

Mechanical Control Valve



- Fully adjustable 5-cycle control delivers controlled upflow backwash, downflow brining and slow rinse, rapid rinse, timed brine refill and downflow service
- Solid lead-free brass valve body for superior strength and durability
- No hard water bypass piston design
- Consistent brining regardless of salt levels with timed brine refills
- Time-tested hydraulically balanced piston, seal and spacer design to pilot service flow and regeneration
- Ideal for filter applications
- Flanged valve body design for convenient maintenance
- 1-1/2" top mount control valve ideal for smaller size commercial or industrial applications
- Side mount adaptor option

F series Mechanical Control Valve Model

F21	Mechanical Filter Timer Control Valve
F22	Mechanical Softener Timer Control Valve

F series Mechanical Control Valve

Controller Specifications

Controller Material	Lead-Free brass
Inlet/Outlet Fittings	1" or 1/2"NPTF
Cycles	5
Regeneration	Down Flow 164 Mins

Flow Rate-Valve Only

Service @ 15psi Drop	51gpm
Peak Service @ 25psi Drop	66gpm
Peak Backwash @ 25psi Drop	49gpm
CV Service @ 1 psi Drop	13.2
CV Backwash @ 1psi Drop	9.8

Regeneration

Downflow/Upflow	Downflow only
Adjustable Cycles	Yes
Time Available	Electromechanical: 164 Mins SXT: 0-99 Mins per cycle NXT: 240 Mins per cycle XT: Up to 240 Mins per cycle

Meter Information

Meter Accuracy	7/10-40 GPM \pm 5% (1") 1-1/2-75 GPM \pm 5% (1-1/2")
Meter Capacity Range (gal.)	
1" Standard	310-5,270
1" Extended	1,150-26,350
1-1/2" Standard	625-10,625
1-1/2" Extended	3,125-53,125
3200NT	2,900,000
3214NT	9,900,000
XT	1,000-9,900,000

Dimensions

Distributor Pilot	1-9/10"O.D.
Drain Line	1"NPTM
Injector Brine System	1600&1650-3/8"
	1700-1/2"
Brine Line	3/8"&1/2"
Mounting Base	4"-8UN
Height from top of tank	6-1/2"

Additional Information

Electrical Rating	24V,110V,220V-50Hz,60Hz
Max VA	72
Estimated Shipping Weight	Time Clock: 19lbs Meter Valve: 27lbs
Pressure	Hydrostatic: 300psi Working: 20-125psi
Temperature	34 -110 F