backcheck and sample (*no strainer & check)
A = ¾” PVC **A0** = no loop **A1** = 1” PVC
A2 = ¾” Black iron **A3** = ¾” Copper **A4** = 1” Black iron
A6 = ¾” brass valves on PVC loop **A7** = ¾” SS valves on PVC loop

Injection	**¾” PVC**	**1” PVC**	**1” CPVC**	**¾” Black Iron**
B1 = 1 tee		**B11**	**B21**	**B31**
B2 = 2 tees		**B12**	**B22**	**B32**
B3 = 3 tees		**B13**	**B23**	**B33**
B4 = 4 tees		**B14**	**B24**	**B34**

Probe Tees (only if different than controller ordered, reflects total number of tees - see page 17)

¾” PVC Quick Release	**1” PVC Quick Release**	**1” Black Iron**
C1 = 1 tee	**C21**	**C41**
C2 = 2 tees	**C22**	**C42**
C3 = 3 tees	**C23**	**C43**

Pump Mounting Shelf (add a “1” after number for blank shelf)
D1 = 1 pump **D2** = 2 pump **D3** = 3 pump **D4** = 4 pump

Strainer Options (¾” basket strainer included as standard)
E = ¾” flushable **E4** = 1” Basket Strainer **E6** = 1” Clear Basket

Flow Indicator 1-10 GPM
F = ¾” 100 PSI **F2** = ¾” 230 PSI
F3 = ¾” 100 PSI with flow switch

Corrosion Coupon Stations (must be standard or K loop direction)

¾” PVC	**1” PVC**	**¾” Black Iron**
G2 = 2 Stations	**G12** = 2 Stations	**G22** = 2 Stations

Add “L” to get clear PVC over coupon.

Solid Feeder (order SFS separately; no D or G options with H; no room for controller with H3)
H1 = For a SFS-?01 **H2** = For 2 SFS-?01’s **H3** = For 3 SFS-?01’s

J = Bleed off leg with shut-off valve (order bleed valve separately)

Loop Direction: Standard is in and out on the right.
K = In/Out Left **K1** = Left to Right **K2** = In/Out Bottom **K3** = In/Out Top **K4** = Right to Left

Corrosion Sensor Tees 90°

M1 = 1 PVC ¾”	**M11** = 1 PVC 1”	**M21** = 1 Iron 1”	**M31** = 1 FNPT PVC 1”
M2 = 2 PVC ¾”	**M12** = 2 PVC 1”	**M22** = 2 Iron 1”	**M32** = 2 FNPT PVC 1”

Controller Mount Area (only needed if ordered without a controller)
N = MegaTron XS **N1** = MegaTron MT **N4** = Micro / Nano-W **N5** = NanoTron

Whole Pre-Fab Options
P1 = 1.75” wire channel vs 1.25”
S = Electrical junction box
S1 = Electrical box with light kit
X = Circulation pump (4 GPM)
W = Free standing leg kit
R = Mounting rails
U = Strainer external mount kit
V = Window(left door)
V1 = Window(right door)
Y = Non ACI equipment to be supplied

Evaporative Cooler Systems

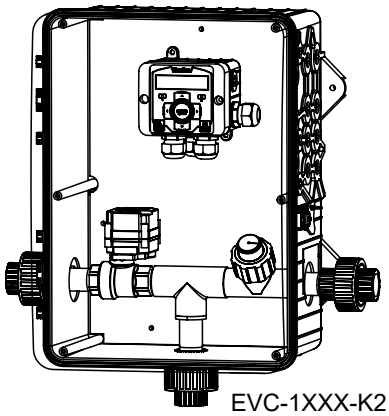
Model **EVC -** __ __ __ __ - __ __

Controller Selection
- **1** = Nano-C control with 1 timer
- **4** = NANOXL-C control with 3 timers
- **5** = Conductivity probe tee plugged, no controller

Board Selection
- **X** - No board
- **A** - EVC on blue panel with no pump shelf
- **B** - EVC on blue panel with 1 pump shelf; 33"x 18"
- **C** - EVC on blue panel with 3 pump shelf; 42"x 24"

Pump Selection (Individually boxed)
- **X** - No pumps
- **1** - One 15 GPD pump
- **2** - One 30 GPD pump
- **3** - Three 15 GPD pumps
- **4** - Three 30 GPD pumps

Water Meter Selection (Individually boxed)
- **X** - No water meter
- **A** - ¾" water meter
- **B** - 1" water meter



EVC-1XXX-K2 Depicted

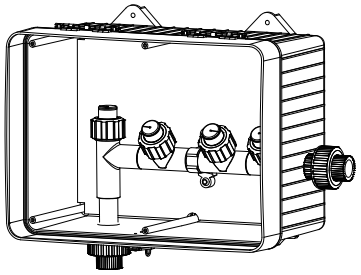
Options
- **A** = 120 VAC conduit
- **A3** = 240 VAC liquid tights
- **B** = Black cover on EVC
- **S** = ¾" PVC sample tee & valve (loose with no board)
- **K1** = In left out right plumbing
- **K2** = Removes isolation valve and adds return tee for continuous sampling
- **J** = GE-SO-3/4P instead of ABC-3/4

Flow-Box

Discount B

Advantage PVC ¾" flow assemble in NEMA 4X style plastic enclosure with clear hinged lid, lockable SS latch.
Dimensions: 16.5" W x 13.5" H x 8.75" D

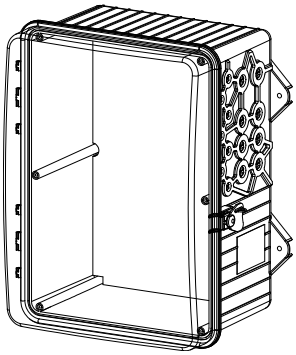
FLOW-BOX Flow tee and 3 quick release probe tees



Options
- **B** Black cover
- **J** Two probe tees, bleed leg with union, no valve
- **J1** Two probe tees, bleed leg with ABC-3/4J1 and unions
- **J2** Two probe tees, bleed leg with ABV-3/4P and unions
- **K** Right-to-left plumbing
- **S** Sample tee, ¾" and sample valve shipped loose
- **Q** Backcheck, 3/4" poly shipped loose
- **V2** Two ¾" brass isolation valves and PVC nipples shipped loose
- **V3** Three ¾" brass isolation valves and PVC nipples shipped loose

Multi-Box

Multiple use NEMA 4X style plastic enclosure with a clear hinged lid, lockable stainless steel latch, liquid tights knock-outs and external mounting feet. XS and smaller units fit inside.
Outer Dimensions: 16.5" H x 13.5" W x 8.75" D Inner Dimensions: 14.25" H x 10" W x 7.5" D



MULTI-BOX Plastic enclosure with clear lid

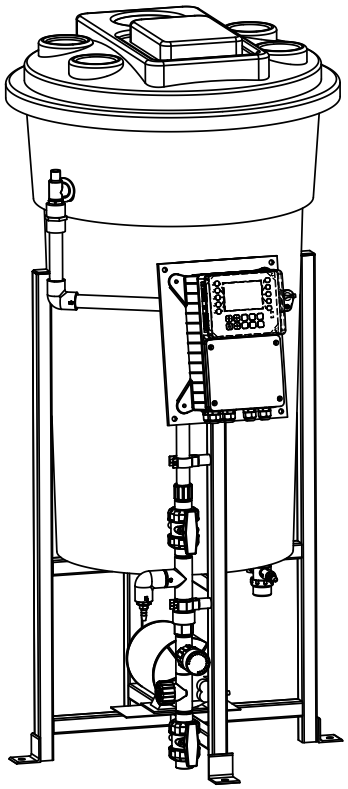
Options
- **B** Black cover
- **G** Grommet package
- **P** Back panel, ½" blue poly inside box for mounting items
- **X** Mount separately ordered controller or pump in box

Small Mounting Panels (No plumbing)

SS-CMB	Mounting panel for XS controllers
SS-CMB-U	Mounting panel for XS controllers, blue
MT-CMB	Mounting panel for MT controllers
NANO-CMB	Mounting panel for Nano controllers

Glycol Feeder for Closed Loop Systems

Model **GF** - ___ ___ ___ ___ ___ ___ - ___



Tank Selection
- **1** = 55 GAL (208L) poly
- **2** = 100 GAL (378L) poly
- **3** = 30 GAL (113L) poly
- **4** = 50 GAL (189L) carbon steel
- **6** = 70 GAL (264L) poly
- **7** = 150 GAL (567L) poly

Stand Selection
- **A** = Powder coated steel stand
- **B** = Powder coated steel stand + mixer bracket

Pump Selection

*Dual pump sys. require 2 pump selections (i.e. -11)
- **0** = No pump
- **1** = 2.0 GPM at 150 PSI; ⅓ HP
- **2** = 3.3 GPM at 150 PSI; ½ HP
- **3** = 5.5 GPM at 100 PSI; ½ HP
- **4** = 10 GPM at 100 PSI; 1 HP

Pump Configuration
- **A** = Standard configuration
- **B** = Alternating pumps for single loops (requires 2 pump selections)
- **C** = Pump plumbed for transfer duty into tank

Loop Selection

*Dual loop sys. require 2 loop selections (i.e. -11)
- **0** = No loop
- **1** = Sch 80 PVC loop; 100 PSI max; 100°F max
- **2** = Copper/brass loop; 100 PSI max; 180°F max
- **3** = Carbon steel loop; 100 PSI max

Control Selection
- **M** = NANO w/ alarm buzzer & contact, ETL, 0-100 PSI sensor, single loop
- **G** = XS controller w/ ETL listing, pressure sensor for single loop
- **H** = XS controller w/ ETL listing, pressure sensors for dual loop
- **D** = Pressure transducer, level wand and pump starter relay for use with separately ordered MegaTron with 4-20mA input ability (per loop)
- **E** = No controller or pressure sensor with just an On/Off switch for the pump.

Options
- **1** = 240 VAC
- **5** = Position backcheck to use tank for expansion
- **C1** = Communications card Internet (XS controller only)
- **C11** = Communications card w/ Modbus TCP/IP
- **C12** = Communications card w/ Bacnet TCP/IP (read only)
- **C22** = Communications card w/ Bacnet (read/write)
- **H** = 0-200 PSI pressure transducer and gauge (per loop). Must use 150 PSI pump
- **M** = Mixer controls (order mixer separate)
- **M1** = Mixer controls with 1/20 HP bung mount mixer
- **O4** = Four 4-20mA outputs (XS controller only)
- **S** = On/Off switch for pump only (already included with control option E)
- **R** = Roller casters added to stand

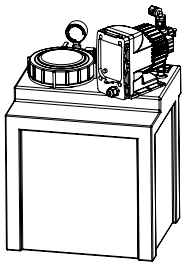
NEW **Glycol Refractive Index Sensor for XS control models**

RTA-100-3X Refractive index Sensor and temp mA outputs SS housing not installed

Glycol Feeder Parts

1A2A000011	Fuse 12A 250 VAC slow blow ceramic (for glycol feeders)
GFPUMP-1	2.0 gpm @ 150 psi glycol pump, ⅓ HP, 115/230 VAC
GFPUMP-2	3.3 gpm @ 150 psi glycol pump, ½ HP, 115/230 VAC
GFPUMP-3	5.5 gpm @ 100 psi glycol pump, ½ HP, 115/230 VAC
GFPUMP-4	10 gpm @ 100 psi glycol pump, 1 HP, 115V
GF-1-SUCTION	Includes ½" strainer and ⅜" tubing
GF-2-SUCTION	Includes ½" strainer and ½" tubing
GF-4-SUCTION	Includes ¾" strainer and ¾" tubing
AGF-APCT-55	Replacement 55-gallon tank for glycol feeder
AGF-ATS-5	Replacement 5-gallon tank for glycol feeder
AGF-BLS	¼" Bowl strainer for suction side of pump of old-style pumps
AGF-PG	Pressure gauge 0-100
AGF-PG-200	Pressure gauge 0-200
AGF-PRV	Pressure relief valve (brass)
AGF-PS	Mechanical pressure switch (30-50 PSI)
AGF-PTD	Pressure transducer for (2 wire 4-20 mA 0-100 PSI)
AGF-PTD-200	0-200 PSI 4-20 mA output transmitter, 1/4 " MNPT with M12 connector, 10' cable
AGF-SUCTION	Pump suction assembly; ¼" shut-off and strainer for ¾" tubing on old-style pumps
ALL-S42	Low level wand adjustable to 42"
CKV-3/4PP	Backcheck Valve
GF-NANO-M	NANO style glycol controller, single loop, buzzer
GF-XSG	XS glycol controller single loop
GF-XSH	XS glycol controller dual loop
NANO-GF-PANEL	Replacement front logic panel only for GF-NANO-M

Replacement plumbing assemblies can be ordered for glycol feeders by putting a prefix of **PA** in front of the glycol feeder model number (i.e. **PAGF-1A1A1A**). It will include isolation valves, pressure gauge, pressure relief valve and backcheck (the pressure transducer AGF-PTD is not included).



Economy Glycol Feeder

EGF glycol systems feed systems provide a compact wall-mountable tank with 30 GPD @ 100 PSI pump with prime function, 6-30 PSI switch, low level shut-off, pressure gauge, and ¼ brass plumbing in one economical package.

EGF-05	5-gallon feeder with 30 GPD @ 100 PSI pump
EGF-10	10-gallon feeder with 30 GPD @ 100 PSI pump

Options

A2	240 VAC no plug
B	15 GPD @ 150 PSI pump
C	Red pumping housing (instead of green)
C1	Blue pump housing (instead of green)
P	High pressure switch 20-120 PSI

Parts

SFS-SUCTION	Outlet pump suction assembly
SFS-BV	Brass inlet ball valve
EGF-SWITCH30	6-30 psi pressure switch
EGF-SWITCH120	20-120 psi pressure switch
SFS-PG	0-100 psi gauge
EGF-LF-1	Low level switch
R00223	SS wall bracket for EGF-05
R00339	SS wall bracket for EGF-10

Bypass Feeders

Bypass Feeders are designed to provide a dependable means of introducing treatment chemicals into hot and cold water or other liquid streams with a large filtration capacity. Bypass Feeders are rated to 300 PSI (20.7 bar) and 200°F (93.3°C). The coarse ACME thread cap design provides better sealing and quick opening.

Model **BF-** ____ ____ ____

Capacity

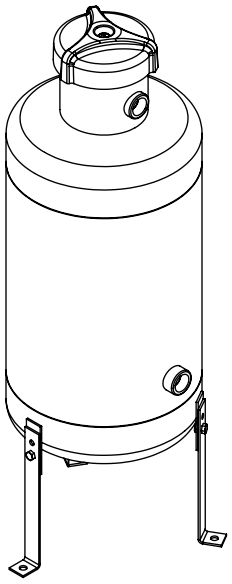
02	=	2 gallon
05	=	5 gallon
12	=	12 gallon

Bottom

D	=	Dome with legs and bottom port
F	=	Flat

Filter

X	=	No filter
1	=	10” cartridge filter holder (20 micron hot filter included)
2	=	18” bag filter basket, (25 micron bag included)
3	=	18” bag filter basket, (5 micron bag included)
4	=	18” bag filter basket, no filter

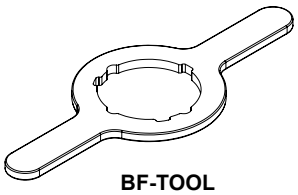


Accessory Kits

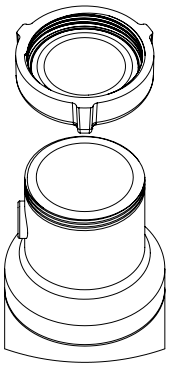
BFK-ISOVALVES	=	¾” brass isolation valves with unions and nipples
BFK-DBDRAIN	=	¾” brass drain valve and fittings for dome bottom
BFK-FBDRAIN	=	¾” brass drain valve and fittings for flat bottom
BFK-GAUGEX	=	¾” cross with 0-300 psi gauge, sample valve 180°F and fittings
BFK-FUNASM	=	¾” tee isolation valve and funnel
BFK-INSTALL-DB	=	1 BFK-ISOVALVES, 1 BFK-DBDRAIN, 2 BFK-GAUGEX

Parts

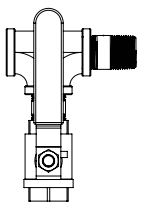
BF-BAG0118	=	18” x 3” bag filter, 01 micron, 325°F
BF-BAG0518	=	18” x 3” bag filter, 05 micron, 325°F
BF-BAG2518	=	18” x 3” bag filter, 25 micron, 325°F
BF-BAG5018	=	18” x 3” bag filter, 50 micron, 325°F
BF-BGCAGE18-F	=	Bypass feeder SS bag filter cage, no handle, 18"
BF-CF05-10	=	10” cold water cartridge filter, 05 micron, 120°F
BF-CF20-10	=	10” cold water filter, 20 micron, 120°F
BF-HF05-10	=	10” hot water cartridge filter, SS core, 05 micron, 200°F
BF-HF20-10	=	10” hot water filter, SS core, 20 micron, 200°F
BF-CFCAGE10	=	Bypass feeder SS cartridge filter holder, 10”
BF-CAP	=	Bypass feeder cap assembly
BF-FUNNEL	=	Poly funnel with ¾” MNPT
BF-LEGS	=	Bypass feeder leg kit
BF-ORING	=	Bypass feeder cap O-ring
BF-PG	=	0-300 psi pressure gauge
BF-PLATE	=	Bypass feeder cap plate
NEW BF-TOOL	=	Bypass feeder cap removal tool
FLOW-2HT	=	¾” flow indicator; 230 psi, 300°F max
SFS-BV	=	¼” brass bleed valve, 180°F max



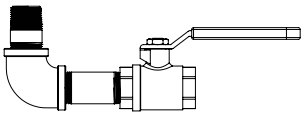
BF-TOOL



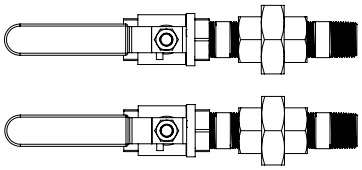
ACME cap



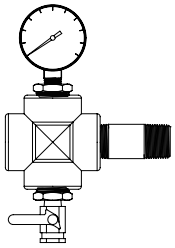
BFK-FBDRAIN



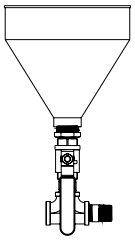
BFK-DBDRAIN



BFK-ISOVALVES



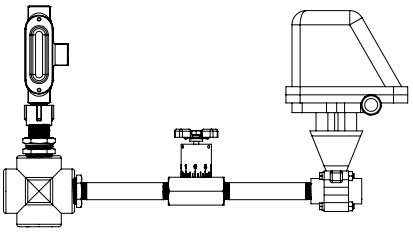
BFK-GAUGEX



BFK-FUNASM

Boiler Accessories

Build Your Own Boiler Valve Package



With the AVP valve package, select the blowdown valve and flow restrictor that meets your boiler application's requirements and Advantage Controls will pre-assemble it with a probe cross (probe not included) to ensure that you get a correct plumbing configuration. Change the second digit of the code to "1" for ¾" and add individual valve price difference: AVP-31-31.

Model **AVP-** ____ ____- ____

Electric Blowdown Valve

20	=	SVB-050 ½" brass solenoid valve, 0-140 min/max PSI diff
30	=	MBWB-½ motorized ball valve SS, 360° actuator, 0-450 min/max PSI diff
40	=	MBWA-½ motorized ball valve SS, 90° actuator, 0-450 min/max PSI diff
NEW 50	=	MBV-050 motorized ball valve SS, 325 psi max
60	=	SOB-½ brass solenoid valve, 0-140 min/max PSI diff

Flow Restricting Device

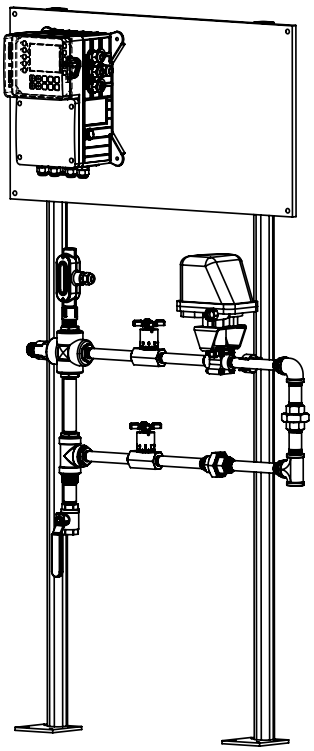
00	=	AOU-1 orifice union with 4 plates, 1000 PSI max
30	=	NFC-½ flow control valve, 5000 PSI max

Options

A	Adds second flow restricting device for continuous sampling
A1	Adds second NFC-½ in bypass plus a ¾" flush valve
C	¾" probe tee instead of 1"
F	Add a ¾" flush ball valve on bottom of probe cross
Y1	Add Y-strainer with flush valve before blowdown valve
P	Mount AVP and separately ordered controller onto poly board and prewire
P1	Mount AVP and separately ordered controller & sample cooler onto poly board and prewire

Boiler Valve Stands

BVS boiler pre-fab systems include a MBWB-½ blowdown valve, NFC-½ throttling valve, 1" probe cross, ¾" flush valve on bottom of cross, ½" blue poly panel (30"W x 16"H) for separately ordered controller, pre-wiring of probe and blowdown valve to controller, 6' tall powder coated steel legs with floor mounts.



BVS-30-30
NEW BVS-50-30

Options

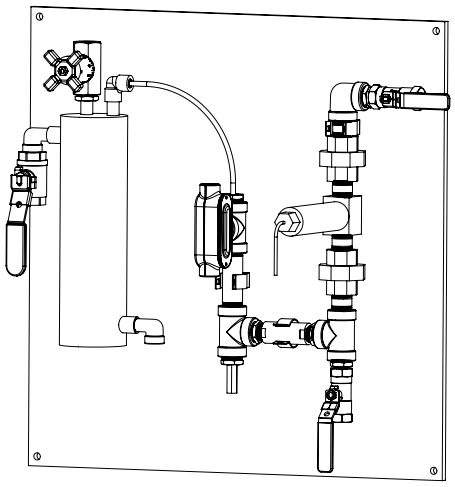
B	Bypass line with second NFC-½
B3	Bypass line with probe on lower level w/ second NFC-1/2
C	Continuous configuration w/ second NFC-½
NEW C1	Continuous configuration w/ second NFC-½ & MBWB-½
C2	Continuous configuration w/second NFC-1/2 & MBV-050
D	Adds a second sample stream & valves
NEW D1	Adds a second sample stream with MBV-050
K4	Plumbing right to left
L	Second ½" blue poly panel on lower section
P	¾" probe cross instead of 1" cross
S	Sample cooler (not pre-plumbed)
S2	Sample cooler with hot inlet plumbed

Notes:
1. If ordering a two sample stream stand and the bypass option (B) is desired, order it twice.
2. Change 2nd digit of code to 1 for ¾", add individual valve price difference: BVS-31-31.

Boiler Trace Panels

Panels include the following items mounted on a ½" blue poly panel:

- LBC-SS sample cooler
- Pressure relief valve on cooled sample
- NFC-½ throttling valve on boiler water inlet
- Non-electric sample temperature shut-off valve
  PVC plumbing after the sample cooler is only rated to 100 PSI at 120°F
- Cold water inlet has no automatic valve, cold water will always run through sample cooler
- Desired controller and trace sensor to be ordered as separate line items
- Controller must have temperature / conductivity sensor for cooled trace sample line if operating electric valve on hot inlet



Model **BTP ____ - ____ - ____**

Board
00 = Plumbing only, no panel
05 = Board with no space for controller (32"H x 26"W)
10 = Board with space for controller (32"H x 38"W)

Inlet Boiler Water Valve Shut-Off
X = No inlet sample shut-off
NEW
30 = MBWB-½ motorized ball valve (450 PSI max)
40 = MBV-050 motorized ball valve (325 PSI max)
50 = SVB-050 solenoid (140 PSI max)
55 = SVB-050 solenoid (140 PSI max) on cooled sample outlet

Additional Probe Tees
X = No cooled sample sensor tees
1 = One ¾" SS conductivity probe tee, mounted vertical
2 = Two ¾" PVC quick release probe tees, mounted horizontal
3 = Three ¾" PVC quick release probe tees
4 = Two ¾" SS tees
5 = Three ¾" SS tees
6 = One ¾" PVC quick release

Options
A = Isolation valve on cold water inlet to sample cooler
C = Cold water solenoid valve SO-½-P in inlet to sample cooler
D = No sample cooler
F = Low flow paddle switch in ¾" PVC tee
N = No temperature control valve
P = No pressure relief valve
R = Mounting rails
S = Indicates BTP is to be mounted on separately ordered BVS prefab
T = LD2 trace sensor tee only plugged (not needed if sensor is on order)
T1 = Pyxis trace sensor tee only plugged (not needed if sensor is on order)
T2 = ¼" SS tubing between sample tee and outlet valve
T5 = SS quick release tee for Pyxis sensor (order probe separate)
U = ¾" SS unions on both sides of trace sensor
W = Free standing legs

Boiler Solenoid Valves

NEW SVB-050	½" Valve, 0-140 PSI, rated to 366°F, 120 VAC
SOB-1/2	½" Valve, 0-140 PSI, rated to 356°F, 120 VAC
SOB-3/4	¾" Valve, 0-140 PSI, rated to 356°F, 120 VAC
SGB-1/2	½" Valve, 13-140 PSI, rated to 350°F, 120 VAC
SGB-3/4	¾" Valve, 13-140 PSI, rated to 350°F, 120 VAC

NEW Motorized Ball Valves, 0-325 PSI, Rated to 459° With 90° Electric Actuators

MBV-050	½ Valve with 120 VAC actuator
MBV-075	¾" Valve with 120 VAC actuator

Motorized Ball Valves, 0-450 PSI, Rated to 459° With 360° Electric Actuators

MBWB-1/2	½" Valve With 1036 Actuator, 120 VAC
MBWB-3/4	¾" Valve With 1036 Actuator, 120 VAC
MBWB-1	1" Valve With 1036 Actuator, 120 VAC

Motorized Ball Valves, 0-450 PSI, Rated to 459° With Heavy Duty 90° Electric Actuators

MBWA-1/2	½" Valve With 1075 Actuator, 120 VAC
MBWA-3/4	¾" Valve With 1075 Actuator, 120 VAC
MBWA-1	1" Valve With 1075 Actuator, 120 VAC

Motorized Ball Valve Parts

MWB	1036 Actuator Only, 120 VAC
MWA	1075 Actuator Only 120 VAC
AWS-1/2	½" Valve Only, carbon steel body, 316 SS stem & ball
AWS-3/4	¾" Valve Only, carbon steel body, 316 SS stem & ball
MWBS	Micro switch for actuator

Boiler Rated Needle Control Valves with position indicator

NFC-1/2	½" 5,000 PSI
NFC-3/4	¾" 5,000 PSI

Orifice Unions

AOU-1	1" Forged Steel Orifice Union with 4 Orifice Plates - 1,000 PSI
AOUP	Set of 4 Stainless Steel Orifice Plates Includes ⅛", 3⁄16", ¼", 5⁄16" Orifice Sizes.
AOUP-1	1" Blank Plate, SS

Sample Coolers and Parts

LBC-SS	SS Sample Cooler With 316 SS Tubing, Tube & Connections Plain 1/4" OD Tube End (2500 PSI Hot Coil / 250 PSI on Cold Shell)
PRV-SS-¼	¼'' SS pressure relief valve, relieves at 100 PSI
TCV-050-SS100	½'' SS temperature control valve, closed at 110°F

Advantage Controls can help you source other valves and sizes not shown here.

Pyxis and other Specialty Sensors

Model- ____ - ____ ____

Optics

STA-500 = PTSA sensor (0-300 ppb), CPVC, 100 psi
STA-500SS = PTSA sensor (0-300 ppb), SS, 290 psi (no tee)
STA-500W = PTSA sensor (0-300 ppb) Fit Turner tee (no tee)
STA-525 = Fluorescein sensor (0-60 ppb), CPVC, 100 psi
STA-525H = Fluorescein sensor (0-500 ppb), CPVC, 100 psi
STA-525SS = Fluorescein sensor (0-60 ppb), SS, 290 psi (no tee)
STA-525SS-HRT = Fluorescein sensor (0-500 ppb), SS, 290 psi (no tee)
STA-587 = PTSA (0-300) and turbidity (0-200 NTU), 2 outputs**, CPVC, 100 psi
STA-588 = PTSA and tagged polymer, 2 outputs**, CPVC, 100 psi
STA-730 = Turbidity sensor (0-100 NTU), CPVC, 100 psi
STA-730B = Turbidity sensor (0-1000 NTU), CPVC, 100 psi
STA-772TP = DO (0.004-20 mg/L PPM) and temperature, 2 outputs**, CPVC, 100 psi
LTA-632 = Turbidity (0-1,000) submersible with wiper, 10 meter cable
NEW
LTA-739 = Low turbidity (0.00-40.00 NTU), SS, 100 PSI (EPA 180.1 light). Flow cell not included
STA-710SS = pH sensor (0-14), SS body, CPVC tee, 100 PSI
STA-728 = Conductivity/temp (**) (.02-10.00 µS/cm/ 32°-120°F), SS body, ¾" MNPT, 100 PSI
SDA-7420PH = Differential style pH with replaceable salt bridge, 1.5" poly tee
TCA-C3254B = Toroidal conductivity 0-100 mS, CPVC, 1.5" MNPT

Wiring

1 = Standard 50” quick release cable with stripped ends
2 = 50” quick release cable with one mA prewired to separately order Advantage controller
3 = 50” quick release cable with two mA’s prewired to separately order Advantage controller
** use wiring option 3 on dual output sensors if the second mA output is to be wired.

Pre-Fab

X = Probe and tee not installed
Y = Probe and tee pre-installed in controller or prefab plumbing (must have Advantage controller or prefab ordered as separate line item on same order)
U = SS probe pre-installed with SS unions on either side

Oxidizer Sensors w/ Clean & Dirty Water Flow Cells

Model **STA** - ___ ___ - ___ ___ ___

Oxidizer Type

XXXXX = No sensor
FCL = Free chlorine & pH SS sensor (40-104°F, 30 PSI, 0.25 GPM max) 0-5 PPM
CLO = ClO_2 & pH SS sensor (40-104°F, 30 PSI, 0.25 GPM max) 0-5 PPM
NEW
BRO = Bromine & pH SS sensor (40-104°F, 30 PSI, 0.25 GPM max) 0-5 PPM
NCL = Monochloramine/pH (40-140°F, 30 PSI, 0.25 GPM max) 0-5 PPM (SS only)
SO3 = Sulfite & pH SS sensor (40-104°F, 30 PSI, 0.25 GPM max) 0-5 PPM
TCL = Total chlorine & pH SS sensor (40-104°F, 30 PSI, 0.25 GPM max) 0-5 PPM

Sensor Body

P = UPVC body (FCL & CLO only) **SS** = 304 SS body

Flow Cell

X = No flow cell
1 = Self-cleaning flow cell only (dirty tower water)
2 = Self-cleaning flow cell with 24 VDC power supply (dirty tower water)
3 = Clean water single-sensor flow cell with no cleaning motor or brush
4 = Clean water dual-sensor flow cell with no cleaning motor or brush
5 = Self cleaning with 24 VDC and auto flow control cell

Wiring

X = No pre-wiring
1 = Oxidizer mA output prewired
2 = Oxidizer & pH mA output prewired
3 = No pre-wiring w/ bluetooth module
4 = Ox mA prewired w/ bluetooth module
5 = Ox & pH prewired w/ bluetooth module

Plumbing (1, 2, & 3 include pressure regulator, gauge, 0-1 GPM flow indicator and 0.25 flow switch)

X = No plumbing
1 = Pre-plumbed on a separate pre-fab
2 = Pre-plumbed on small, white, poly panel (no space for monitor/controller)
3 = Pre-plumbed with all fixtures on blue poly with room for separately ordered controller

Parts & Accessories

A-22624	Pyxis SS quick release tee with 3/4" FNPT
A-50743	50' extension cable for 8 pin sensors
A-50744	100' extension cable for 8 pin sensors
A-50745	4.9' extension cable for 8 pin sensors
A-50779	Pyxis side stream flow cell for clean water applications.
A-50780	1’5” PVC inline flow cell for LTA-739 sensor
A-EH-765	Replacement sensor head for STA-FCLS, STA-CLOSS and STA-BROSS sensors
A-FRP-300-1	Replacement brush
FLOW-25-01	0-1 GPM flow indicator with ¼" FNPT connections
FLOW25-MOUNT	FLOW-24-01 aluminum mounting bracket
FLUOR-50-P	50 ppb Fluorescein test solution, 500 ml
FS-LF-038	3/8" tubing flow switch, on at 0.25 gpm
MA-1.5CR	1.5 meter 8 pin cable with male connector and stripped ends
MA-150	Pyxis PVC tee o-ring
NEW MA-WB	Bluetooth programming box with 7-pin connectors for 500 and 730 sensors
NEW MA-CR	Bluetooth programming box with 8-pin connectors for 525, 588 and 772 sensors
MT-DCV-PP1	24 VDC Pyxis power supply with Bluetooth for 1 sensor installed is separately order MegaTron MT
MT-DCV-PP4	24 VDC Pyxis power supply with Bluetooth for 4 sensors installed is separately order MegaTron MT
NTU-50-P	50 NTU test solution, 500 ml
PTSA-100-P	100 ppb PTSA test solution, 500 ml
PTSA-300-P	300 ppb PTSA test solution, 500 ml
PTSA-1010-P	100 ppb PTSA and 1,000 µS/cm test solution, 500 ml
PYXIS-T-N-PLUG	Pyxis PVC tee and plug is separately ordered controller or prefab
PYXIS-T-ADAPT	Pyxis PVC sensor adaptor, 1.5” MNPT by sensor port opening
PYXIS-NUT	Pyxis PVC tee nut
PYXIS-PLUG	Pyxis PVC tee sensor port plug
ST-SER-01	STA sensor cleaning kit and solution, 500 ml
SFS-PR	¼" FNPT pressure regulator
WG-PG	0-30 PSI pressure gauge

Little Dipper 2 Fluorometer by Turner Designs

Model **LD2820** ____ - ____ ____

Optics
A = PTSA optics (0-300 ppb), PVC, 100 PSI

Wiring
1 = Standard 55” quick release cable with stripped ends
2 = 55” quick release cable prewired to separately order Advantage controller
3 = 72” quick release cable pre-wiring to separately order Advantage controller

Pre-Fab
X = Probe and tee not installed
Y = Probe and tee pre-installed in controller or pre-fab plumbing (must have Advantage controller or pre-fab ordered as separate line item on same order)
Z = Probe and tee pre-installed like option Y plus plug for tee

Parts and Accessories

LD2-2820-505	Calibration cable and power supply
LD2-2820-510	Replacement tee and nut (1” FNPT)
LD2-NUT	Replacement nut for LD2 probe
LD2-021-2800	Replacement cable, 4-20mA; 62”
LD2-CABLE-180	Replacement cable, 4-20mA, 180”
LD2-CAL-T	Calibration tee with 1” FNPT plugs
LD2-O-ring	Replacement O-ring
LD2-PLUG	Plug for LD2 tee
LD2-RPK	Plumbing Kit to replace original tee (tee not included)
LD2-TMP	LD2 tee and plug installed in separately ordered prefab
PTSA-100	100 ppb PTSA test solution, 1 liter
NEW PTSA-100-A	100 ppb PTSA test solution, 500mL
PTSA-300	300 ppb PTSA test solution, 1 liter

Pressure Reducing Flow Assembly for Fluorometer

Assembly includes 1/4” NPT inlet valve, low flow switch, pressure regulator, pressure gauge, inlet max 250 PSI @ 150°F, 0-1 gpm flow indicator and 1/4” tubing to drain mounted on small blue panel. Order the desired sensor separately.

PRFA-01-T	Flow assembly with Turner tee
PRFA-01-P	Flow assembly with Pyxis tee

Options

H	Adds sample cooler before flow indicator
T	Adds 110°F temp shut off valve
Y	Mount assembly on separately ordered pre-fab

EchoPod Drum Level Sensors

DL 10-45-K	Pre-Calibrated to a 45” tall drum
DL 10-40-K	Pre-Calibrated to a 40” tall drum
DL 10-35-K	Pre-Calibrated to a 35” tall drum
DL 10-30-K	Pre-Calibrated to a 30” tall drum
DL 10-25-K	Pre-Calibrated to a 25” tall drum
DL 10-00-K	No pre-calibration 0-49”
DL 24-00-K	No pre-calibration 0-9.8’

Note: EchoPods require a 24 VDC supply like the PSDC-24-Q4 below.

EchoPod Parts

L199-2001	USB fob for programming
2C4A-116	Replacement 2” to 1” reducer bushing (new sensor includes one)
CABLE-FOB-7P	Cable to connect DL10/24’s with K option to programming fob

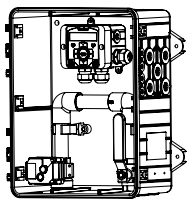
DC Power Supply

PSDC-24-Q	90-264 VAC to 24 VDC power supply (with connections for 1-4 sensors)
PSDC-24-Q4	90-264 VAC to 24 VDC power supply (with connection and CABLE-7P-2 for 1-4 sensors)
PSDC-24-Q4W4	90-264 VAC to 24 VDC power supply (with connection and CABLE-7P-2 for 4 sensors) mounted in a MICRO-BOX with 4 pigtails wired to terminal for external power.

NEW!

Pressure and Temperature Sensors

PTD-025	0-25 PSI 4-20 mA output transmitter, 1/4 " MNPT with M12 connector, no cable
PTD-100	0-100 PSI 4-20 mA output transmitter, 1/4 " MNPT with M12 connector, no cable
PTD-200	0-200 PSI 4-20 mA output transmitter, 1/4 " MNPT with M12 connector, no cable
PTD-300	0-300 PSI 4-20 mA output transmitter, 1/4 " MNPT with M12 connector, no cable
PTD-025-10	0-25 PSI 4-20 mA output transmitter, 1/4 " MNPT with M12 connector, 10’ cable
PTD-100-10	0-100 PSI 4-20 mA output transmitter, 1/4 " MNPT with M12 connector, 10’ cable
PTD-200-10	0-200 PSI 4-20 mA output transmitter, 1/4 " MNPT with M12 connector, 10’ cable
PTD-300-10	0-300 PSI 4-20 mA output transmitter, 1/4 " MNPT with M12 connector, 10’ cable
TTD-200-10	0-200°F 4-20 mA output transmitter, 1/4" MNPT with M12 connector, 10’ cable
CABLE-2M12-10	10’ two conductor cable with M12 connector
CABLE-2M12-25	25’ two conductor cable with M12 connector
CABLE-2M12-50	50’ two conductor cable with M12 connector
CABLE-2M12-75	75’ two conductor cable with M12 connector
CABLE-2M12-100	100’ two conductor cable with M12 connector
CABLE-2M12-125	125’ two conductor cable with M12 connector



Automatic Flushing System

AFS units automate the flushing of domestic water lines and come complete with brass flushing valve, brass isolation valve, CPVC plumbing, and floor drain sensor. Standard units are 120 VAC.

AFS-01	Flushing controller, valve and plumbing mounted on 10” x 13” panel
AFS-02	Flushing controller, valve and plumbing mounted in enclosure

Parts

AFS-NANO-C	Replacement flushing controller
AFS-E-25	Replacement drain sensor with 25’ cable

Tower Conductivity Replacement Probes

Quick Release Style

E-2-10	Non-Temperature Compensated Probe (A Minus Standard Replacement 10’ cord)	
E-3A-10	Probe, 3-wire with 10’ Cord (Standard on original Analog Models)	
E-4A-10	Probe, 4-wire with 10’ cord (Standard Replacement MegaTron, MicroTrons and NANO-XL)	
E-4ASS-10	Stainless Steel electrodes, with 10’ cord A Range Temperature Compensation	
All quick release style conductivity probes are PVC		120 PSI (8.2 bar) @ 125°F (51.6°C)

For the probe and tee assembly add the “T” prefix.

Threaded Mount Probes

AH-4ASS	1” MNPT SS bushing, conductivity probe	250 PSI (17.2 bar) @ 140°F (60°C)
AH-4BSS	1” MNPT SS bushing, conductivity probe	250 PSI (17.2 bar) @ 140°F (60°C)
AH-075-4ASS-10	3/4” MNPT ABS body, 10' cord	250 PSI (17.2 bar) @ 140°F (60°C)

Special Type Probes

DC-4A	Tank mounted probe, CPVC	190°F (87.7°C)
DC-4ASS	Tank mounted, SS tips, CPVC	190°F (87.7°C)
CS-4ASS	Corporation stop probe, 1” valve PVC	75 PSI (5.1 bar) @ 140°F (60°C)
DI-4A	Direct insertion probe, 1” MNPT & quick release	120 PSI (8.2 bar) @ 125°F (51.6°C)
DI-27-4A	High conductivity probe with 1” quick release	120 PSI (8.2 bar) @ 125°F (51.6°C)
AL-4RTD	Pure water probe with RTD temp, ½” MNPT	100 PSI (6.8 bar) @ 212°F (100°C)
AL-4ASS-10	Pure water probe with thermistor, ½” MNPT	100 PSI (6.8 bar) @ 212°F (100°C)

Note: For conductivity probes with longer wires, see page 37.

Boiler Conductivity Replacement Probes

BE-2	1” MNPT SS threads, PEEK core	75 PSI (5.1 bar)
BE-32	1” MNPT SS, PEEK core	250 PSI (17.2 bar) @ 400°F (204°C) / 350 PSI @ 265°F
BE-32-S	¾” MNPT SS, PEEK core	250 PSI (17.2 bar) @ 400°F (204°C) / 350 PSI @ 265°F
BE-34B	1” MNPT SS PEEK, thermistor	250 PSI (17.2 bar) @ 400°F (204°C) / 350 PSI @ 265°F
BE-4RTD	1” MNPT SS, PEEK, RTD	250 PSI (17.2 bar) @ 400°F (204°C) / 350 PSI @ 265°F
BE-4RTD-S	¾” MNPT SS, PEEK, RTD	250 PSI (17.2 bar) @ 400°F (204°C) / 350 PSI @ 265°F
BE-H2-S	¾” MNPT SS, PEEK core	600 PSI (41.3 bar) @ 500°F (260°C)
BE-H4RTD-S	¾” MNPT SS, PEEK, 4-wire RTD	600 PSI (41.3 bar) @ 500°F (260°C)
1C	1” FNPT steel cross	
3/4C	¾” FNPT steel cross for BE-4RTD-S Probe	

Notes:

1. To make boiler probes a complete probe and cross assembly add a suffix of -C to the end of the part number.
2. **A** Range Temp Compensation = 32-140°F (0-60°C) **B** Range Temp Comp = 32-212°F (0-100°C)

pH Replacement Probes

PE-21	Flat Surface, PVC quick release,10’ lead	100 PSI (6.8 bar) @ 140°F (60°C)
PE-21SS	Double Junction, SS body, ½” MNPT	200 PSI (13.8 bar) @ 180°F (82.2°C)
PE-11	Low ionic pH 10’ lead	50 PSI (3.4 bar) @ 180°F (82.2°C)
PE-21CS	Corp-stop pH sensor assembly, 1” FNPT	100 PSI (6.8 bar) @ 165°F (73.8°C)

ORP Replacement Probes

OE-21	Flat surface, PVC quick release, 10’ lead	100 PSI (6.8 bar) @ 140°F (60°C)
OE-21SS	Double junction, SS body, ½” MNPT	200 PSI (13.8 bar) @ 180°F (82.2°C)
OE-11	Low ionic, ORP, 10’ lead, ½” MNPT	50 PSI (3.4 bar) @ 180°F (82.2°C)
OE-21CS	Corp-stop ORP sensor assembly, 1” FNPT	100 PSI (6.8 bar) @ 180°F (82.2°C)

Temperature Only Replacement Probes

TC-1	Thermistor temperature probe, 5 K ohm, PVC quick release	120 PSI (8.2 bar) @ 125°F (51.6°C)

Plumbing Parts

BL-1	1” Non-Clear Basket Strainer (20 mesh screen)
BL-1-CL	1” Clear Basket Strainer
BL-3/4-BLK	¾” Non-Clear Plastic Basket Strainer (20 mesh screen)
BL-3/4-BOWL	Bowl for BL-¾
BL-3/4-GASKET	Gasket for BL-¾
BL-3/4-SCREEN	Strainer screen for BL-¾
BL-1-TOOL	BL-1 strainer bowl threading tool
FH-10-075	10” Filter housing ¾” FNPT
GV-3/4	¾” (200 PSI) Brass Ball Valve
PTS-3/4	¾” Plastic Basket Strainer / Flushable
PTS-1.5	1-½” Plastic Basket Strainer / Flushable
TU-3/4	¾” True Union PVC Ball Valve
TU-1	1” True Union PVC Ball Valve
Y STRAINER	¾” Black Iron 20 Mesh Screen
YP-3/4	¾” poly Y strainer, flushable (add -SP for flush valve)

pH & ORP Probe Parts

BNC-ADPT	BNC to two-wire adaptor for pH/ORP probes
BNC-CONN	BNC connector for side of enclosure to system card
E-30-PH	O-ring
FC-50P	½” MNPT gland for PE-11 probe
DPE	Tank Mounted pH/ORP Probe Assembly (less probe), 4’ long
PE-NUT	Probe Assembly Nut
PH-CAP-PACK	6 solution caps for PE/OE-21 probes
PH-EXT-10	pH Cable Extension, 10 feet
PH-EXT-50	pH Cable Extension, 50 feet
RTP-3	pH Transmitter with Power Supply and Multiple Wire Connections
RTP-4	pH Transmitter with replaceable batteries and 2 wire output
T-ADAPT	Quick disconnect pH/ORP probe opening to 1” slip adaptor
WIRE-1-GRN-20	Solution reference wire and connector for pH/ORP, 20'

Miscellaneous PVC Quick Release Probe Assembly Parts

3/4 MNPT-KIT	2 PVC nipples, ¾” male slip on one end and ¾” male thread on the other end
T-3	Tee Only
T-3-CPV	CPVC Tee Only
PLUG-T3	Plug for T-3 tee complete with nut, O-ring and plug
MW-T-3	Single Probe Tee with ¾” MNPT on one end and ¾” slip on the other
MW-T-3-2	Dual Probe Tee assembly with ¾” MNPT on one end and ¾” slip on the other
INJ-COL	Injection tee collar
CAL-T3	Quick release ¾” PVC tee plugged for holding calibration solution
PORT-T3-1/4	¼" FNPT port for T-3, complete with O-ring and nut

Build a Replacement Flow Assembly (Probes not Included)

FS-

- **B1** Flow Switch Tee with Sample Tee Body
- **B2** Add One Probe Tee
- **B3** Add Two Probe Tees
- **B6** Add Three Probe Tees

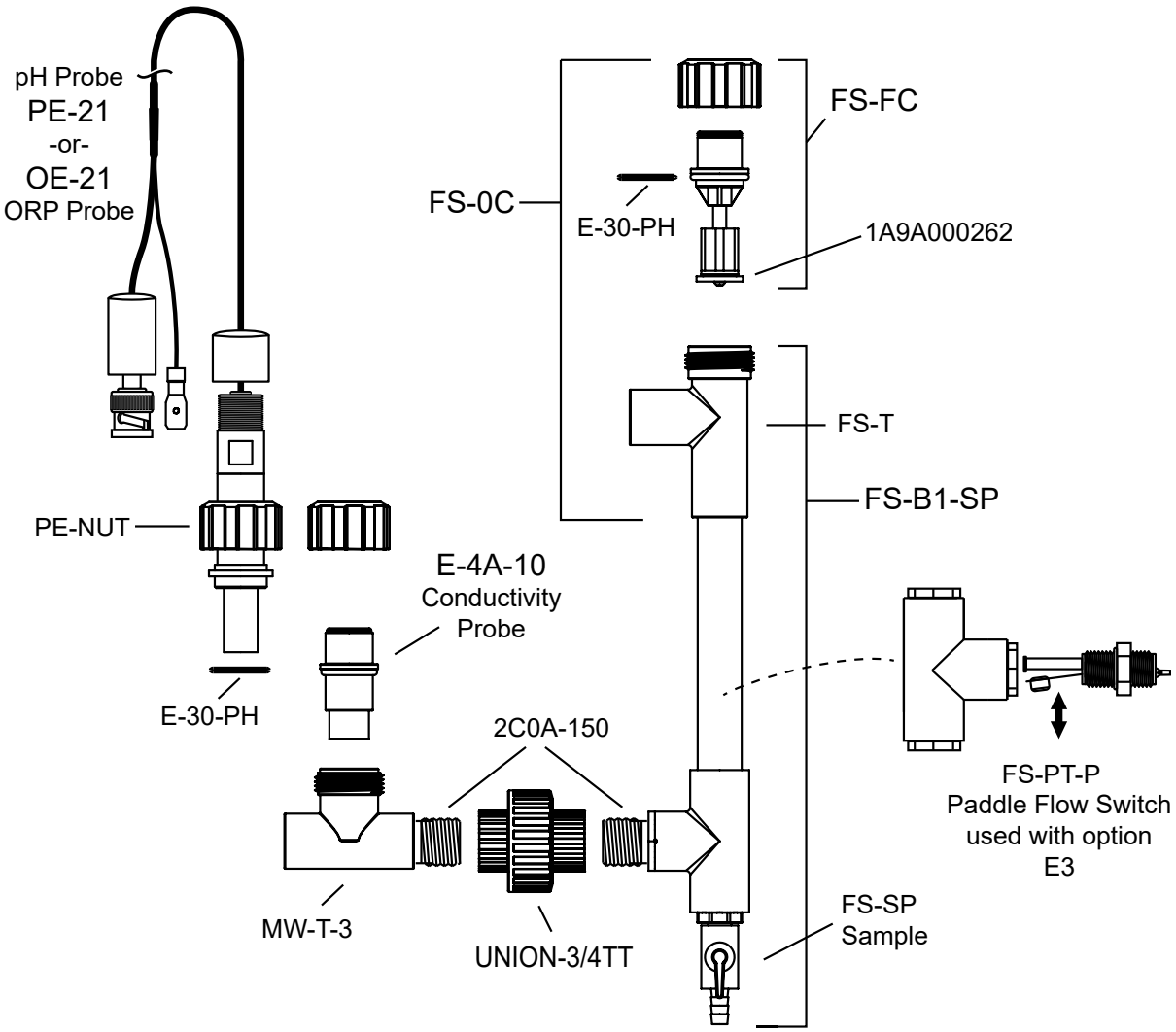
- **0C** - Add Complete Flow Switch Cap and Plunger
- **0C-P** Add paddle style flow switch and 1” PVC tee
- **0C-I** Add Flow indicator with switch

- **SP** - Add Plastic Sample Cock

- **J1** - Add 1 Injection Tee Assembly
- **J2**- Add 2 Injection Tee Assemblies
- **J3** - Add 3 Injection Tee Assemblies
- **J4** - Add 4 Injection Tee Assemblies

U - Unassembled

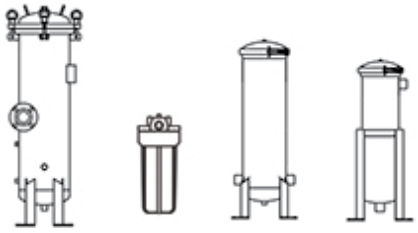
FS- B2 - 0C - SP - J4



Flow Assembly Parts

FS-C2	Dual reed switch flow switch
FS-F2	Flow Switch - Gray Plunger and Magnet
FS-FC	Flow Switch, PVC cap, reed switch, plunger, O-rings and float
FS-SP	Sample Ball Valve - PVC
FS-T	Flow Switch - Clear PVC Tee (add G to get Gray)
FS-0C	Complete Clear Flow Switch Assembly (add G to get Gray)
FS-B1-SP	Flow switch and sample tee section
E-30	O-ring for older quick release probes
E-30-PH	O-ring for flow switch and quick release probes
T-3	Probe Tee with ¾" PVC slip connections in and out
T-3E	¾" Tee With Sample Port
MW-T-3	Single Probe Tee with ¾" MNPT on one end and ¾" slip on the other
MW-T-3-2	Dual Probe Tee assembly with ¾" MNPT on one end and ¾" slip on the other
MW-T-3-3	Triple Probe Tee assembly with ¾" MNPT on one end and ¾" slip on the other
2C0A-150	¾" slip to 3/4" MNPT nipple, PVC
UNION-3/4TT	¾" PVC union, FNPT on both sides
FS-HP-075	Flow Switch - High Pressure, Brass, 250 PSI @ 220°F, ¾" tee
FS-PT-P	Paddle type flow switch with 1" PVC tee with ¾" reducers; 150 PSI @ 75°F
FS-PT-P1	Paddle type flow switch with 1" PVC tee (no reducers)
FS-PT	Paddle type flow switch (no tee).
FS-LF-P-075	¾" low flow paddle switch with 3/4" PVC slip tee (0.4 GPM on)
FS-PT-CAP	Black cap for FS-PT style flow switches
FS-PT-075	¾" MNPT paddle switch
FS-PT-B-075	¾" MNPT paddle switch with ¾" brass tee
FS-PT-S-075	¾" MNPT paddle switch with ¾" iron tee
1A9A000262	Flow director for new style flow switch
T-FS-PT	1" PVC tee for FS-PT

Filter Housings



SCICLONE Series 304SS Housing with Solid Separation before Jumbo Filter

Part	Description	Ports	Drain	Flow
SC40SB	40 single jumbo filter	2” Flange	¾” FNPT	50 gpm
SC90SB	90 single jumbo filter	2” Flange	¾” FNPT	100 gpm
SC170SB	170 single jumbo filter	2” Flange	¾” FNPT	150 gpm
SC170SB-3	170 x 3 single jumbo filter	4” Flange	1.5” FNPT	450 gpm
SC170SB-4	170 x 4 single jumbo filter	6” Flange	1.5” FNPT	600 gpm

HSBJ Series Jumbo 304 SS Filter Housing with Swing Bolts

HSBJ40	40 single jumbo filter	2” FNPT	1” FNPT	50 gpm
HSBJ90	90 single jumbo filter	2” FNPT	1” FNPT	100 gpm
HSBJ170	170 single jumbo filter	2” FNPT	1” FNPT	150 gpm
HSBJ170SB-3	170 x 3 single jumbo filter	4” FNPT	1.5” FNPT	450 gpm
HSBJ170SB-4	170 x 4 single jumbo filter	6” FNPT	1.5” FNPT	600 gpm

HBCJ Series Jumbo 304 SS Filter Housing with Band Clamp

HBCJ40	40 single jumbo filter	2” FNPT	1” FNPT	50 gpm
HBCJ90	90 single jumbo filter	2” FNPT	1” FNPT	100 gpm
HBCJ170	170 single jumbo filter	2” FNPT	1” FNPT	150 gpm

MRH Series 2.75” Multi Round 304SS Filter Housing with Band Clamp

MRH-410-2BC	4 x 10” single 2.75” filters	2” FNPT	¾” FNPT	28 gpm
MRH-420-2BC	4 x 20” single 2.75” filters	2” FNPT	¾” FNPT	56 gpm
MRH-510-2BC	5 x 10” single 2.75” filters	2” FNPT	¾” FNPT	35 gpm
MRH-520-2BC	5 x 20” single 2.75” filters	2” FNPT	¾” FNPT	70 gpm
MRH-530-2BC	5 x 30” single 2.75” filters	2” FNPT	¾” FNPT	105 gpm
MRH-540-2BC	5 x 40” single 2.75” filters	2” FNPT	¾” FNPT	140 gpm

BF Series Bag Filter Housing 304SS with Adjustable Legs

Part	Description	Ports	Vents	Flow
BF1-304-2NBC	1 x #1 bag, band clamp	2” FNPT	¼” FNPT	90 gpm
BF2-304-2NBC	1 x #2 bag, band clamp	2” FNPT	¼” FNPT	180 gpm
BF1-304-2N	1 x #1 bag, swing bolt	2” FNPT	¼” FNPT	90 gpm
BF2-304-2N	1 x #2 bag, swing bolt	2” FNPT	¼” FNPT	180 gpm

BF Series Bag Filter Housing Carbon Steel with Adjustable Legs

BF1-C-2N	1 x #1 bag, swing bolt	2” FNPT	¼” FNPT	90 gpm
BF2-C-2N	1 x #2 bag, swing bolt	2” FNPT	¼” FNPT	180 gpm

2.5” O.D. Filter Housing 125F AND 100 PSI Max

HF5-10BLBK34PR	10” Blue Body, ¾” Black Rib Cap, PR
HF5-10CLBK34PR	10” Clear Body, ¾” Black Rib Cap, PR
HF5-ORING	O-ring for HF5 Filter Housing
FM-20W	Bracket White, Single HF5

4.5” O.D. Filter Housing 100F and 90 PSI Max

HF45-10BLBK34PR	10” Blue 4.5” Body, ¾” Black Cap, PR
HF45-10CLBK34PR	10” Clear 4.5” Body, Black Cap ¾”, PR
HF45-20BLBK10PR	20” Blue 4.5” Body, 1” Black Cap, PR
HF45-20CLBK10PR	20” Clear 4.5” Body, Black Cap 1” PR
HF45-ORING	O-ring for HF45 Filter Housing
FM-25W	Bracket White, Single HF45 4.5” O.D. Housing

Hot Water Filter Housings

HF5HT-10RDRD34	10” Red plastic, 165°F max, 2.5”x10” filters
HF4510SS-10	10” 304 SS housing, 200°F max, 4.5”x10” filters

Replacement Filters

Polypropylene Bag Filters for BF housings Max Temp 190°F

Part	Description	Micron	Case
BAG1-5M	#1 bag, 7” x 16.5”	5 µ	50 pcs
BAG1-25M	#1 bag, 7” x 16.5”	25 µ	50 pcs
BAG1-50M	#1 bag, 7” x 16.5”	50 µ	50 pcs
BAG1-75M	#1 bag, 7” x 16.5”	75 µ	50 pcs
BAG2-5M	#2 bag, 7” x 32”	5 µ	50 pcs
BAG2-25M	#2 bag, 7” x 32”	25 µ	50 pcs
BAG2-50M	#2 bag, 7” x 32”	50 µ	50 pcs
BAG2-75M	#2 bag, 7” x 32”	75 µ	50 pcs

SPX Series 2.75” Pleated Poly Filters with Poly Core, Max Temp 140°F

SPX-275-1005	2.75” round x 9.75” long	5 µ	40 pcs
SPX-275-1020	2.75” round x 9.75” long	20 µ	40 pcs
SPX-275-1050	2.75” round x 9.75” long	50 µ	40 pcs
SPX-275-19505	2.75” round x 19.5” long	5 µ	20 pcs
SPX-275-19520	2.75” round x 19.5” long	20 µ	20 pcs
SPX-275-19550	2.75” round x 19.5” long	50 µ	20 pcs

SPX Series 4.5” Pleated Poly Filters with Poly Core, Max Temp 140°F

SPX-45-1005	4.5” round x 9.75” long	5 µ	12 pcs
SPX-45-1020	4.5” round x 9.75” long	20 µ	12 pcs
SPX-45-1050	4.5” round x 9.75” long	50 µ	12 pcs
SPX-45-2005	4.5” round x 20” long	5 µ	6 pcs
SPX-45-2020	4.5” round x 20” long	20 µ	6 pcs
SPX-45-2050	4.5” round x 20” long	50 µ	6 pcs

SWX Series 2.5” String Wound Poly Filters with Poly Core, Max Temp 140°F

SWX-25-1005	2.5” round x 10” long	5 µ	40 pcs
SWX-25-1020	2.5” round x 10” long	20 µ	40 pcs
SWX-25-1050	2.5” round x 10” long	50 µ	40 pcs
SWX-25-2005	2.5” round x 20” long	5 µ	20 pcs
SWX-25-2020	2.5” round x 20” long	20 µ	20 pcs
SWX-25-2050	2.5” round x 20” long	50 µ	20 pcs

SWT Series 2.5” String Wound Poly Filters with Tin Core, Max Temp 200°F

SWT-25-1005	2.5” round x 10” long	5 µ	30 pcs
SWT-25-1010	2.5” round x 10” long	10 µ	30 pcs
SWT-25-1020	2.5” round x 10” long	20 µ	30 pcs
SWT-25-1050	2.5” round x 10” long	50 µ	30 pcs
SWT-25-2005	2.5” round x 20” long	5 µ	15 pcs
SWT-25-2020	2.5” round x 20” long	20 µ	15 pcs
SWT-25-2050	2.5” round x 20” long	50 µ	15 pcs

HSC Series Pleated Jumbo Cartridges for Sciclone, HSBJ and HBCJ, Max Temp 140°F

Part	Dimensions	Micron	Rcmd Flow	Max Flow
HSC-40-10	7 ¾” x 9 ⅝”	10 µ	35 gpm	50 gpm
HSC-40-50	7 ¾” x 9 ⅝”	50 µ	35 gpm	50 gpm
HSC-40-100	7 ¾” x 9 ⅝”	100 µ	35 gpm	50 gpm
HSC-90-10	7 ¾” x 19 ½”	10 µ	70 gpm	100 gpm
HSC-90-50	7 ¾” x 19 ½”	50 µ	70 gpm	100 gpm
HSC-90-100	7 ¾” x 19 ½”	100 µ	70 gpm	100 gpm
HSC-170-10	7 ¾” x 30 ¾”	10 µ	105 gpm	150 gpm
HSC-170-50	7 ¾” x 30 ¾”	50 µ	105 gpm	150 gpm
HSC-170-100	7 ¾” x 30 ¾”	100 µ	105 gpm	150 gpm

Accessories

FHK-ISOVALVES	Two 304SS 2” ball valves and 3” long nipples for filter housings with 2” ports
FPTD-100	Two-wire 0-100 psi pressure transducer 4-20 mA out
PG25100B	2.5” pressure gauge, backmount, ¼” MNPT 0-100 psi
PG25160B	2.5” pressure gauge, backmount, ¼” MNPT 0-160 psi
PG25300B	2.5” pressure gauge, backmount, ¼” MNPT 0-300 psi

CellAdvantage (Cell Router & Service)

___ - ___

Router Type

CELLADV-1	Compact router with dual antennas (V)
CELLADV-1A	Compact router with dual antennas (A)
ROUTER-3	Larger enclosure with remote magnetic mount antenna (V)

Prepaid Cell Service

00	No service
12	1 GB/ Month data for 12 months
12S	1 GB/Month data for 12 months with delayed activation (V only)
24	1 GB/Month data for 24 months

Parts

VDATA-12	1 GB/ Month data for 12 months
VDATA-24	1 GB/ Month data for 24 months
R-ROUTER-3	Replacement industrial grade router only; no enclosure
ROUTER-ANTENNA	Replacement magnetic mount antenna for ROUTER-3
ROUTER-SWITCH-4	External Ethernet switch (4-port)

Fluorometer Testers

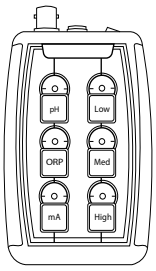
LD2-CHECK-A	Hand held LD2 fluorometer with PTSA optics
SP-350	Handheld tester, PTSA only
SP-380	Handheld tester, PTSA and Fluorescein
SP-400	Handheld tester, PTSA and Conductivity
SP-710	Handheld tester, PTSA, pH, ORP, Cond, Temp, and Total Chlorine
SP-910	Handheld tester, PTSA, Fluorescein and Colorimeter

Handheld Tester

The HanTron series of handheld testers provide accurate conductivity and temperature readings of any water system sample with features normally seen on much more expensive testers including: memory for 20 readings, unit of measure selections, and temperature readings at a price comparable to older analog testers.

HT-3P	Conductivity tester

Handheld Simulator



The HanTron series of handheld signal simulators provide a convenient means of testing and calibrating multiple instrumentation signals, an efficient method for calibrating current loop devices, and simulating high impedance pH & ORP probe signals.

HT-SIM-MOP	Signal simulator for calibrating and testing mA, pH, & ORP inputs

Options

L	Adds mA cable with LD2 connector
P	Adds mA cable with Pyxis connector

Parts

SIM-CABLE-BNC	Replacement BNC cable for simulator
SIM-CABLE-M	Replacement mA output cable for simulator
SIM-CABLE-LD2	Cable for mA output with LD2 connector
SIM-CABLE-PYX	Cable for mA output with 7 pin PYXIS connector

Conductivity Test Plugs

COND-PLUG-T3000	Conductivity test for MegaTron tower cards, 3,000 uS/cm
COND-PLUG-B7800	Conductivity test for boiler non-temp cards, 7,800 uS/cm

Level Alarm & Fill Controllers

ALL-C	Level Controller only (less wand)
FILL-C00	Fill controller only with no level wands
FILL-C35	Fill controller only with 2 wands sized for an Advantage 35-gallon tank
FILL-C55	Fill controller only with 2 wands sized for an Advantage 55-gallon tank

Options

C	240 VAC
E	Extra Output Cord
H	High alarm input on FILL unit with control cut-off & 120 VAC alarm output (no wand)
H1	High alarm on FILL unit with control cut-off & dry contact alarm output (no wand)
S	Switch for Output (ON/OFF)
V	Audible Alarm with Silence Switch, 100 db

Level Wands Only

ALL-S60	Level Wand adjustable to 60” with switch contact 28 VDC 50 mA
ALL-S42	Level Wand adjustable to 42” with switch contact 28 VDC 50 mA
ALL-S30	Level Wand adjustable to 30” with switch contact 28 VDC 50 mA
ALL-S20	Level Wand adjustable to 20” with switch contact 28 VDC 50 mA
ALL-S12	Level Wand adjustable to 12” with switch contact 28 VDC 50 mA

Options

A	CPVC construction instead of PVC
C	Prewire Level Wand to separately ordered MegaTron
D	Level wand ¼” pipe with second liquid tight for suction tubing

Standard Wire Extensions for Conductivity and Flow Sensors

WIRE-2-10C	2 conductor, 10’ extension
WIRE-2-25C	2 conductor, 25’ extension
WIRE-2-50C	2 conductor, 50’ extension
WIRE-2-100C	2 conductor, 100’ extension
WIRE-4-10C	4 conductor, 10’ extension
WIRE-4-25C	4 conductor, 25’ extension
WIRE-4-50C	4 conductor, 50’ extension
WIRE-4-100C	4 conductor, 100’ extension

Add an R to the end of the part number for Molex connection.

Note: Order controller with standard probe wire and the extension(s) desired as a separate line item. The probe wire extension will be added to the controller as a continuous length.

WIRE-2	2 Conductor Cable - 22 AWG
WIRE-3	3 Conductor Cable - 22 AWG
WIRE-4	4 Conductor Cable - 22 AWG
WIRE-DUCT	1” x 1” wire channel duct with cover

CABLE-7P-2	Prewired 2 conductor cable to mA input & 12 VDC power with 7-pin connector, 6’
CABLE-7P-4	Prewired 4 conductor cable to mA input & 12 VDC power with 7-pin connector, 6’
CABLE-7P-2A	Prewired 2 conductor cable to mA input & no voltage & 7-pin connector, 6’
CABLE-7P-EXT25	25’ extension cable with connectors
CABLE-7P-EXT50	50’ extension cable with connectors

Note: Add -15 to the end of CABLE part number for 15’ long cable.

Miscellaneous Controller Parts

BOXFLOWCLIP-1	Flow clip assembly for SS/XS controllers
BOXFLOWCLIP-75	Flow clip assembly for MicroTron, NANO option W and NANO-XL controllers
CORD-POWER	Power Cord -8 foot with plug
CORD-RECPT	8” cord with Molded Receptacle
DOOR	Clear Lexan cover for enclosure (SS, XS, Micro, NANO option W & NANO-XL)
DOOR-Z	Black cover for SS, XS, Micro, NANO-XL & NANO option W Controllers
MICRO-KEYPAD	Replacement keypad for MICRO-C/F4
MG-FUSE-PAK	(5) 2.5 amp fuses (for all MegaTron and MicroTron relay boards)
SS-COVER	Lower cover on SS & XS enclosures
SS-LATCH	Replacement latch for SS, XS, MicroTron, NANO option W and analog units
1A0A000078	MG/SS battery
1A1T000084	Micro and NANO battery
1A5B000337	Relay output Fuse 5 x 20 MM, 5 AMP for NanoTron units
1A9A000017	⅜” liquid tight
1A9A000243A	⅜” liquid tight to ½” FNPT conduit

MegaTron Parts

MG-RL-CPLR	Relay card ribbon cable to wire cable adapter inside controller
MG-RL-CPLR-EXT	Relay card adapter for remote relay box
MG-PROGCHIP	MegaTron Program chip
MG-KEYPAD ASM	Keypad and display panel assembly (no display)
MG-DISPLAY ASM	Display panel assembly complete with keypad
MG-DISPLAY ASMV1	Display panel assembly complete with keypad (older motherboards)
MG-DOOR	Clear cover
MG-FUSE-PAK	(5) 2.5-amp fuses
MG-ICM-01	Internet communications card
MG-CAT5	CAT 5 cable from internal communications card
MG-SYS-	System card
	Add all the desired system function codes from the unit model numbering system.

Miscellaneous

CIRC-075	¾” Circ pump; 4 GPM, 120 VAC prewired
CIRC-075-SS	¾” Circ pump stainless steel; 10 GPM, 100 PSI, 120 VAC prewired
CLAMP-ASM-3/4A	Adjustable pipe clamp assembly with bolts and t-nuts
CLIP-3/4-ASM	¾” pipe mounting C clip with base
CLIP-1-ASM	1” pipe mounting C clip with base
KEY-FE3	Replacement key for FE3 cabinet
MA-LOOP-ISO-1	4-20mA loop isolator
MICRO-BOX	New style MicroTron box with clear cover
MINI-BUZZ	Alarm buzzer in mini box with plug in transformer, 100 db
MS-001	Motor Starter, 25 Amp Relay, conduit connections
MS-002	Motor Starter, 25 Amp Relay, prewired (2 male, 1 female, 13-amp cords)
MS-003	25-amp relay box, 120 prewired input with 2 wire dry contact output
MS-003-001	Mounts a MS-003 on poly with separately ordered NANO-F2
NANO-BOX-3	Nanotron style box with cover and 3 liquid tights ⅜”
P6MC4	¼” MNPT to ⅜” tubing, straight
SS-MIDSECTION	Middle section of SS & XS enclosure
1A9A000015	½” liquid tight
1G1F000087	20-amp relay, 230 VAC
1G1F000105	25-amp relay
1M1P000043	120 VAC plugin AC adapter; 24 VDC out
1P1P000219	Relay output Fuse 5 x 20 mm, 2.5 AMP slow blow
2C4A000051	Poly reducer ½ MNPT to ¼ FNPT
MULTI-BOX-LID	Clear replacement lid for MULT, FLOW and PUMP-BOX
MULTI-BOX-LID-B	Black replacement lid for MULT, FLOW and PUMP-BOX

Repair Options and Fees

Advantage Controls is proud to offer a two-year warranty on all MegaTron, MicroTron, NanoTron controllers and MicroTron and MicroLinx metering pumps. Accessory items including coupon racks, pre-fabs, glycol feeders, by-pass feeders, and valves are covered for one year. If you need help with an out-of-warranty item, call our technical support staff at 918-686-6211 with the model, serial number, and problem experienced with your unit while in front of the unit. If we are unable to fix the unit through troubleshooting, an RMA number to send the unit in can be provided when a PO# is issued for the repair charges according to the table below. Any required sensors, flow switch, plumbing, or liquid ends are not included in the base repair charge and will be billed separately as needed.

HT-3P
Analog Timers, Liquid Level and Flow Controllers
MicroTron Controllers (with 1 or less probe inputs)
MegaTron MG
MegaTron MT
MegaTron XS
NanoTron timer only
NanoTron (1 sensor input)
Pumps (does not include liquid-end parts)

These prices apply to the majority of repairs, but will not include extraordinary damage, such as a destroyed enclosure or electronics damaged by water, fire or lightning.

Service Call

Consult factory for more details.

Manufacturer's Product Warranty

Advantage Controls warrants controller and metering pumps of its manufacture to be free of defects in material or workmanship. Liability under this policy extends for 24 months from date of installation. Warranty coverage of parts, accessories, plumbing, sensors, and any item not manufactured by Advantage Controls is limited to 12 months. Liability is limited to repair or replacement of any failed equipment or part proven defective in material or workmanship upon manufacturer's examination. Removal and installation costs are not included under this warranty. Manufacturer's liability shall never exceed the selling price of equipment or part in question. Advantage disclaims all liability for damage caused by its products by improper installation, maintenance, use or attempts to operate products beyond their intended functionality, intentionally or otherwise, or any unauthorized repair. Advantage is not responsible for damages, injuries or expense incurred through the use of its products. The above warranty is in lieu of other warranties, either expressed or implied. No agent of ours is authorized to provide any warranty other than the above.

30 Day Billing Memo Policy

Advantage Controls maintains a unique factory exchange program for customers to ensure uninterrupted service with minimum downtime. If your MegaTron, MicroTron or NanoTron controller, or MicroTron or MicroLinx pump malfunctions, call 1-918-686-6211 and provide our technician with Model and Serial Number information while in front of the unit. If they are unable to diagnose and solve your problem over the phone, a replacement unit or part can be shipped on a 30-Day Billing Memo. This service requires a purchase order and/or credit card to charge, and the replacement unit is billed to your regular account for payment.

The replacement item will be billed at current list price for that model less any applicable resale discount. Upon return of your old unit, credit will be issued to your account if the unit is in warranty. If the unit is out of warranty or the damage not covered, a partial credit will be applied based upon a prorated replacement price schedule dependent on the age of the unit. Any exchange covers only the controller or pump and exchanged items are covered by the original warranty or 12 months from date exchange (whichever is longer). Electrodes and other parts and accessories are not included in any warranty period.

For information, please visit:
https://www.advantagecontrols.com/

Get the Advantage in Water Treatment Equipment!

Advantage Controls can give you the *Advantage* in products, knowledge and support on all of your water treatment equipment needs.

- Cooling Tower Controllers
- Boiler Blow Down Controllers
- Blow Down Valve Packages
- Solenoid Valves
- Water Meters
- Chemical Metering Pumps
- Corrosion Coupon Racks
- Chemical Solution Tanks
- Solid Feed Systems
- Feed Timers
- Filter Equipment
- Glycol Feed Systems
- Pre Fabricated Systems