

# MEC-O-MATIC Stingray Series

Metering Pumps



Chemical solution feeders for the water treatment professional.



- Chemical resistant, flame retardant plastic housing and wetted components.
- Continuous duty motor with lifetime-lubricated, heavy-duty gearing.
- Positive displacement with adjustable feed rate and high reliability.
- Quick delivery of any model, in any listed voltage.
- Agency approvals available.

**RIGHT:** The MEC-O-MATIC STINGRAY SR 200 features ceramic ball check valves for high-pressure applications

**LEFT:** The MEC-O-MATIC STINGRAY SR 100 features exclusive MEC-O-MATIC Relief/Release head with cartridge valves.

## Key Features:

- **Versatility:** range of models, offering feed rates from 8 GPD to 90 GPD, and operating pressures up to 100 PSI
- **Durability:** rugged, chemical-resistant plastic casing, and corrosion-resistant rubber and plastic solution handling components
- **Long Life:** PTFE coated diaphragm and viton seals, for long life even in highly corrosive applications
- **Reliability:** spring-loaded check valves for high reliability

## Operating Advantages:

- Patented relief/release valve (on 100 Series only) to assist with priming and prevent tubing rupture or motor failure
- Heavy duty design allows for continuous operation
- Complete systems, with solution tanks up to 200 gallons, are available
- Many accessory fittings and assemblies are available to enhance performance and simplify operation

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# Stingray Series Specifications

## Chemical Metering Pumps

Model	Customary Units (60 Hz)					Metric Units (50 Cycle Line Frequency)					
	Max Feed Rate		Max. PSI	Rev. Per Min.	Ship Wt. lbs.	AMPS		AMPS 50Hz 240V	Max. Pressure KG CMF	Max. Feed Rate	
	G.P.D.	CC per min.				60Hz 120V	60Hz 240V			L/H	CC/Min
SR 105/205	8	20	100	5	6.8	.37	.29	.46	7	1	17
SR 110/210	12	32	100	10	6.8	.37	.29	.46	7	1.5	2.5
SR 125/225	30	78	100	25	8.0	1.33	.62	.64	7	4	66
SR 150/250	60	158	100	50	8.0	1.38	.62	.66	7	8	133
SR 175/275	90	236	60	75	8.0	1.38	.65	.66	4.2	12	200

## MATERIALS OF CONSTRUCTION

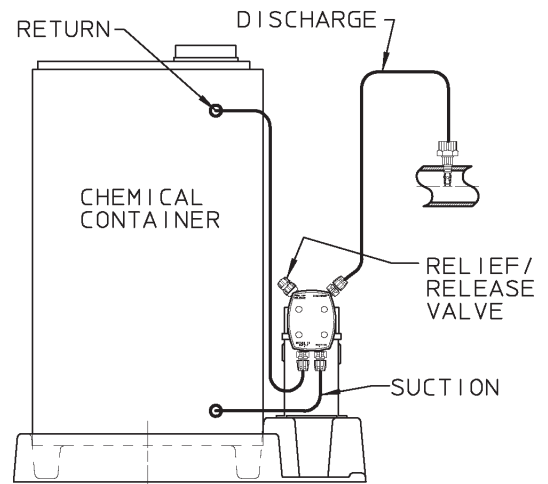
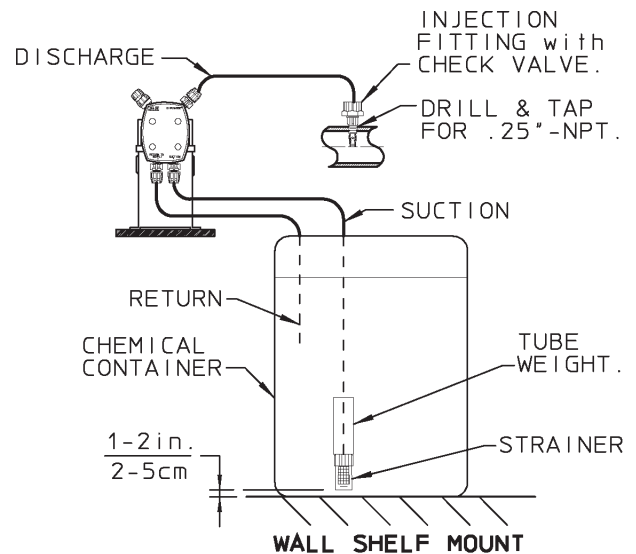
DESCRIPTION	100 SERIES	200 SERIES
HEAD	PVC	PVC
DIAPHRAGM	PTFE coated	PTFE coated
VALVE SEATS	Viton	Viton
BALL CHECKS	Ceramic	Ceramic
FITTINGS	PVC	PVC
TUBING	Polyethylene	Polyethylene
SUCTION TUBING	Flexible PVC	Flexible PVC
DIMENSIONS	9"H x 4 5/8"W x 6 1/4"D	9"H x 4 5/8"W x 6 1/4"D
MOTOR	Shaded pole with thermal protection 115V/60 Hz or 230V/50/60 Hz	

## WARRANTY

The manufacturer warrants the equipment of its manufacture to be free of defects in material or workmanship. Liability under this policy extends for eighteen (18) months from the date of purchase or one (1) year from date of installation or whichever comes first. The manufacturer's liability is limited to repair or replacement of any device or part which is returned, prepaid, to the factory and which is proven defective upon examination. This warranty does not include installation or repair cost and in no event shall the manufacturer's liability exceed its selling price of such part.

The manufacturer disclaims all liability for damage to its products through improper installation, maintenance, use or attempts to operate such products beyond their functional capacity, intentionally or otherwise, or any unauthorized repair. Replaceable elastomeric parts are expendable and are not covered by any warranty either expressed or implied. The manufacturer is not responsible for consequential or other damages, injuries, or expense incurred through use of its products.

The above warranty is in lieu of any other warranty, either expressed or implied. The manufacturer makes no warranty of fitness or merchantability. No agent of ours is authorized to make any warranty other than the above.



TANK MOUNT



An ISO Certified Company



A Unit of IDEX Corporation

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# MEC-O-MATIC DIAPHRAGM PUMPS

## STINGRAY Series 100 & 200

Mec-O-Matic STINGRAY 100 and 200 Series Selection Guide		US	--	-	BCA	K	XXX
<b>MODELS:</b>	<b>Series 100</b> 105 = 8.0 gpd (1.26 lph) max pres.: 100 PSI (6.90 BAR) 110 = 12.0 gpd (1.89 lph) max pres.: 100 PSI (6.90 BAR) 125 = 30.0 gpd (4.73 lph) max pres.: 100 PSI (6.90 BAR) 150 = 60.0 gpd (9.46 lph) max pres.: 100 PSI (6.90 BAR) 175 = 90.0 gpd (14.19 lph) max pres.: 60 PSI (4.14 BAR) <b>Series 200</b> 205 = 8.0 gpd (1.26 lph) max pres.: 100 PSI (6.90 BAR) 210 = 12.0 gpd (1.89 lph) max pres.: 100 PSI (6.90 BAR) 225 = 30.0 gpd (4.73 lph) max pres.: 100 PSI (6.90 BAR) 250 = 60.0 gpd (9.46 lph) max pres.: 100 PSI (6.90 BAR) 275 = 90.0 gpd (14.19 lph) max pres.: 60 PSI (4.14 BAR)						
<b>ELECTRICAL:</b>	XA = 115V, 60 Hz XL = 230V, 50/60 Hz						
<b>LIQUID END MATERIALS:</b>	BCA = PVC / Viton / Ceramic						
<b>CONNECTION SIZES:</b>	K = Tubing .38" PVC Suction / .38" PE Discharge						
<b>SUFFIX CODES:</b>	XXX = Standard						
A completed model should look like "US110XA-BCAKXXX"							

1. Maximum GPD Rating is at Zero PSI.
2. Standard material of construction is: PVC head/fittings, Viton Seats, PTFE faced diaphragm, spring loaded ceramic balls, 4 ft. 3/8" PVC suction tubing, 8 ft. 3/8" polyethelene discharge tubing.
3. KOPkit includes head assembly, diaphragm and head screws.
4. Shipping weight is 8 lbs

## STINGRAY Electro Mechanical Series

Mec-O-Matic STINGRAY ELECTRO MECH. Selection Guide		US	--	-	XA	BCA	K	XXX
<b>MODELS:</b>	105 = 8.0 gpd (1.26 lph) max pres.: 100 PSI (6.90 BAR) 110 = 12.0 gpd (1.89 lph) max pres.: 100 PSI (6.90 BAR) 205 = 8.0 gpd (1.26 lph) max pres.: 100 PSI (6.90 BAR) 210 = 12.0 gpd (1.89 lph) max pres.: 100 PSI (6.90 BAR)							
<b>TIMER:</b>	D = 24 Hour Timer W = 7 Day Timer							
<b>ELECTRICAL:</b>	XA = 115V, 60 Hz							
<b>LIQUID END MATERIALS:</b>	BCA = PVC / Viton / Ceramic							
<b>CONNECTION SIZES:</b>	K = Tubing .38" PVC Suction / .38" PE Discharge							
<b>SUFFIX CODES:</b>	XXX = Standard							
A completed model should look like "US110XADXABC AKXXX"								

1. Available in 115V 60 cycle only.
2. Maximum GPD Rating is at Zero PSI.
3. Standard material of construction is: PVC head/fittings, Viton Seats, PTFE faced diaphragm, spring loaded ceramic balls, 4 ft. 3/8" PVC suction tubing, 8 ft. 3/8" polyethelene discharge tubing.

# MEC-O-MATIC

## KOPkits

Mec-O-Matic STINGRAY KOPkit Selection Guide		KUSR_	-	BCA	K
PRODUCT DESIGNATOR:	1 = Series 100 2 = Series 200				
LIQUID END MATERIALS: Head, Diaph., Seats & Balls	BCA = PVC / Viton / Ceramic				
CONNECTION :	K = Tubing .38" PVC Suction / .38" PE Discharge				

## STINGRAY SERIES PARTS PRICE SCHEDULE

PART #	DESCRIPTION	PART #	DESCRIPTION
41403	Discharge Tubing 8 ft PE 3/8"	U8800656	Kit, SR Drive Block Conversion
J41424	Suction tubing 4 ft PVC 3/8"	U8800701	Head Assembly Series 100
U0810545	Spring Clutch	U8800703	Head Assembly Series 200
U0811279	Pump Head Series 200	U8800704	Valve Kit Series 200 (viton)
U0817888	Shoulder Screw 10 - 24 X .58	U8800729	Kit, Head Bolt S100 (4 - U0810036, 4 - L9801300-188)
U0811861	Head Cover Series 100	U8800730	Kit, Head Bolt S200 (4 - U0813501, 4 - L9801300-188)
U0812318	Pump Head Series 100	U8800732	Kit, Foot Pads (4 - U0818379)
U0814211	Compression Nut	U8800735	Kit, Spring (2 - U0812915)
U0818143	Drive Block	L9900700-000	Strain Relief
U0818148	Drive Plate	U0818406	Motor, SR 105/205, 120V, 60Hz
U0818215	Motor Housing	U0818407	Motor, SR 105/205, 240V, 50/60Hz
U0818226	Regulator Housing	U0818408	Motor, SR 110/210, 120V, 60Hz
U0818227	Regulator Top Cover	U0818409	Motor, SR 110/210, 240V, 50/60Hz
U0818256	Output Adjustment Knob	U0818410	Motor, SR 125/225, 120V, 60Hz
U0818257	Wear Plate	U0818411	Motor, SR 125/225, 240V, 50/60Hz
U0818258	Adjustment Knob Bushing	U0818412	Motor, SR 150/250, 120V, 60Hz
U0818339	Adjustment Plate	U0818413	Motor, SR 150/250, 240V, 50/60Hz
U0818340	Adjustment Shaft Assembly	U0818414	Motor, SR 175/275, 120V, 60Hz
U8800412	Tubing Assy, 15', 3/8"	U0818415	Motor, SR 175/275, 240V, 50/60Hz
U8800456	Foot Valve Strainer 3/8" OD Tubing (viton)	24820	Power Cord 120V
U8800470	Diaphragm Kit	24821	Power Cord 240V
U8800525	Relief/Release Plunger Kit (viton)	U0818561	Timer Assy, 24 hr (SR Electro Mech)
U8800554	Cartridge Valve Kit Series 100 (viton)	U0818562	Timer Assy, 7 Day (SR Electro Mech)
U8800606	Injection Fitting	U0818564	Motor Fan SR 105, 110, 205, 210

## MISCELLANEOUS TUBING

PART NUMBER	DESCRIPTION	PART NUMBER	DESCRIPTION
U0811307	Tube PE, Transparent, 1/4" OD X 100 ft.	U0818324	Viton Peri. Tube, 3/8" OD X 9"

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# KOPkit



## Keep-On-Pumping kits that can save you time and money

When you need a part, you've got it! A KOPkit can help you cut downtime and put you back in business fast. Use KOPkits for preventative maintenance also, to ensure continuous high performance from your Pulsafeeder metering pump.

Save money too, by buying parts in KOPkits instead of ordering individual parts.

KOPkits are available for the CHEM-TECH Series 99X, Series 100, Series 200 and Series CTP; Mec-O-Matic Stingray Series and Dolphin Series; and all PULSAtron metering pumps.

### FOR DIAPHRAGM PUMPS:

A typical KOPkit includes Pump Head assembly with Valve, Diaphragm, Head Screws, Washers and an exploded view assembly drawing.

### FOR PERISTALTIC PUMPS:

A typical KOPkit includes Pump Head assembly with Tube, Retaining Clamps, Hose Clamps and an exploded view assembly drawing.

### HOW TO ORDER:

**PULSAtron (all models)** - The KOPkit number will start with the letter "K", followed by the head size (4th digit of the pump model number) and the liquid end code (the 7th, 8th, 9th and 10th digits of the pump model number). The KOPkit for pump model number LB04SA-PTC1-XXX would be K4PTC1.

**CHEM-TECH Series 99X, 100 & 200** - The Series 100 & 200 KOPkit number will start with "KX100-" followed by the liquid end code (the 7th, 8th, 9th and 10th digits of the pump model number). The KOPkit for pump model number X240-XD-BAAAXXX would be KX100-BAAA. The KOPkit for all Series 99X pumps is KX100-AAAA.

**CHEM-TECH Series CTP** - The KOPkit number will start with "NCK" followed by the 4th, 5th, 6th, 9th, 10th, 11th and 12th digits of the pump model number. The KOPkit for pump model number CTPD4HSA-PAP1-XXXXX is NCKD4HPAP1.

**Mec-O-Matic Stingray Series** - The KOPkit number for the Stingray Series is KUSR\_-BCAK with the 3rd digit of the pump model number placed in the blank spot. The KOPkit for pump model number US210XA-BCAKXXX is KUSR2-BCAK.

**Mec-O-Matic Dolphin Series** - The KOPkit number for the Stingray Series is KUDXX-L\_AU with the 8th digit of the pump model number placed in the blank spot. The KOPkit for pump model number UD50-XA-LSAUXXX is KUDXX-LSAU.



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