



**2020**

# **Pump Catalog**

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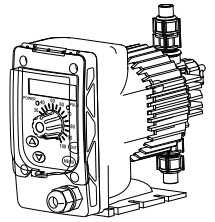
# MicroTron Electronic Chemical Metering Pump

All MicroTron metering pumps now come standard with Kynar/Teflon liquid ends.

## Series A

Includes a 1 X 16 backlit LCD, on/off & stroke indicator LED, keypad and dust cover.

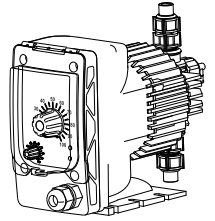
<b>A145X1-KFCV</b>	75 PSI	75 PSI (5.1 bar) / 45 GPD (7.07 LPH)
<b>A130X1-KFCV</b>	110 PSI	110 PSI (7.5 bar) / 30 GPD (4.73 LPH)
<b>A115X1-KFCV</b>	150 PSI	150 PSI (10.3 bar) / 15 GPD (2.36 LPH)
<b>A217X1-KFC2</b>	250 PSI	250 PSI (17.2 bar) / 17 GPD (2.68 LPH)



## Series B

Series B pumps come standard with a rotary encoder switch to allow exact stroke speed setting of pumps, on/off indicator light, stroke indicator light and panel dust cover.

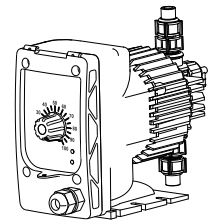
<b>B145X1-KFCV</b>	75 PSI	75 PSI (5.1 bar) / 45 GPD (7.07 LPH)
<b>B130X1-KFCV</b>	110 PSI	110 PSI (7.5 bar) / 30 GPD (4.73 LPH)
<b>B115X1-KFCV</b>	150 PSI	150 PSI (10.3 bar) / 15 GPD (2.36 LPH)
<b>B217X1-KFC2</b>	250 PSI	250 PSI (17.2 bar) / 17 GPD (2.68 LPH)



## Series C

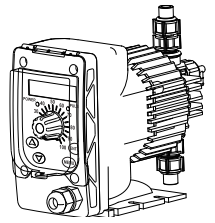
Series C pumps feature adjustable stroke length with fixed speed, 10:1 turndown.

PSI	110	110	110	110	110	250	250	250	250	250
GPD	30	20	15	10	5	17	15	10	5	2
MODEL	<b>C130</b>	<b>C120</b>	<b>C115</b>	<b>C110</b>	<b>C105</b>	<b>C217</b>	<b>C215</b>	<b>C210</b>	<b>C205</b>	<b>C202</b>



## Series R

Series R controller/pump combination units come standard with a 1 X 16 backlit LCD readout, on/off light, stroke indicator light, 5 amp fused relay output and panel dust cover.



- RC** Conductivity Feed & Bleed (no feed timer)
- RD** Conductivity Bleed with Selectable Feed Timer (pulse, %, limit or 28-day)
- RT** Dual Selectable Timer (pulse, %, 28-day)
- RP** pH controlled with alarm relay output
- RO** ORP controlled with alarm relay output

### Output Options.

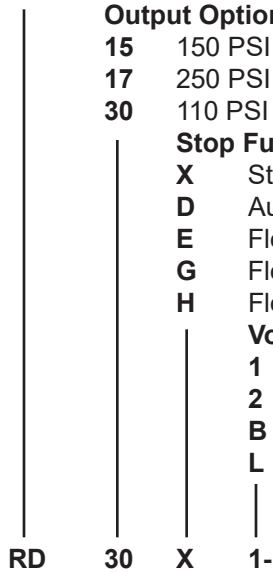
- 15** 150 PSI (10.3 bar) / 15 GPD (2.36 LPH)
- 17** 250 PSI (17.2 bar) / 17 GPD (2.68 LPH)
- 30** 110 PSI (7.5 bar) / 30 GPD (4.73 LPH)

### Stop Function Options

- X** Standard
- D** Auto Stop Input with 8' Cord
- E** Flow Switch Assembly with 8' Cord
- G** Flow Switch only with 8' Cord
- H** Flow Switch Unassembled

### Voltage Options

- 1** (Standard) 120 Volt USA Plug
- 2** 240 Volt
- B** 120 Volt N.C. Relay for bleed lockout (RT only)
- L** 120 Volt USA Plug with no Control Relay or Pigtail



\*See liquid end options on selection 4 of the next page.

# Build your own Model ..... Model Example: A130X1-KFCV-4ES

SELECTION 1: **A 1 3 0** - - - - - **MODEL and OUTPUT**

	PSI	75	110	250	150	110	250	110	250	110	250	110	250
	bar	5.1	7.5	17.2	10.3	7.5	17.2	7.5	17.2	7.5	17.2	7.5	17.2
	GPD	45	30	17	15	20	15	15	10	5	2	10	5
MODEL	LPH	7.07	4.73	2.68	2.36	3.15	2.36	2.36	1.57	0.78	0.31	1.57	0.78
<b>A</b>		<b>A145</b>	<b>A130</b>	<b>A217</b>	<b>A115</b>								
<b>B</b>		<b>B145</b>	<b>B130</b>	<b>B217</b>	<b>B115</b>								
<b>C</b>			<b>C130</b>	<b>C217</b>		<b>C120</b>	<b>C215</b>	<b>C115</b>	<b>C210</b>	<b>C105</b>	<b>C202</b>	<b>C110</b>	<b>C205</b>

SELECTION 2: **X** - - - - - **CONTROL OPTIONS**

CODE		SERIES
<b>X</b>	(Standard) Control	A, B, C
<b>D</b>	Dual Output 10-50 SPH or 125 SPM	B
<b>E</b>	External Pace	B
<b>F</b>	Hall Effect flow meter input (divides by 9)	B
<b>L</b>	Limit Timer	B
<b>M</b>	4-20 mA Input	A
<b>T</b>	Selectable Pulse, %, or 28-Day Biocide Timer (Add option H in SELECTION 5 if using paddlewheel)	A

SELECTION 3: **1** - - - - - **VOLTAGE**

CODE	
<b>1</b>	(Standard) 120 Volt USA plug, 5.5' long
<b>2</b>	240 No plug
<b>3</b>	240 South American plug
<b>4</b>	12 Volt DC (60 PSI max; Output not affected; Includes ON/OFF switch)
<b>5</b>	240 Volt USA plug
<b>6</b>	240 Volt Korean plug / 60 cycle
<b>7</b>	240 Volt Australian plug

SELECTION 4: **K F C V** - - - - - **LIQUID END**

<b>Head and Fittings</b>	<b>Connection</b>
<b>K</b> = Kynar (PVDF)	<b>1</b> = 3/8" Tubing for 75-200 PSI
<b>M</b> = Kynar Head w/ SS MNPT Valves*	<b>2</b> = 1/4" Tubing for 250 PSI
<b>S</b> = 316SS*	<b>K</b> = Kynar suct / disch tubing
<b>D</b> = Kynar Degassing	<b>P</b> = 1/4" MNPT
<b>Seat and O-Rings</b>	<b>Q</b> = 1/4" MNPT disch / 1/4" FNPT suc
<b>F</b> = Teflon (PTFE)	<b>R</b> = 1/4" FNPT
<b>H</b> = Hypalon (CSPE)	<b>U</b> = 3/8" Black UV resistant
<b>V</b> = Viton (FKM)	<b>V</b> = Clear vinyl 3/8" suct tubing
	<b>Check Ball</b>
	<b>C</b> = Ceramic
	<b>D</b> = Ceramic (single on discharge)
	<b>S</b> = Stainless

\* M and S options require P connection code and do not include tubing, foot, or injection fittings.

In Section 5, if no special options are required this section can be left off. When picking options, up to three selections can be made: (Example: 4ES). For models with more than three options, consult factory.

**SELECTION 5:** \_\_\_\_\_ - \_\_\_\_\_ - **4 E S** **SPECIAL OPTIONS**

CODE	SPECIAL OPTIONS	SERIES
4	Blue Housing	All
5	Green Housing	All
6	Conformal Coating	All
01	Tank Mount Conductivity Probe (DC-4A)	RC, RD
02	Tank Mount pH Probe	RP
03	Tank Mount ORP Probe	RO
04	Boiler Probe BE-32 in place of TE-4A	RC, RD
07	TE-4ASS-8	RC, RD
08	AH-4ASS-8	RC, RD
09	PE-11	RP
10	PE-21SS	RP
12	Momentary Toggle Switch for WM Input	A & R
13	OE-21SS	RO
14	External Fuse	All
15	AH-2SS-10	RC, RD
17	Adds 1/4" FNPT to 3/8" poly tubing adapters	All
C	Dust Cover (Series C only)	C
E	External Stop	A, B, C
F3	FloTracker input only, no sensor	A & R
H	3-Wire Input for Paddlewheel Sensor (5 VDC)	A & R
N	4-20 mA Output Isolated (requires power)	RD, RO, RP
P	ON/OFF Power Switch	All
R	Remove Stroke Adjust	All
S	3-Function Valve (25 lbs load, anti-siphon & check)	All (K head only)
V	Pulse Output	A
W	Dry Contact with Pump On	A

**Chemical Compatibility**

When building the liquid end portion of a pump model it is critical that the materials selected are compatible with the product to be pumped. Listed below are some common chemicals and recommended liquid end codes.

Example: Sodium Hypochlorite (chlorine) A130X1-KVCV

Chemical	Code
ACETIC ACID, 5-10%	KHC
ALUMINUM SULFATE 'alum'	KHC
AMINES, 0 - 35%	KFC
AMINES, > 40%	SFS
AMMONIA, 10%	KHC
BROMINE	KFC
CALCIUM HYPOCHLORITE	KVC
DBNPA	KFC
ETHYLENE GLYCOL	KFC
FERRIC CHLORIDE	KFC
FERRIC SULFATE	KFC
GLUTARALDEHYDE	KFC
HYDROCHLORIC ACID, 0 - 37%	KFC
HYDROGEN PEROXIDE, 0 - 30%	KVC
INHIBITING PHOSPHONATES	KFC
ISOTHIAZOLINE	KFC

Chemical	Code
NITRIC ACID, 0 - 20%	KVC
PHOSPHORIC ACID, 0 - 100%	KFC
POTASSIUM CHLORIDE	KFC
SODIUM BI-CARBONATE 'soda ash'	KFC
SODIUM BI-SULFATE	KFC
SODIUM BI-SULFITE	KFC
SODIUM BROMIDE	KFC
SODIUM CARBONATE	KFC
SODIUM HYDROXIDE, 'caustic', 0 - 50%	KHC
SODIUM HYPOCHLORITE	KVC
SODIUM NITRATE	KFC
SODIUM SILICATE	KHC
SODIUM SULFATE	KHC
SODIUM SULFIDEa	KHC
SULFURIC ACID, 10 - 75%	KFC
SULFURIC ACID, 95 - 100%	KFC

## Spare Part Assemblies

Getting the right materials for your spare parts is easy using the liquid end portion of your pump's model number; example: B130X1-KFCV. Find the assembly needed and add the four digit code of the liquid end after the standard prefix part number for the assembly.

## Complete Head Kits

Complete head kits include the pump head, priming valve, head screws, suction and discharge valves complete with tubing nuts, all seals and diaphragm.

**Note:** Use a **K** for any pump with **P** or **V** liquid end body; i.e. B130X1-PFCV

Description		Part Number	
Kits for 110 PSI models .....		<b>CKR-1-</b>	____
Kits for 150 PSI models .....		<b>CKR-15-</b>	____
Kits for 250 PSI models .....		<b>CKR-2-</b>	____

<b>Body</b>		<b>Seat</b>		<b>Ball</b>		<b>Connection</b>
K —	S —	F —	C —	1 —	P —	
M —	D —	H —	D —	2 —	Q —	
		V —			R —	

## Paddlewheel Flow Meter

Description	Part Number
Paddlewheel Flow Meter (Kynar body, viton o-ring) .....	<b>FLT-BKVC1</b> ..... <b>No substitutions</b>

## Individual Assemblies

Description	Part Number
Injection Valve Assembly .....	<b>INJ- K</b> _____
Foot Valve Assembly .....	<b>FTV- K</b> _____
Suction Valve Assembly .....	<b>SUC-</b> _____
Discharge Valve Assembly .....	<b>DIS-</b> _____
Pressure Relief/Discharge Valve .....	<b>PRDIS- K</b> _____
Degassing Valve Assembly .....	<b>DEGAS- K F</b> ..... <b>No substitutions</b>
3-Function Valve Assembly .....	<b>3FV- K</b> _____
Priming Valve Assembly .....	<b>PRI- K F</b> ..... <b>No substitutions</b>
Accessory Kit Assembly .....	<b>ACC- K</b> _____
Ball Check Kit (6 ball checks) .....	<b>BLK- K</b> _____ <b>1</b>

<b>Body</b>		<b>Seat</b>		<b>Ball</b>		<b>Connection</b>
K —	F —	C —	1 —	K —		
S —	H —	D —	2 —	P —		
	V —	O —		R —		
		S —		V —		

**Note:** Accessory kit assembly part number **ACC-** includes the injection valve, foot valve, tubing weight and all tubing for the pump liquid end code selected.

# Miscellaneous Pump Parts

## Ball Check Cartridge Assembly

<b>R03603</b>	Kynar / Viton
<b>R03605</b>	Kynar / Viton with priming hole

## Replacement Tubing per Foot

Add -100 suffix to part # for 100' roll)

<b>R00097</b>	PE 1/4" (.25) OD / 1/8" (.125) ID / LDPE	<b>-100</b>	300 PSI / 20.6 bar @ 73°F (22°C)
<b>R00267</b>	PE 1/4" (.25) OD / 1/8" (.125) ID / HDPE	<b>-100</b>	400 PSI / 27.5 bar @ 73°F (22°C)
<b>R00122</b>	PE 3/8" (.375) OD / 1/4" (.25) ID / LDPE	<b>-100</b>	200 PSI / 13.7 bar @ 73°F (22°C)
<b>R00151</b>	PE Blk UV resist 3/8" (.375) OD / 1/4" (.25) ID	<b>-100</b>	200 PSI / 13.7 bar @ 73°F (22°C)
<b>R00167</b>	PE Blk UV resist 1/4" (.25) OD / 1/8" (.125) ID	<b>-100</b>	300 PSI / 20.6 bar @ 73°F (22°C)
<b>R00255</b>	Clear Vinyl 3/8" (.375) OD / 1/4" (.25) ID	<b>-100</b>	Suction / Prime only
<b>R00268</b>	PVDF 3/8" (.375) OD / 1/4" (.25) ID	<b>N/A</b>	250 PSI / 17.2 bar @ 73°F (22°C)

## Additional Parts

<b>R00125</b>	Head, Kynar large (30 & 45 GPD)	<b>R03061</b>	Stroke shaft assembly
<b>R00126</b>	Head, Kynar small (15 & 17 GPD)	<b>R00065</b>	Speed knob
<b>R00006</b>	Diaphragm, small (15 & 17 GPD)	<b>R00138</b>	Cap plug #2 for valve
<b>R00007</b>	Diaphragm, large (30 & 45 GPD)	<b>R00139</b>	Weight for tubing ceramic
<b>R00068</b>	Ring, support small diaphragm	<b>R00141</b>	Circuit board to panel washer, nylon
<b>R00069</b>	Ring, support large diaphragm	<b>R00142</b>	Power cord with US plug 120VAC
<b>R00129</b>	Tubing nut Kynar	<b>R00150</b>	Power cord, South America
<b>R00108K</b>	1/4" tubing adaptor Kynar	<b>R00153</b>	Fuse, 3 amp fast-blow
<b>R00043</b>	Clear pump cover	<b>R00154</b>	O-ring speed adjust shaft
<b>R00045</b>	Screw, pump head	<b>R00317</b>	Liquid tight connector
<b>R00047</b>	Screw, panel	<b>R00226</b>	Spring, valve check SS
<b>R00050</b>	Seal, solenoid through housing	<b>R00282</b>	Power cord with US plug 240 VAC
<b>R00041</b>	Coil mounting isoplast bracket	<b>R00204</b>	SS valve body, 1/4" MNPT
<b>R03212</b>	Stroke knob assembly	<b>R00324</b>	SS head T style (.5 diaphragm)
<b>DIA-KIT9</b>	Large diaphragm, support ring & seal	<b>R00203</b>	SS head S style (.5 diaphragm)
<b>DIA-KIT5</b>	Small diaphragm, support ring & seal	<b>R00203A</b>	SS head S style (.9 diaphragm)

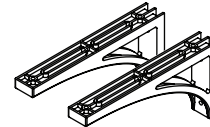
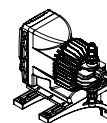
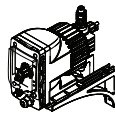
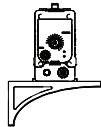
## Injection Accessories

<b>A3J6</b>	3" Injection Quill 316 SS, 1/2" MNPT out, 1/2" FNPT in
<b>A6J6</b>	6" Injection Quill 316 SS, 1/2" MNPT out, 1/2" FNPT in
<b>ACJC</b>	PVC Corporation Stop Injection Nozzle 3/4" FNPT out, 1/2" FNPT in
<b>ACJC4</b>	316 SS Corporation Stop 3/4" MNPT out, 1/2" FNPT in, 100 PSI
<b>R00325</b>	1/4" MNPT SS check valve
<b>CKV-1/2-SS</b>	Check Valve 1/2" 304 SS
<b>INJ-1</b>	3/4" Quick Release Injection Tee with 1/2" FNPT for injector
<b>INJ-11</b>	1" slip schedule 80 PVC injection tee with quick release injection point 1/2" FNPT
<b>INJ-11-CPVC</b>	1" slip CPVC injection tee with 1/2" FNPT port
<b>INJ-2</b>	2 Stage Injection Manifold
<b>INJ-3</b>	3 Stage Injection Manifold
<b>INJ-4</b>	4 Stage Injection Manifold
<b>INJ-COL</b>	Injection Collar
<b>SM-7</b>	7 Stage Static Mixer, 3/4" FNPT union connections
<b>SM-14</b>	14 Stage Static Mixer 3/4" FNPT union connections
<b>SM-14-1</b>	14 Stage Static Mixer 1" FNPT union connections
<b>SM-14-1P</b>	14 Stage Static Mixer 1" FNPT union connections (non-clear)

## Pump Accessories

### Agitators

<b>FMA-1/20-B</b>	120 VAC, 1/20 HP 2" bung mount mixer, prewired, 36" shaft
<b>FMA-1/20</b>	120 VAC, 1/20 HP flange mount mixer, prewired, 36" shaft
<b>Option</b>	
<b>PRP</b>	Propeller instead of impeller



### Pump Mounting Accessories

<b>PUMP-BRACKET</b>	Universal plastic pump mounting bracket kit & hardware
<b>PMS-02</b>	Plastic Mounting shelf for 2 Pumps
<b>PMS-03</b>	Plastic Mounting shelf for 3 Pumps
<b>PMS-04</b>	Plastic Mounting shelf for 4 Pumps

#### PMS Options

<b>B</b>	Mounts shelf to 18" tall poly board
<b>N</b>	No mounting holes
<b>P1</b>	Pulsafeeder A+ pump pattern (only with -S option)
<b>S</b>	Stainless steel brackets
<b>U</b>	1/2" blue poly

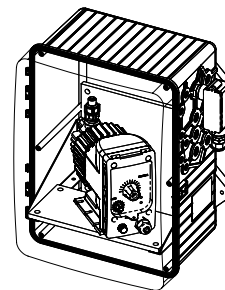
### Pump Enclosure

The Advantage PUMP-BOX is an ABS plastic enclosure (14.25" H x 10" W x 7.5" D) with clear lockable cover, pump shelf, power connection, inlet and outlet tubing liquid tights and more.

#### PUMP-BOX

##### Options

<b>A</b>	No external male power cord
<b>B</b>	Black cover
<b>L</b>	Leak detection sensor assembly
<b>M</b>	Mount separately ordered pump in box
<b>M1</b>	Mount customer supplied pump in box



### Polymer Feed Stands

Unit is constructed of corrosion resistant plastic and includes: 3/4" PVC sample stream, inlet valve, flow indicator (1-10 GPM), back check valve, chemical injection point, and static mixer.

<b>PFS-01</b>	Stand alone single mixer and flow indicator + pump mount area
<b>PFS-04</b>	Wall mount poly panel with 4 mixers and 2 flow indicators

##### Options

<b>A</b>	Omit Sample Stream (PFS-01 only)
<b>B</b>	Antisiphon back pressure valve
<b>D</b>	500 cc draw down column
<b>F</b>	Flow Controller, mounted complete with flow switch in the sample line
<b>G</b>	Flow Switch only, no controller
<b>L</b>	Flow indicator for low flow, 0.1 to 1.0 GPM instead of standard 1-10 GPM
<b>L2</b>	1" flow assembly with 2-20 GPM (PFS-01 only)
<b>L3</b>	3/4" CPVC flow assembly with brass fitting flow indicator (PFS-01 only)
<b>W</b>	Metal stand for PFS-04
<b>V</b>	Gate Valve on outlet

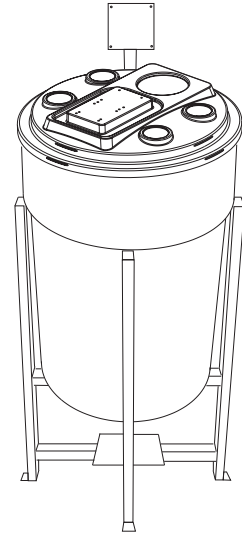


# APT Tank Stand Packages

APT polyethylene tank packages provide a rugged pre-packaged chemical feed tank assembly you can customize to your specifications.

The standard models include a powder coated steel frame with pump mounting base, polyethylene tank and rigid heavy duty lid. We can also make custom sizes and configurations.

**Model numbers must include a selection from all sections except Accessories** (example: APT-50-1X-X)



## Model Number

APT- - - -

### Tank Size

- 30** = 34 gallon polyethylene tank with cover
- 50** = 55 gallon polyethylene tank with cover
- 70** = 70 gallon polyethylene tank with cover
- 100** = 100 gallon polyethylene tank with cover

### Piping Assembly

- 1** = One pump piping assembly with bulkhead and shut-off
- 2** = Two pump piping assemblies with bulkhead and shut-off
- 3** = One pump piping assembly, bulkhead with 1" riser
- X** = No piping

### Pump Mounting

- P** = Indicates specified pumps to be premounted
- X** = No pumps mounted

### Mixer Mounting

- A** = Indicates specified mixer to be mounted
- B** = 1/20 HP bung mount mixer
- X** = No Agitator

### Accessories

- B** = Mounting bracket for mixer (Needed if option A selected under Mixer Mounting)
- C** = Indicates specified controller to be mounted
- D** = 5" pop out plug in lid
- E** = Add for 2" bung fittings and plugs to lid
- F** = 3/4" PPL fill connection in lid
- R** = Rigid suction wand
- S** = Make-up water solenoid; PVC plumbing 1/2"
- U** = Partially assembled to ship via UPS/FedEX
- V** = Make-up water plumbing with gate valve 1/2"

With no agitator or any accessories, model number can stop after the pump mounting selection.

**Note:** The mixer mounting bracket option is not needed if a small (1/20 HP) flange mixer is being used.

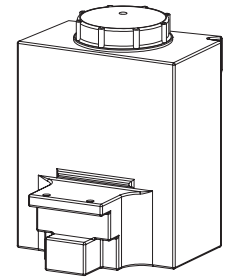
# Polyethylene Tanks

**ATS-5** 5 gallon (18.9 L) polyethylene tank with vented threaded lid and Advantage Controls pump mounting shelf.

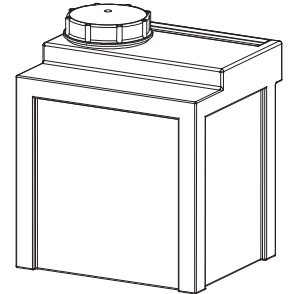
**ATS-10** 10 gallon (37.8 L) polyethylene tank with vented threaded lid pump mounts to top with option P1

## Options for ATS tanks

- B1** Bulkhead fitting for 3/8" tubing mounted
- B2** Bulkhead fitting for 1/4" tubing mounted
- C** Controller mounting bracket instead of pump on tank front
- D1** Bulkhead fitting with shut-off valve for 3/8" tubing
- D2** Bulkhead fitting with shut-off valve for 1/4" tubing
- F** Flat top with 2" bung
- L** 2" bung for level wand
- M** Premount pump (ordered separate)
- P** Non Advantage pump adapter for ATS-5
- P1** Pump mounting plate for ATS-10 (mount pump on top of tank)
- S** Drain valve 1/4" NPT
- T** Pump priming tube return fitting for 3/8" tubing
- V** 1/4" solenoid valve with Y-strainer prewired, 8' cord
- W** Stainless steel wall mounting bracket for tank



ATS-5



ATS-10

## APCT Tanks - Single Wall

**APCT-35** 34 gallon (128.7 L) single tank with lid

**APCT-40** 40 gallon (151.4 L) single tank with lid

**APCT-55** 58 gallon (219.5 L) single tank with lid

**APCT-70** 70 gallon (264.9 L) single tank with lid

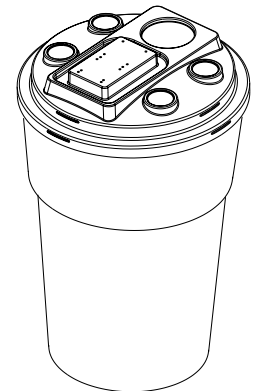
## DCT Tanks- Double Containment Tank Packages

**DCT-30** 34 gallon inner with 40 gallon containment tank and lid

**DCT-55** 58 gallon inner with 70 gallon containment tank and lid

## Options for APCT and DCT Tanks

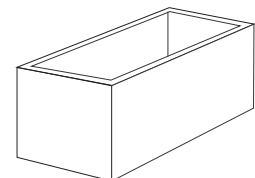
- B** Bulkhead fitting mounted into a single tank
- C** 2" FNPT lid accessory mounting points. Order using C, followed by the lid placement number(s) to indicate positions.
- D** 5" pop-out plug for pouring in through lid
- F** 3/4" PPL fill connection installed in lid
- F1** 1" PPL fill connection installed in lid
- L** Level indicator
- M** Mixer 1/20 HP (flange mount)
- M1** Mixer 1/20 HP (bung mount)
- P** Non Advantage pump mounting adapter
- R** Rigid suction tube
- S** Suction tube hole(s) predrilled. Order using **S** followed by the lid placement number(s) to indicate positions; i.e. S1 or S23.
- T** Transfer pump 4.5 GPM (17 LPM) with tubing
- T1** Transfer pump mounting bracket only
- U** Ship tank assembled and individually packaged
- W** Level wand with float switch



## ACT Open Top Rectangle Containment Tanks

**ACT-25** 38" (96.5 cm) L x 15" (38.1 cm) W x 12.5" (31.75 cm) H tank

**ACT-27** 24" (60.9 cm) L x 24" (60.9 cm) W x 12" (30.4 cm) H tank



# Tank Accessories and Parts

## Tank Level Wands

<b>ALL-S12</b>	Level Wand adjustable to 12" (30.4 cm) with switch contacts 28 VDC 50 mA
<b>ALL-S20</b>	Level Wand adjustable to 20" (50.8 cm) with switch contacts 28 VDC 50 mA
<b>ALL-S30</b>	Level Wand adjustable to 30" (76.2 cm) with switch contacts 28 VDC 50 mA
<b>ALL-S36</b>	Level Wand adjustable to 36" (91.4 cm) with switch contacts 28 VDC 50 mA
<b>ALL-S42</b>	Level Wand adjustable to 42" (106.6 cm) with switch contacts 28 VDC 50 mA
<b>ALL-S48</b>	Level Wand adjustable to 48" (121.9cm) with switch contacts 28 VDC 50 mA
<b>ALL-S60</b>	Level Wand adjustable to 60" (152.4 cm) with switch contacts 28 VDC 50 mA

## Options

<b>C</b>	Prewire level wand to separately ordered controller or pump
<b>D</b>	Wand made of ¼" PVC pipe with second liquid tight for suction tubing

## Rigid Suction Assemblies

<b>RSA-KFC1-14</b>	14" (35.5 cm)	⅜" tubing
<b>RSA-KFC1-16</b>	16" (40.6 cm)	⅜" tubing
<b>RSA-KFC1-24</b>	24" (60.9 cm)	⅜" tubing
<b>RSA-KFC1-36</b>	36" (91.4 cm)	⅜" tubing
<b>RSA-KFC1-40</b>	40" (101.6 cm)	⅜" tubing
<b>RSA-KFC1-48</b>	48" (121.9 cm)	⅜" tubing
<b>RSA-KFC2-16</b>	16" (40.6 cm)	¼" tubing
<b>RSA-KFC2-36</b>	36" (91.4 cm)	¼" tubing
<b>RSA-KFC2-40</b>	40" (101.6 cm)	¼" tubing
<b>RSA-KFC2-48</b>	48" (121.9 cm)	¼" tubing

\*Note: Remove tubing connector from any model for ¼" MNPT connector.

## Tank Parts

<b>1A2A000110</b>	Red cap plug for DCT & APCT tanks
<b>ATS-HANDLE</b>	19" X 7" poly panel attached to ATS wall bracket for carrying
<b>ATS-LID</b>	Lid for ATS-5 Tank
<b>CT-40</b>	40 gallon outer tank for DCT-30
<b>CT-55</b>	55 gallon tank only / no lid
<b>CT-70</b>	70 gallon outer tank for DCT-55
<b>DRAIN</b>	¼" NPT PVC drain valve on tanks
<b>INJ-KFX1</b>	½" MNPT bulkhead fitting for ATS tanks, ⅜" tubing
<b>INJ-KFX2</b>	½" MNPT bulkhead fitting for ATS tanks, ¼" tubing
<b>LI-30</b>	Level indicator for APCT-35 and -40 or DCT-30 tank
<b>LI-55</b>	Level indicator for APCT-55, 70 or DCT-55 tanks
<b>LID-30</b>	Lid only for DCT-30 and APCT-35 and -40
<b>LID-55</b>	Lid only for DCT-55, APCT-55 and APCT-70
<b>NAPB-DCT</b>	Non-Advantage pump board for APCT and DCT tanks
<b>NAPB-ATS</b>	Non-Advantage pump board for ATS-5 tanks
<b>R00223</b>	SS wall mounting bracket for ATS-5 tank
<b>R00227</b>	Shut-off / Drain valve for ATS-5 tank

# EchoPod Drum Sensors

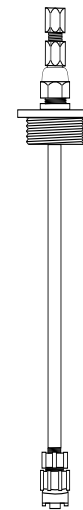
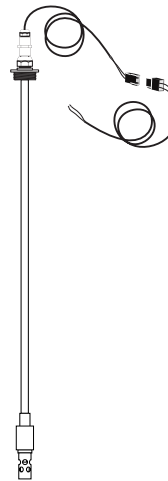
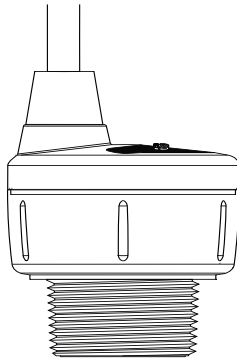
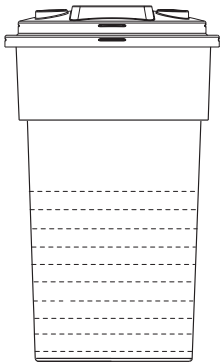
- DL 10-45-K** Pre-Calibrated to a 45" (114.3 cm) tall drum
- DL 10-40-K** Pre-Calibrated to a 40" (101.6 cm) tall drum
- DL 10-35-K** Pre-Calibrated to a 35" (88.9 cm) tall drum
- DL 10-30-K** Pre-Calibrated to a 30" (76.2 cm) tall drum
- DL 10-25-K** Pre-Calibrated to a 25" (63.5 cm) tall drum
- DL 10-00-K** No pre-calibration 0-49"
- DL 24-00-K** No pre-calibration 0-9.8'

## EchoPod Parts

- L199-1001** 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
- PSDC-24-Q** 90-254 VAC to 24 VDC power supply with USA cord (powers 1-4 Echopods)

## Popular Tank Accessories for Advantage tanks

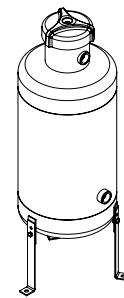
Tank Size	EchoPod	Level Wand	Rigid Suction Assembly
35 gal.	DL 10-35-K	ALL-S36	RSA-KFCI-36
40 gal.	DL 10-35-K	ALL-S36	RSA-KFCI-36
55 gal.	DL 10-45-K	ALL-S42	RSA-KFCI-48
70 gal.	DL 10-45-K	ALL-S42	RSA-KFCI-48



# 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.



BF- \_\_\_\_\_

**Model Number** (Example: BF-05DX)

**Capacity** \_\_\_\_\_

- 02** = 2 gallon
- 05** = 5 gallon
- 12** = 12 gallon

**Bottom** \_\_\_\_\_

- D** = Dome with legs and bottom port
- F** = Flat

**Filter** \_\_\_\_\_

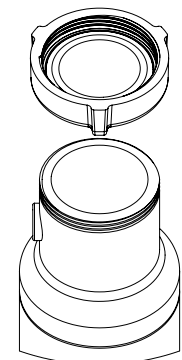
- X** = No filter
- 1** = 10" cartridge filter holder (20 micron hot filter included)
- 2** = 18" bag filter basket (25 micron bag included)
- 3** = 18" bag filter basket (5 micron bag included)
- 4** = 18" bag filter basket with no handle or filter

**Accessory Kits**

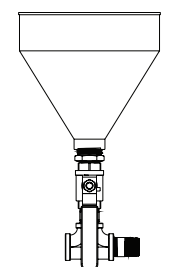
- BFK-ISOVALVES** = 3/4" brass isolation valves with unions and nipples
- BFK-DBDRAIN** = 3/4" brass drain valve and fittings for dome bottom
- BFK-FBDRAIN** = 3/4" brass drain valve and fittings for flat bottom
- BFK-GAUGEX** = 3/4" cross with 0-300 psi gauge, sample valve 180°F and fittings
- BFK-FUNASM** = 3/4" tee isolation valve and funnel

**Parts**

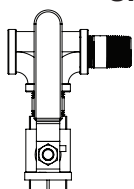
- BF-BAG0518** = 18" x 3" bag filter, 05 micron, 325°F
- BF-BAG2518** = 18" x 3" bag filter, 25 micron, 325°F
- BF-BGCAGE18** = Bypass feeder SS bag filter cage, 18"
- BF-BGCAGE18-F** = Bypass feeder SS bag filter cage, no handle
- BF-CF05-10** = 10" cold water cartridge filter, 05 micron, 120°F
- BF-CF20-10** = 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 3/4" 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
- FLOW-2HT** = 3/4" flow indicator; 145 psi, 212°F max
- SFS-BV** = 1/4" brass bleed valve, 180°F max



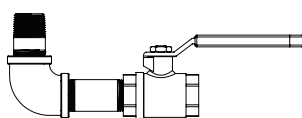
ACME cap



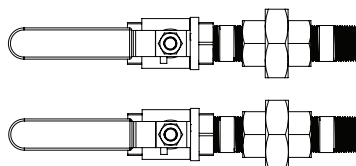
BFK-FUNASM



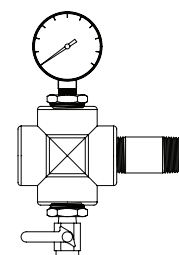
BFK-FBDRAIN



BFK-DBDRAIN



BFK-ISOVALVES



BFK-GAUGEX

## Notes

## **Manufacturer's Product Warranty**

Advantage Controls warrants control systems of its manufacture to be free of defects in material or workmanship. Liability under this policy extends for 24 months from date of installation. 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 to ensure uninterrupted service with minimum downtime. If your pump malfunctions, call 1-918-686-6211, and provide our technician with Model and Serial Number information. If he is unable to diagnose and solve your problem over the phone, a fully warranted replacement unit will be shipped, usually within 48 hours, on a 30 Day Billing Memo. This service requires a purchase order and the replacement unit is billed to your regular account for payment.

The replacement unit 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 pump. Liquid end materials including tubing and external valves are not included.

# 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
- Bleed Valves
- Water Meters
- Chemical Metering Pumps
- Corrosion Coupon Racks
- Chemical Solution Tanks
- Solid Feed Systems
- Bypass Feeders
- Filter Equipment
- Glycol Feed Systems
- Pre Fabricated Systems

