



FCV

TAW FCV and M.R.S WATER softeners are high quality compact water softening systems designed to use ion exchange resins and are supplied complete with regeneration tanks and programming panel all enclosed in a corrosion resistant casing.

Water softening is the removal of calcium, magnesium and certain other metal cations in hard water and is usually achieved using ion exchange resins. The presence of certain ions in water interferes with the action of soaps, leads to build up of lime scale and it causes blockage and corrosion in pipes. In the softening process, hardness ions are exchanged for sodium ions and when the sodium ions are exhausted, then the regeneration process is done by recharging the resin using a solution of sodium chloride. The resulting soft water is more compatible with soap, and extends the lifetime of plumbing.



M.R.S

FCV TECHNICAL DATA

Item No	FCV09-25(T)
Regeneration cycle	3days(programmable)
Default regeneration start time	2:00(programmable)
Regeneration time	Approx. 60minutes
In let water quality	Standard municipal water
Rated flow	≥1.5ton/hour
Optimal working pressure	0.15-0.3psi
Inlet water temperature	1°C-45°C
Power supply	110-220V/50~60Hz
Resin Volume	20L
Unit dimension(LxWxH mm)	400x220x1045
Unit weight	<25kgs(net weight not including salt)

M.R.S TECHNICAL DATA

MODEL	REGENERATION OPTION	WATER OUTPUT T/H	INLET/OUTLET SIZE(Inch)	FILTER SIZE (mm) D x H	No: OF FILTERS	BRINE TANK SIZE	RESIN (Kgs)	ACTIVE CARBON (Kgs)	QUARTZ SAND (Kgs)
MRS-1-T	TIMER CONTROLLED	1 ~ 2	3 ~ 4	250 x 1400	3	1 x 100L	50 ~ 75	25	70
MRS-1-F	VOLUME CONTROLLED	1 ~ 2	3 ~ 4	250 x 1400	3	1 x 100L	50 ~ 75	25	70
MRS-2-T	TIMER CONTROLLED	4	1"	400 x 1600	3	1 x 200L	150	75	225
MRS-2-F	VOLUME CONTROLLED	4	1"	400 x 1600	3	1 x 200L	150	75	225
MRS-3-T	TIMER CONTROLLED	5	1"	500 x 1800	3	1 x 350L	250	150	425
MRS-3-F	VOLUME CONTROLLED	5	1"	500 x 1800	3	1 x 350L	250	150	425
MRS-4-T	TIMER CONTROLLED	10	1.5"	600 x 1800	3	1 x 500L	500	250	600
MRS-4-F	VOLUME CONTROLLED	10	1.5"	600 x 1800	3	1 x 500L	500	250	600
MRS-5-T	TIMER CONTROLLED	20	2"	1000 x 1800	3	1 x 1000L	1000	450	1000
MRS-5-F	VOLUME CONTROLLED	20	2"	1000 x 1800	3	1 x 1000L	1000	450	1000
MRS-6-T	TIMER CONTROLLED	25	2"	1200 x 1800	3	1 x 1000L	1250	700	1800
MRS-6-F	VOLUME CONTROLLED	25	2"	1200 x 1800	3	1 x 1000L	1250	700	1800
MRS-7-T	TIMER CONTROLLED	50	3"	1400 x 2400	3	1 x 2000L	2500	1000	2300
MRS-7-F	VOLUME CONTROLLED	50	3"	1400 x 2400	3	1 x 2000L	2500	1000	2300