

Pump Catalog

Advantage Controls
P.O. Box 1472
Muskogee, OK 74402
Phone: +1 (918) 686-6211
Toll Free (USA): 800-743-7431
Fax: +1 (918) 686-6212

Toll Free Fax: 888-686-6212

www.advantagecontrols.com

Purchase your Advantage Controls pumps at a discount. Click here to contact www.TheWaterTreatmentStore.com for a custom quote.

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Terms

Net 30 Days on approved credit. We also accept Visa, Master Card and American Express.

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.

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 and undamaged equipment.

Minimum Order

There is a minimum net order amount of \$30.00, excluding shipping.

Repair Charges

Advantage keeps pump repair simple with a flat fee that includes a new head kit assembly (no tubing, foot or injection fitting). Prices below are for Kynar heads and Teflon seats, add prices shown on page 4 for other head and fitting material options.

Series A Pumps

Series B Pumps

Series C Pumps

Series R Pumps

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 1-800-743-7431, 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.

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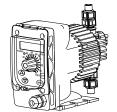
MicroTron Electronic Chemical Metering Pump

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.

A130X1-KFCV 110 PSI 30 GPD **A115X1-KFCV** 150 PSI 15 GPD **A217X1-KFC2** 250 PSI 17 GPD



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.

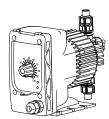
B130X1-KFCV	110 PSI	30 GPD
B115X1-KFCV	150 PSI	15 GPD
B217X1-KFC2	250 PSI	17 GPD



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	C130	C120	C115	C110	C105	C217	C215	C210	C205	C202



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.

- **30** 30 GPD at 110 PSI
- 15 GPD at 150 PSI
- **17** 17 GPD at 250 PSI

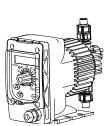
Stop Function Options

- 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
- 3 240 Volt Specified Plug
- **B** 120 Volt N.C. Relay for bleed lockout (RT only)
- L 120 Volt USA Plug with no Control Relay or Pigtail

RD 30 X 1-



^{*}See MicroTron pump model guide Section 4 for liquid end options other than standard on page 4.

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
MODEL	GPD	45	30	17	15	20	15	15	10	5	2	10	5.5
Α		A145	A130	A217	A115								
В		B145	B130	B217	B115								
С			C130	C217		C120	C215	C115	C210	C105	C202	C110	C205

____ CONTROL OPTIONS SELECTION 2:

PRICE	CODE X D E F G L M	CONTROL FUNCTION (Standard) Control Dual Output 10-50 sph or 125 spm External Pace Hall Effect flow meter input (divides by 9) Hall Effect flow meter input (divides by 3) Limit Timer 4-20 mA Input Selectable Pulse, %, or 28-Day Biocide Timer	SERIES A, B, C B B & C B & C B & C B & A
	•	(Add option H in SELECTION 5 if using paddlewheel)	,,

SELECTION 3: **VOLTAGE**

CODE **CONTROL FUNCTION PRICE**

- (Standard) 120 Volt USA plug, 5.5' long 1
- 2 240 No plug
- 240 South American plug 3
- 12 Volt DC (60 PSI max; Output not affected)
- 240 Volt USA plug 5
- 6 240 Volt Korean plug / 60 cycle
- 7 240 Volt Australian plug

SELECTION 4:		LIQUID END
Head and Fittings K = Kynar S = 316SS M = Kynar Head w. Valves* Seat and O-Rings V = Viton	/ SS MNPT	Connection 1 = 3/8" Tubing for 75-200 psi 2 = 1/4" Tubing for 250 psi 3 = 3/8" 250 psi Tubing K = Kynar suct / disch tubing P = 1/4" MNPT R = 1/4" FNPT U = 3/8" Black UV resistant
F = Teflon H = Hypalon		V = Clear flex 3/8" suct tubing Check Ball C = Ceramic D = Ceramic (single on dischar

^{*} M option must have P connection code

D = Ceramic (single on discharge)

S = Stainless

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

PRICE	CODE	SPECIAL OPTIONS	SERIES
	4	Blue Housing	All
	5	Green Housing	All
	6	Conformal Coating	All
	С	Dust Cover (Series C only)	С
	E	External Stop	A, B, C
	F2	Paddlewheel Flow Meter, Kynar construction	All
	F3	Flo Tracker input only, no sensor	A&R
	Н	3-Wire Input for Paddlewheel Sensor (5 VDC)	A&R
	N	4-20 mA Output Isolated (requires power)	RD, RO, RP
	Р	ON/OFF Power Switch	All
	R	Remove Stroke Adjust	All
	S	3-Function Valve	All
	V	Pulse Output	Α
	W	Dry Contact with Pump On	Α
	01	Tank Mount Conductivity Probe (DC-4A)	R
	02	Tank Mount pH Probe	R
	03	Tank Mount ORP Probe	R
	04	Boiler Probe BE-32 in place of TE-4A	R
	05	TE-4A-8 CPVC Probe	R
	06	PE-21H pH Probe	R
	07	TE-4ASS-8	R
	80	AH-4A-8	R
	09	PE-11	RP
	10	PE-21SS	RP
	12	Momentary Toggle Switch for WM Input	A&R

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 SULFIDE	KHC
SULFURIC ACID, 10 - 75%	KFC
SULFURIC ACID, 95 - 100%	KFC

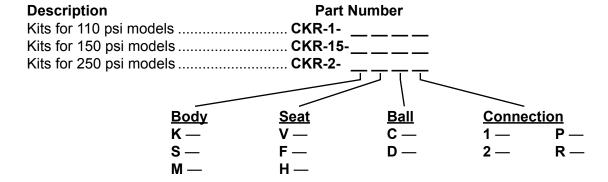
Spare Part Assemblies

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 add the four digit code of the liquid end after the standard prefix part number for the assembly. Various materials add to the base list price.

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.

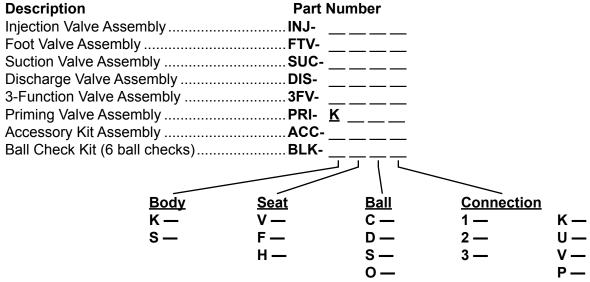
Note: Use a K for any pump with P or V liquid end body; i.e. B130X1-PFCV



Paddlewheel Flow Meter

Description		Part Number
Paddlewheel Flow Meter	r (Kynar body & valves)	FLT-BKFC1

Individual Assemblies



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

R03603 Kynar / Viton

R03605 Kynar / Viton with priming hole

Add **F** for Teflon seats and a **L** for spring loaded.

Replacement Tubing per Foot

Replacement Tubing 100' Roll (add -100 suffix to part # for 100' roll)

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

Additional Parts

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

Injection Accessories

A3J6	3" Injection Quill 316 SS
A6J6	6" Injection Quill 316 SS
ACJC	PVC Corporation Stop Injection Nozzle 3/4" FNPT out, 1/2" FNPT in
ACJC4	304 SS Corporation Stop 3/4" MNPT out, 1/2" FNPT in 100 PSI
ACJC6	316 SS Corporation Stop 3/4" MNPT out, 1/2" FNPT in 100 PSI
CKV-1/2-SS	Check Valve 1/2" 304 SS
INJ-1	3/4" Quick Release Injection Tee with 1/2" FNPT for injector
INJ-2	2 Stage Injection Manifold
INJ-3	3 Stage Injection Manifold
INJ-4	4 Stage Injection Manifold
INJ-COL	Injection Collar
SM-7	7 Stage Static Mixer, 3/4" MNPT union connections
SM-14	14 Stage Static Mixer 3/4" MNPT union connections
SM-14-1	14 Stage Static Mixer 1" MNPT union connections

Pump Accessories

Agitators

FMA-1/20-B 120 VAC, 1/20 HP 2" bung mount mixer, prewired, 36" shaft 120 VAC, 1/20 HP flange mount mixer, prewired, 36" shaft

Option

PRP Propeller instead of impeller

Angle Plate Direct drive, 1750 RPM - 1/4 HP, SS shaft and impeller

AA-1MA 120 VAC, 60 cycle, single phase, TEFC motor

Consult factory for price and availability on many other agitators to meet your system requirements.

Pump Mounting Accessories

R00225 Plastic Pump Mounting Bracket
 PMS-02 Plastic Mounting shelf for 2 Pumps
 PMS-03 Plastic Mounting shelf for 3 Pumps
 PMS-04 Plastic Mounting shelf for 4 Pumps

-U 1/2" blue poly

Pump Mount Boards

Pump mount boards are for Series R controller pumps and can hold 2 pumps and up to two injection tees.

PMP-50 27" x 27" poly panel with sample stream including valves and 2 pump shelf

Options for PMP Boards

B1 1 Injection Tee B2 2 Injection Tees

C Flow Indicator, 7.5 " long, 1-10 GPM

D1 3/4" Black Iron piping assembly (requires high pressure probes)

E 1" CPVC Injection tee assembly only

F Mounting Rails

G Junction Box for Electrical Hook-Up

Q Backcheck Valve

R Bleed off Leg 3/4" includes Shut Off Valve (Order Valve Separately)

T Poly weather shield, 38" wide by 15" deep over top of panel

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.

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

Options

A Omit Sample Stream

Antisyphon back pressure valve500 cc draw down column

F Flow Controller, mounted complete with flow switch in the sample line

G Flow Switch only, no controller

L Flow indicator for low flow, 0.1 to 1.0 GPM instead of standard 1-10 GPM

L2 1" flow assembly with 1-20 GPM (PFS-01 only)

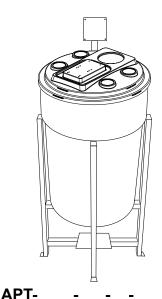
L3 3/4" CPVC flow assembly with brass fitting flow indicator (PFS-01 only)

W Metal stand for PFS-04V 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 painted steel frame with pump mounting base, polyethylene tank and rigid heavy duty lid. We can also make custom sizes and configurations.



Model Number

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

B = Bulkhead fitting only with pump shelf

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 = 4" pop out plug in lid

E = Add for 2" bung fittings and plugs to lid

S = Make-up water solenoid; PVC plumbing 1/2"

V = Make-up water plumbing with gate valve 1/2"

R = Rigid suction wand

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.

Steel Tank Package

Consists of a steel tank with sight glass, hinged lid, welded legs and a base for mounting pump. Completely piped including a line strainer and stainless steel pressure relief valve. Consult factory for more details.

Polyethelene Tanks

ATS-5 5 gallon polyethylene tank with vented threaded lid and

Advantage Controls pump mounting shelf.

ATS-10 10 gallon 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" tubingD2 Bulkhead fitting with shut-off valve for 1/4" tubing

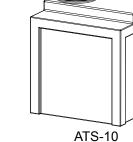
F Flat top with 2" bung L 2" bung for level wand

M Premount pump (ordered separate)P Non Advantage pump adapter

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 bracked for tank



ATS-5

APCT Tanks - Single Wall

APCT-35 34 gallon single tank with lid APCT-55 58 gallon single tank with lid APCT-70 70 gallon 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.

4" pop-out plug for pouring in through lid
 3/4" PPL fill connection installed in lid
 1" PPL fill connection installed in lid

L Level indicatorM Mixer 1/20 hp

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. S1or S23.

T Transfer pump 4.5 gpm with tubingT1 Transfer pump mounting bracket only

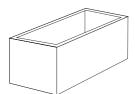
U Ship tank assembled and individually packaged

W Level wand with float switch



ACT-25 38"L x 15"W x 12.5" T tank **ACT-27** 24"L x 24"W x 12" T tank





Tank Parts

R00223 SS wall mounting bracket for ATS-5 tank R00227 Shut-off / Drain valve for ATS-5 tank

ATS-LID Lid for ATS-5 Tank

CT-40 40 gallon outer tank for DCT-30 **LID-30** Lid only for DCT-30 and APCT-35

LID-55 Lid only for DCT-55, APCT-55 and APCT-70
LI-30 Level indicator for APCT-35 or DCT-30 tanks
LI-55 Level indicator for APCT-55, 70 or DCT-55 tanks
NAPB-DCT Non-Advantage pump board for APCT and DCT tanks

NAPB-ATS

RST-30

Non-Advantage pump board for ATS-5 tanks

Rigid Suction Tube for APCT-35 or DCT-30 tanks

Rigid Suction Tube for APCT-55. 70 and DCT-30 tanks

DRAIN 1/4" NPT PVC drain valve on tanks **1A2A-110** Red cap plug for DCT & APCT tanks

Tank Level Wands

ALL-S60

ALL-S42

ALL-S30

ALL-S12

Level Wand adjustable to 60" with switch contacts 28 VDC 50 mA
Level Wand adjustable to 42" with switch contacts 28 VDC 50 mA
Level Wand adjustable to 30" with switch contacts 28 VDC 50 mA
Level Wand adjustable to 12" with switch contacts 28 VDC 50 mA

Pump Shed

The Advantage pump shed is a poly weather enclosure to provide protection for pumps.

Shed with an inlet and outlet port for 1 pump Shed with inlet and outlet ports for 2 pumps

Options

W Stainless steel wall mounting bracket

C Cut bottom off for controllerP Poly board inside for controller

V Clear vinyl strip door

Other Chemical Metering Pumps

Peristaltic Pump

MP2-R Adjustable speed, auto-priming, 1 l/h (0.26 g/h), 45 PSI max

TUBE-MP2R Replacement roller / tube kit for MP2-R

Transfer Pump

The Advantage transfer pump is a small multi-chamber Santoprene diaphragm pump with viton check valves and 1/2" hose barb fittings. It is pre-wired with a 120 volt USA male plug.

TRAN-P4 4.5 GPM against no pressure

Shot Feeders

2HD Flat bottom shot feeder, 2 gallon
 5HD Flat bottom shot feeder, 5 gallon
 12HD Flat bottom shot feeder, 12 gallon
 FHC-5HD High capacity flat bottom filter feeder

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

