



Commercial & Industrial Water Softener Comparison Guide

MODEL	MAT	MGT	MGTE	MRG	MR	MHC
					WHO CO	
Flow Rate (per tank) @ 15 psid	10-45 GPM	7–205 GPM	15–95 GPM	80-235 GPM	50-190 GPM	215-1,150 GPM
Capacity (per tank)	Up to 450,000 Grain	Up to 1,200,000 Grain	Up to 600,000 Grain	Up to 1,500,000 Grain	Up to 1,050,000 Grain	Up to 6,000,000 Grain
Pipe Size	0.75"-1.5"	0.75"- 3"	1"-2"	2"-3"	1.5"-3"	3"-8"
Control Valve Type	Fleck Top Mount	Fleck Top Mount	Clack Top Mount	Aquamatic Side Mount Diaphragm	Aquamatic Side Mount Diaphragm	Aquamatic Side Mount Diaphragm
Valve Body Material	Plastic: 0.75"-1" Brass: 1.5"	Brass	Plastic: 1"-1.25" Brass: 1.5"-2"	Plastic	Cast Iron	Cast Iron
Resin Tank Material	Fiberglass	Fiberglass	Fiberglass	Fiberglass	Epoxy Lined Carbon Steel	Epoxy Lined Carbon Steel
Exterior Piping Material	N/A	N/A	N/A	Sch 80 PVC	Galvanized Steel	Galvanized Steel
System Controller Type	Fleck 'SXT'	Fleck 'NXT'	Clack 'MA'	Marlo MX-III	Marlo MX-III	Marlo MX-III
FEATURES / OPTIONS						
Timeclock Initiated Regeneration		•	•	•	•	•
Meter Initiated Regeneration	•	•	•	•	•	•
Single Tank Design		•	•	•	•	•
Duplex Alternating Tank Design	•	•	•	•	•	•
Multi-Tank Parallel Progressive		•		•	•	•
Salt Recovery Option		•		•	•	•
ASME Option: Steel Tank					•	•
ASME Option: FRP Tank (18" Diameter or Higher)	•	•	•	•		
Programmable Logic Controller (PLC) Option				•	•	•
Remote Monitoring to BMS Option				•	•	•
Butterfly Valve Option (Standard for 6" & 8")				•	•	•
Stainless Steel or Copper Piping Option					•	•
Skid Mounted / Pre-Piped Option (Standard for MRG Units)	•	•	•	•	•	•

'MAT' Series Softener Systems



Overview

The Marlo 'MAT' softener is a meter initiated twinalternating softener that effectively reduces hardwater scale. This results in lower energy costs and longer equipment life.

The twin alternating design provides a continuous supply of softened water for critical applications, such as boiler feed, with a fully recharged tank always in standby.

Standard Features

- Top-mounted, twin-tank control valve with integral brine injector
- High capacity, sodium form cation resin
- Water meter initiated regeneration
- Inlet/Outlet Sizes 3/4", 1" or 1-1/2"
- NSF certified corrosion resistant pressure vessels
- Brine tank assembly with salt shelf and safety overflow valve
- · Hardness test kit

Materials of Construction

- Control Valve Body:
 Glass-filled Noryl Fleck 9100, (3/4" and 1")
 Bronze Fleck 9500, (1-1/2")
- Meter: Brass or glass filled Noryl
- Resin Tanks: FRP
- Internal Distributor: PVC/ABS
- Brine Tank: Corrosion resistent polyethylene

Instrumentation / Controls

- Fleck SXT digital display electronic timer
- Meter initiated with override option
- Blue backlit LCD display
- Adjustable cycle times
- Service and diagnostic indicators

Operating Parameters

- Flow Range: 2 gpm 62 gpm
- Inlet Pressure: 30-125 psig
- Temperature: 40-100°F
- Electrical: 120VAC, 1-Ph, 60 Hz

- Skid mounted, pre-piped, pre-loaded system
- Electromechanical controller
- XT electronic controller with resettable totalizer
- 220 VAC/50Hz electrical power
- Application specific resin
- Larger brine bank

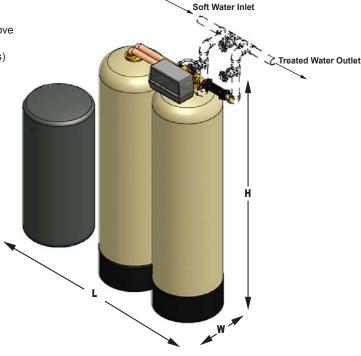
'MAT' Series Specifications

	-																																	
	EVOLUNIOS.		FI	OW RAT	ES	PIPE	SIZE	RESIN	TANK S	IZES				OVERALL		APPROX SHIPPING																		
MODEL	CAPA	CAPACITY		CAPACITY		CAPACITY		CAPACITY				CAPACITY		CAPACITY		CAPACITY				CAPACITY		VICE	BACK WASH	SERVICE	DRAIN	PER TANK	SOFTENER	BRINE	SALT STORAGE	# OF REGENS PER SALT REFILL	DIMENSIONS (INCHES)			WEIGHT (LBS)
NUMBER	, ,		CONT.	CONT. GPM ❷	PEAK GPM	WASH									0		6																	
	MAX.	MIN.	6		GPM	INCHES	INCHES	CU. FT.	INCHES	INCHES	LBS	MAX.	LENGTH	WIDTH	HEIGHT	SINGLE																		
MAT 15M-3/4	15,000	10,000	12	16	1.2	3/4	1/2	1/2	7x44	18x33	300	40	38	18	52	130																		
MAT 22M-3/4	22,000	15,000	13	17	1.6	3/4	1/2	3/4	8x44	18x33	300	27	40	18	52	165																		
MAT 30M-3/4	30,000	20,000	14	19	2	3/4	1/2	1	9x48	18x33	300	20	40	18	56	200																		
MAT 45M-3/4	45,000	30,000	13	18	2.4	3/4	1/2	1-1/2	10x54	18x33	375	17	45	18	62	265																		
MAT 60M-3/4	60,000	40,000	14	19	3.5	3/4	1/2	2	12x52	18x40	320	11	49	49 18		400																		
MAT 60M-1	60,000	40,000	16	21	3.5	1	1/2	2	12x52	18x40	320	11	49	49 18 60		400																		
MAT 60M-1-1/2	60,000	40,000	28	39	3.5	1-1/2	1	2	13x54	18x40	320	11	52	18	62	425																		
MAT 90M-1	90,000	60,000	17	22	5	1	1/2	3	14x65	18x40	270	6	54	18	73	625																		
MAT 90M-1-1/2	90,000	60,000	31	42	5	1-1/2	1	3	14x65	18x40	270	6	56	18	75	650																		
MAT 120M-1	120,000	80,000	18	23	6	1	1/2	4	16x65	24x40	550	9	64	24	73	825																		
MAT 120M-1-1/2	120,000	80,000	34	46	6	1-1/2	1	4	16x65	24x40	550	9	68	24	75	850																		
MAT 150M-1-1/2	150,000	100,000	38	50	8	1-1/2	1	5	18x65	24x50	500	7	72	24	75	1,150																		
MAT 210M-1-1/2	210,000	140,000	39	52	12	1-1/2	1	7	21x62	24x50	580	6	78	24	75	1,375																		
MAT 240M-1-1/2	240,000	160,000	43	57	15	1-1/2	1	8	24x72	24x50	530	4	84	24	83	1,600																		
MAT 300M-1-1/2	300,000	200,000	41	55	15	1-1/2	1	10	24x72	24x50	440	3	84	24	83	1,850																		
MAT 450M-1-1/2	450,000	300,000	45	62	25	1-1/2	1	15	30x72	30x50	640	3	102	30	83	2,725																		
	l .	I	ı			ı	ı	1	1					ı	1	4																		

'MAT' Series Dimensions

NOTE:

Leave a minimum 24 inch clearance above the height of the unit for loading media. Installation piping (shown in broken lines) are provided by others.



- Maximum capacity based on 30,000 grains per cubic foot of resin when regenerated with 15 lbs. salt. Minimum capacity based on 20,000 grains per cubic foot of resin when regenerated with 6 lbs. salt.
- 2 At pressure loss not exceeding 15 psi.
- 3At pressure loss not exceeding 25 psi.
- **4** Dimensions are estimate only.
- Shipping weights are estimate only. Weights include resin and support gravel.





'MGT' Series 2" and 3" Water Softeners



Overview

The Marlo 'MGT' 2" and 3" water softener systems are engineered to handle higher flow rates. Whether its mineral scale in boiler feed or supply water for a car wash, the MGT offers a robust and efficient solution for reducing mineral scale, soap usage, and energy consumption in the plumbing and other water using equipment.

The multiple tank design offers a modular platform with several configuration options that brings a customized water treatment plan that fits most demands. The corrosion resistant fiberglass reinforced polyethylene tank design and reliable top mounted valve will provide many years of service.

Standard Features

- Corrosion resistant fiberglass tanks
- Piston actuated, multiport, brass control valves
- Timeclock or meter initiated regeneration cycle
- Brine tank assembly with safety overflow
- Sodium form cation exchange resin
- Water hardness testing kit

Materials of Construction

• Control Valve Body: Low lead brass

Fleck 2900 - 2" Valve

Fleck 3900 - 3" Valve

• Resin Tanks: Fiberglass reinforced polyethylene NSF 44 certified

• Internal Distributors: Sch 80 PVC/ABS

• Brine Tank: Corrosion resistant polyethylene

Meter: Brass or glass filled Noryl

Instrumentation / Controls

- Timeclock electromechanical control
- Metered XT, NXT and NXT14 electronic control LED status lights

On board diagnostics and error reporting Flow totalizer

Operating Parameters

• Inlet Pressure: 30-100 psig

• Electrical: 24V circuitry

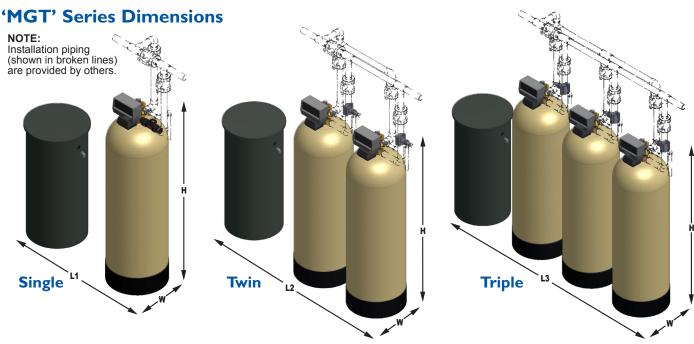
• 120/24 VAC, 50/60 Hz wall mount transformer

• Temperature: 35-100 °F

- Skid mounted, pre-piped, pre-wired systems
- NXT System 14 Progressive Parallel demand con figurations (twin, triple, quad)
- ASME Pressure vessels
- Signet flow sensors
- Stainless steel meters 2" and 3"
- Inlet/Outlet pressure gauges and sample valves
- Electromechanical metered controls
- Larger brine tanks
- Multiple voltage options

Specifications

	EXCHANGE CAPACITY (Grains) SALT USAGE (Pounds) •		FLOW RATES				TANK SIZES		SALT	OVERALL DIMENSIONS			SHIPPING WEIGHT			
CATALOG NUMBER			SERVICE		BACK WASH	PIPE SIZE	RESIN	SOFTENER	BRINE	STORAGE	(INCHES)			(LBS)		
	MAX.	MIN.	CONT. GPM ❷	PEAK GPM €	GPM	INCHES	CU. FT.	INCHES	INCHES	LBS	SINGLE (L1xWxH)	TWIN (L2xWxH)	TRIPLE (L3xWxH)	SINGLE	TWIN	TRIPLE
MGT-60-2	15,000 7.5	10,000 3	33	49	3.5	2	2	13x54	18x40	320	37x18x67	62x18x67	87x18x67	199	381	571
MGT-90-2	90,000 45	60,000 18	39	54	5	2	3	14x65	18x40	270	38x18x78	64x18x78	90x18x78	319	610	915
MGT-120-2	120,000 60	80,000 24	47	64	6	2	4	16x65	24x40	550	46x24x78	74x24x78	102x24x78	387	746	1,119
MGT-150-2	150,000 75	100,000 30	61	80	8	2	5	18x65	24x40	500	48x24x80	78x24x80	108x24x80	476	923	1,385
MGT-210-2	210,000 105	140,000 42	60	77	12	2	7	21x62	24x50	600	51x24x80	82x24x80	117x24x80	667	1,302	1,952
MGT-240-2	240,000	0 160,000 74 97	2	8	24x72	24x50	550	54x24x88	90x24x88	126x24x88	824	1,616	2,423			
MGT-240-3	120	48	120	170	10	3		24872	24X00	550	54x24x91	90x24x91	126x24x91	888	1,743	2,614
MGT-300-2	300,000	200,000	68	91	15	2	2 10	24x72	24x50	450	54x24x88	90x24x88	126x24x88	939	1,847	2,769
MGT-300-3	150	60	114	150	13	3	10	24X12	24X5U	450	54x24x91	90x24x91	126x24x91	1.003	1,974	2,960
MGT-450-2	450,000	300,000	84	105	25	2	15	30x72	30x48	590	66x30x88	108x30x88	150x30x88	1,375	2,689	4,033
MGT-450-3	225	90	160	213	20	3	10	30X7Z	JUX40	590	66x30x91	108x30x91	150x30x91	1,439	2,817	4,226
MGT-600-2	600,000	400,000	87	110	35	2	20	36x72	39x48	1250	81x39x91	129x39x91	177x39x91	2,033	3,988	5,981
MGT-600-3	300	120	185	250	33	3	20	30372	33140	1200	81x39x91	129x39x91	177x39x91	2,097	4,116	6,173
MGT-900-3	900,000 450	600,000 180	165	225	35	3	30	42x72	42x60	2,000	90x42x110	144x42x110	198x42x110	3,421	6,731	10,096
MGT-1200-3	1,200,000 600	800,000 240	205	275	55	3	40	48x72	42x60	1,700	96x48x110	156x48x110	216x48x110	4,394	8,678	13,016



- ① Maximum capacity based on 30,000 grains per cubic foot of resin when regenerated with 15 lbs. salt . Minimum capacity based on 20,000 grains per cubic foot of resin when regenerated with 6 lbs. salt.
- 2 At pressure loss not exceeding 15 psi.
- **3**At pressure loss not exceeding 25 psi.
- ① Dimensions are estimate only. Actual dimensions may vary based on job-site space limits and piping layout. Allow a minimum of 24" above height dimension for resin loading. Use of ASME rated tanks may add up to 12" of tank height.
- Shipping weights are estimate only. Weights include resin and support gravel, which are added to the tanks after installation.



Type



Functional group

DOWEX HCR-S/S

A High Capacity Cation Exchange Resin for Commercial/Domestic Applications

Matrix

DOWEX* HCR-S/S	Strong acid cation	Styrene-DVB, gel	Sulfonic acid
Guaranteed Sales Specification	s		Na ⁺ form
Total exchange capacity, min.	eq kg	/I r/ft³ as CaCO₃	1.9 41.5
Bead size distribution range	<u> </u>		
0.3 - 1.2 mm, min.	%		90
<0.3 mm, max.	%		1
Whole uncracked beads, min.	%		90
Color throw, as packaged, max.	AF	PHA	20
Acidity range	pH		7.0 - 9.5
Typical Physical and Chemical	Properties		Na⁺ form
Water content	%		48 - 52

%

g/ml

g/l

lbs/ft3

Recommended
Operating
Conditions

Total swelling (Ca⁺ → Na⁺)

Particle density

Shipping weight

Product

•	Maximum operating temperature	120°C (250°F)
•	pH range	0 - 14
•	Bed depth, min.	800 mm (2.6 ft)
•	Flow rates: Service/fast rinse Backwash Co-current regeneration/displacement rinse	5-50 m/h (2-20 gpm/ft²) See figure 1 1-10 m/h (0.4-4 gpm /ft²)
•	Total rinse requirement	3 - 6 Bed volumes
•	Regenerant:	8 - 12% NaCl

5

1.30

800

50

[†] For additional particle size information, please refer to Particle Size Distribution Cross Reference Chart (Form No. 177-01775).

Typical properties and applications

DOWEX HCR-S/S cation exchange resin is a high capacity resin with excellent kinetics and good physical, chemical and thermal stability. DOWEX HCR-S/S is used for domestic applications in the co-current mode of regeneration. For counter-current regeneration, DOWEX HCR-S/S CR is available.

Packaging

25 liter bags or 1 cubic foot bags

Figure 1. Backwash Expansion Data

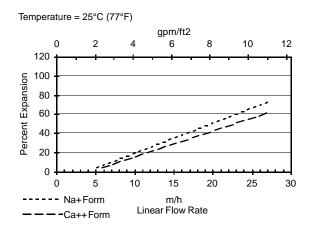
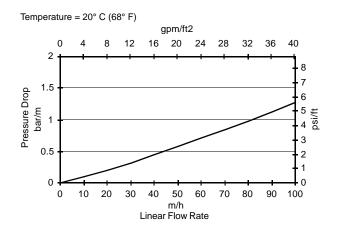


Figure 2. Pressure Drop Data



For other temperatures use:

 $F_T = F_{77^{\circ}F} [1 + 0.008 (T_{^{\circ}F} - 77)], \text{ where } F = gpm/ft^2$ $F_T = F_{25^{\circ}C} [1 + 0.008 (1.8T_{^{\circ}C} - 45)], \text{ where } F = m/h$

For other temperatures use:

$$\begin{split} P_T &= P_{20^{\circ}C} \: / \: (0.026 \: T_{^{\circ}C} + 0.48), \: \text{where} \: P = \text{bar/m} \\ P_T &= P_{68^{\circ}F} \: / \: (0.014 \: T_{^{\circ}F} + 0.05), \: \text{where} \: P = \text{psi/ft} \end{split}$$

DOWEX Ion Exchange Resins For more information about DOWEX resins, call the Dow Liquid Separations business:

North America: 1-800-447-4369 Latin America: (+55) 11-5188-9277 Europe: (+32) 3-450-2240 Japan: (+81) 3-5460-2100 Australia: (+61) 3-9226-3545 http://www.dowex.com Warning: Oxidizing agents such as nitric acid attack organic ion exchange resins under certain conditions. This could lead to anything from slight resin degradation to a violent exothermic reaction (explosion). Before using strong oxidizing agents, consult sources knowledgeable in handling such materials.

Notice: No freedom from any patent owned by Seller or others is to be inferred. Because use conditions and applicable laws may differ from one location to another and may change with time, Customer is responsible for determining whether products and the information in this document are appropriate for Customer's use and for ensuring that Customer's workplace and disposal practices are in compliance with applicable laws and other governmental enactments. Seller assumes no obligation or liability for the information in this document. NO WARRANTIES ARE GIVEN; ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED.



'MRG' Series Water Softener Systems



Overview

The Marlo 'MRG' Series water softener system offers a corrosion resistant alternative for commercial & industrial applications. Equipped with FRP resin tanks and external control valve manifold, it achieves higher service flow rates than traditional top-mount, multi-port valve configurations. All systems are completely factory skid mounted, pre-piped, pre-wired, and pre-tested for minimal installation time and cost. Standard designs available for twin and triple tank configurations.

Standard Features

- Composite FRP resin tank with tri-pod base
- Aquamatic diaphragm style control valves
- Volume and/or time initiated regeneration cycle
- Polyethylene brine tank assembly
- Air or water actuated control valves
- High capacity, cation exchange resin
- Tank isolation valves & system bypass valve
- Inlet/Outlet tank sampling valves
- Factory Hydro-tested at 100 psig

Materials of Construction

• Resin Tanks: FRP

• Exterior Piping: Sch 80 PVC

• Internal Distributors: Sch 80 PVC / ABS

Control Valves: Noryl Thermoplastic

• Skid: Painted, Carbon Steel

Instrumentation / Controls

- Marlo MX-II electronic system controller
- Alternating or parallel progressive flow control
- NEMA-4X electrical enclosures
- Signet paddle-type flow sensors
- Inlet/Outlet tank pressure gauges

Operating Parameters

• Inlet Pressure: 30-100 psig

• Electrical: 120VAC, 1-Ph, 60 Hz.

• Temperature: 35-110°F

- ASME rated resin tanks
- Allen-Bradley PLC systems
- Brine pump systems
- CPVC exterior piping
- Butterfly control valves (air-operated)
- Alternate ion exchange resins
- Online hardness monitor
- Polyurethane skid painting
- 'SRS' Salt Recycling Systems

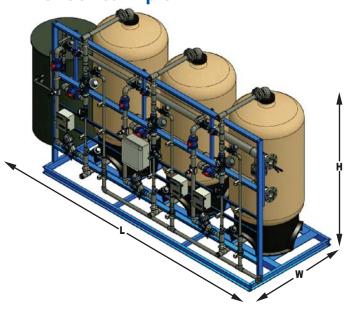
'MRG' Series Specifications

	CAPACITY (Grains)	FLOW RATES (PER TANK)			PIPE	SIZE	RESIN	TANK SIZES		OVERALL D	IMENSIONS	SHIPPING WEIGHT	
MODEL NUMBER	SALT DOSAGE (LBS.)	SERVICE		BACKWASH	SERVICE	DRAIN	KESIN	SOFTENER	BRINE 4	(LxWxH, INCHES) 6		(LBS.) ઉ	
NUMBER	MAX.	CONT. GPM 2	PEAK GPM 6	GPM	INCHES	INCHES	CU. FT.	INCHES	INCHES	TWIN	TRIPLE	TWIN	TRIPLE
MRG-150-1-1/2	150,000 75	55	78	10	1-1/2	1	5	18x65	24x50	116x40x96	150x40x96	1 500	2,335
MRG-150-2	150,000 75	69	97	10	2	1	5	10000	24X00	1100400090	130340390	1,590	2,333
MR-210-1-1/2	210,000 105	64	86	12	1-1/2	1	7	21x62	24x50	122x42x98	159x42x98	2,030	2,970
MRG-210-2	210,000 105	80	110	12	2	1		21102		122542830	133442430	2,030	2,370
MRG-300-2	300,000 150	82	115	15	2	1	10	24x72	24x60	130x46x101	170x46x101	2.710	3.965
MRG-300-3	300,000 150	140	190	3	1	10	22				_,	0,000	
MRG-450-2	450,000 225	92	125	20	2	1	15	30x72	30x60	150x52x106	196x52x106	3,830	5,620
MRG-450-3	450,000 225	165	230	20	3	1	15	00012			1000020100	0,000	0,020
MRG-600-2	600,000 300	110	150	30	2	1-1/2	20	36x72	39x60	170x58x106	222x58x106	4,950	7,250
MRG-600-3	600,000 300	175	250	00	3	1-1/2	20	OUXTE	OUXUU	1700000100	ZZZXOOX 100	4,000	7,200
MRG-750-2	750,000 375	135	185	45	2	2	25	42x72	39x60	182x64x108	240x64x108	7,090	10,370
MRG-750-3	750,000 375	195	285	3	3	2	25	25 42X/2	33,00	102,04,100	Z4UX04X108	7,000	10,370
MRG-900-3	900,000 450	188	279	45	3	2	30	42x72	42x60	185x64x108	243x64x108	7,620	11,200
MRG-1200-3	1,200,000 600	215	300	60	3	2	40	48x72	50x60	205x70x112	268x70x112	9,840	14,500
MRG-1500-3	1,500,000 750	235	325	110	3	3	50	63x86	66x46	250x85x113	330x85x113	15,250	22,600

'MRG' Series Twin



'MRG' Series Triple



- $oldsymbol{0}$ Salt dosage equal to 15 lbs. per cu. ft. resin for maximum exchange capacity.
- 2 At a pressure drop not exceeding 15 psig.
- **3** At a pressure drop not exceeding 25 psig.
- **4** Brine tanks designed for a salt storage of at least 4 regeneration cycles.
- **6** Dimensions are estimate only. Actual dimensions depend on service header size and brine tank location.
- **6** Shipping weights are estimate only. Weights include resin and gravel.



'MRG' Series Water Softener Systems



Overview

The Marlo 'MRG' Series water softener system offers a corrosion resistant alternative for commercial & industrial applications. Equipped with FRP resin tanks and external control valve manifold, it achieves higher service flow rates than traditional top-mount, multi-port valve configurations. All systems are completely factory skid mounted, pre-piped, pre-wired, and pre-tested for minimal installation time and cost. Standard designs available for twin and triple tank configurations.

Standard Features

- Composite FRP resin tank with tri-pod base
- Aquamatic diaphragm style control valves
- Volume and/or time initiated regeneration cycle
- Polyethylene brine tank assembly
- Air or water actuated control valves
- High capacity, cation exchange resin
- Tank isolation valves & system bypass valve
- Inlet/Outlet tank sampling valves
- Factory Hydro-tested at 100 psig

Materials of Construction

• Resin Tanks: FRP

• Exterior Piping: Sch 80 PVC

• Internal Distributors: Sch 80 PVC / ABS

Control Valves: Noryl Thermoplastic

• Skid: Painted, Carbon Steel

Instrumentation / Controls

- Marlo MX-II electronic system controller
- Alternating or parallel progressive flow control
- NEMA-4X electrical enclosures
- Signet paddle-type flow sensors
- Inlet/Outlet tank pressure gauges

Operating Parameters

• Inlet Pressure: 30-100 psig

• Electrical: 120VAC, 1-Ph, 60 Hz.

• Temperature: 35-110°F

- ASME rated resin tanks
- Allen-Bradley PLC systems
- Brine pump systems
- CPVC exterior piping
- Butterfly control valves (air-operated)
- Alternate ion exchange resins
- Online hardness monitor
- Polyurethane skid painting
- 'SRS' Salt Recycling Systems

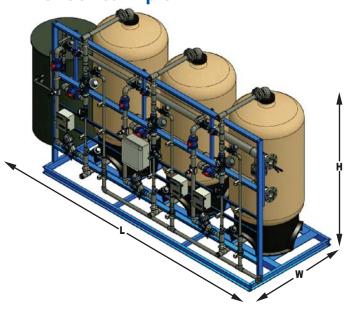
'MRG' Series Specifications

	CAPACITY (Grains)	FLOW RATES (PER TANK)			PIPE	SIZE	RESIN	TANK SIZES		OVERALL D	IMENSIONS	SHIPPING WEIGHT	
MODEL NUMBER	SALT DOSAGE (LBS.)	SERVICE		BACKWASH	SERVICE	DRAIN	KESIN	SOFTENER	BRINE 4	(LxWxH, INCHES) 6		(LBS.) ઉ	
NUMBER	MAX.	CONT. GPM 2	PEAK GPM 6	GPM	INCHES	INCHES	CU. FT.	INCHES	INCHES	TWIN	TRIPLE	TWIN	TRIPLE
MRG-150-1-1/2	150,000 75	55	78	10	1-1/2	1	5	18x65	24x50	116x40x96	150x40x96	1 500	2,335
MRG-150-2	150,000 75	69	97	10	2	1	5	10000	24X00	1100400090	130340390	1,590	2,333
MR-210-1-1/2	210,000 105	64	86	12	1-1/2	1	7	21x62	24x50	122x42x98	159x42x98	2,030	2,970
MRG-210-2	210,000 105	80	110	12	2	1		21102		122542830	133442430	2,030	2,370
MRG-300-2	300,000 150	82	115	15	2	1	10	24x72	24x60	130x46x101	170x46x101	2.710	3.965
MRG-300-3	300,000 150	140	190	3	1	10	22				_,	0,000	
MRG-450-2	450,000 225	92	125	20	2	1	15	30x72	30x60	150x52x106	196x52x106	3,830	5,620
MRG-450-3	450,000 225	165	230	20	3	1	15	00012			1000020100	0,000	0,020
MRG-600-2	600,000 300	110	150	30	2	1-1/2	20	36x72	39x60	170x58x106	222x58x106	4,950	7,250
MRG-600-3	600,000 300	175	250	00	3	1-1/2	20	OUXTE	OUXUU	1700000100	ZZZXOOX 100	4,000	7,200
MRG-750-2	750,000 375	135	185	45	2	2	25	42x72	39x60	182x64x108	240x64x108	7,090	10,370
MRG-750-3	750,000 375	195	285	3	3	2	25	25 42X/2	33,00	102,04,100	Z4UX04X108	7,000	10,370
MRG-900-3	900,000 450	188	279	45	3	2	30	42x72	42x60	185x64x108	243x64x108	7,620	11,200
MRG-1200-3	1,200,000 600	215	300	60	3	2	40	48x72	50x60	205x70x112	268x70x112	9,840	14,500
MRG-1500-3	1,500,000 750	235	325	110	3	3	50	63x86	66x46	250x85x113	330x85x113	15,250	22,600

'MRG' Series Twin



'MRG' Series Triple



- $oldsymbol{0}$ Salt dosage equal to 15 lbs. per cu. ft. resin for maximum exchange capacity.
- 2 At a pressure drop not exceeding 15 psig.
- **3** At a pressure drop not exceeding 25 psig.
- **4** Brine tanks designed for a salt storage of at least 4 regeneration cycles.
- **6** Dimensions are estimate only. Actual dimensions depend on service header size and brine tank location.
- **6** Shipping weights are estimate only. Weights include resin and gravel.

