

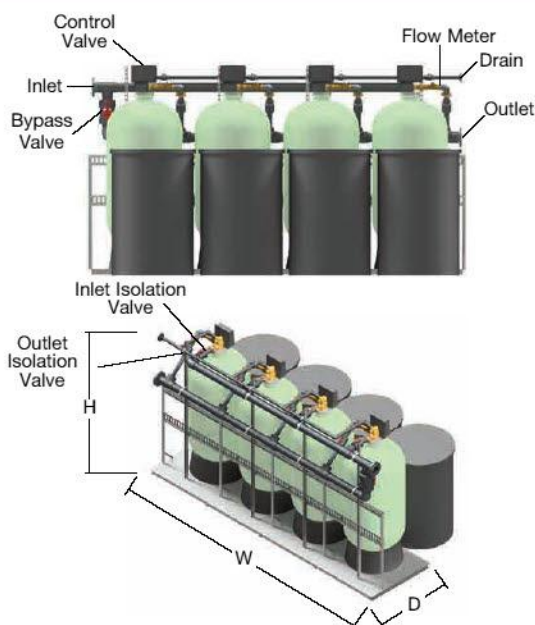
### Water Softeners Pre-Plumbed & Skid Mounted with 2900 Control Valves

Ideal for commercial and industrial applications where high flow and high capacities are required.

Watts' pre-engineered, pre-plumbed, skid mounted water softeners with Fleck 2900 brass control valves are suitable for peak flow rates up to 420 GPM. Twin alternating and 2-4 tank parallel systems are available. Parallel systems include flow demand staging to accommodate wide variances in flow rate. All systems come standard with no hard water bypass pistons, powder coated steel skids, and schedule 80 PVC pre-plumbed inlet, outlet and drain headers.

#### Features & Benefits

- Pre-plumbed and skid mounted for ease of installation
- Schedule 80 PVC inlet, outlet and drain headers with inlet and outlet isolation valves for each tank
- Bypass valve between inlet and outlet headers
- Powder coated steel skid
- 2" valves for high flow rates
- Pre-engineered Twin Alternating (TA), Twin Interlocked (TI), Triplex (TR) and Quadplex (QD) configurations
- Models for capacities to 600,000 grains per tank
- User friendly Fleck 2900 control valves
- Flow demand staging available on TI, TR and QD models
- Each mineral tank has its own brine tank on model TI, TR and QD systems
- No hard water bypass pistons standard on all systems
- All systems have Fleck brass in-line flow meters



QD System with 2900 Control Valves

#### Specifications

VALVE	FLECK 2900 TOP MOUNT VALVE (2")
Valve body	Brass
Types	Metered NXT
By-pass	Isolation valve on each control valve inlet and outlet with bypass valve between inlet and outlet headers
Mineral tanks	Corrosion resistant FRP. NSF.
Brine tanks	Polyethylene; fully assembled
Media	Cation resin; high capacity

#### Options

- ASME code mineral tanks (24" and above)
- Inlet and outlet sample ports and pressure gauges
- Brine Tank Safety Float(s)

MODEL NO.	GRAIN CAPACITY PER TANK (MAX.)	MAIN HEADERS - DRAIN PIPE SIZE (IN.)	NO. OF TANKS - METERS	MINERAL TANK		BRINE TANK		FLOW RATE & PRESSURE			FLOOR SPACE* D X W X H	SHIP WT. (LBS)
				TANK SIZE	RESIN FT3 PER TANK	NO. - SIZE	SALT FILL (LBS)	SERVICE (GPM)	DROP (PSI)	BKW (GPM)		

#### Water Softeners with Fleck 2900 NXT Metered Control Valves Pre-Plumbed & Skid Mounted

M4052TA-PPSM	210,000	2-1	2-1	21"x62"	7	1-24x50	800	60-77	15-25	12	42" x 82" x 90"	2100
M4052TI-PPSM	210,000	3-1	2-2	21"x62"	7	2-24X50	1600	120-154	15-25	12	42" x 78" x 90"	2100
M4052TR-PPSM	210,000	3-1	3-3	21"x62"	7	3-24X50	2400	180-231	15-25	12	42" x 114" x 90"	3050
M4052QD-PPSM	210,000	4-1	4-4	21"x62"	7	4-24X50	3200	240-308	15-25	12	42" x 150" x 90"	3850
M4058TA-PPSM	300,000	2-1	2-1	24"x72"	10	1-30X50	1200	74-97	15-25	15	42" x 82" x 95"	2200
M4058TI-PPSM	300,000	3-1	2-2	24"x72"	10	2-30X50	2400	148-194	15-25	15	42" x 78" x 95"	2320
M4058TR-PPSM	300,000	4-1	3-3	24"x72"	10	3-30X50	3600	222-291	15-25	15	42" x 114" x 95"	3380
M4058QD-PPSM	300,000	4-1	4-4	24"x72"	10	4-30X50	4800	296-388	15-25	15	42" x 150" x 95"	4290
M4059TA-PPSM	450,000	2-1	2-1	30"x72"	15	1-39X48	2200	80-100	15-25	25	48" x 102" x 100"	3450
M4059TI-PPSM	450,000	3-1	2-2	30"x72"	15	2-39X48	4400	160-200	15-25	25	48" x 91" x 100"	3520
M4059TR-PPSM	450,000	4-1	3-3	30"x72"	15	3-39X48	6600	240-300	15-25	25	48" x 114" x 100"	4780
M4059QD-PPSM	450,000	4-1	4-4	30"x72"	15	4-39X48	8800	320-400	15-25	25	48" x 150" x 100"	6090
M4060TA-PPSM	600,000	2-1 1/2	2-1	36"x72"	20	1-39X60	2200	84-105	15-25	35	48" x 102" x 100"	4250
M4060TI-PPSM	600,000	3-1 1/2	2-2	36"x72"	20	2-39X60	4400	168-210	15-25	35	48" x 91" x 100"	4320
M4060TR-PPSM	600,000	4-1 1/2	3-3	36"x72"	20	3-39X60	6600	252-315	15-25	35	48" x 114" x 100"	5980
M4060QD-PPSM	600,000	4-1 1/2	4-4	36"x72"	20	4-39X60	8800	336-420	15-25	35	48" x 150" x 100"	7690

#### Note:

\* Skid dimensions do not reflect brine tank space requirements. For total system space requirements, obtain the additional brine tank quantity and foot print of each from the chart above.

#### NOTICE

Flow rates listed above are based on pressure drop only. Selecting a system based on pressure drop alone does not guarantee that the system will provide adequately softened water. System selection should be based on resin quantity, capacity required, feed water analysis, and application requirements. Flow rates are expressed with all available tanks in service, operating in parallel. In the event a model TI, TR or QD system regenerates, the published service flow rate will be reduced by a factor of one tank. This must be taken into account when system sizing and selection is being conducted.



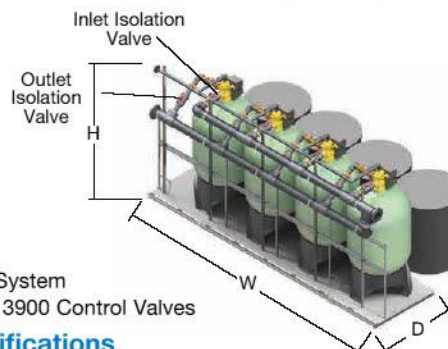
## Water Softeners Pre-Plumbed & Skid Mounted with 3900 Control Valves

Ideal for commercial and industrial applications where high flow and high capacities are required.

Watts' pre-engineered, pre-plumbed, skid mounted water softeners with Fleck 3900 brass control valves are suitable for peak flow rates up to 1,120 GPM. Twin alternating and 2-4 tank parallel systems are available. Parallel systems include flow demand staging to accommodate wide variances in flow rate. All systems come standard with no hard water bypass pistons, powder coated steel skids, and schedule 80 PVC pre-plumbed inlet, outlet and drain headers.

### Features & Benefits

- Pre-plumbed and skid mounted for ease of installation
- Schedule 80 PVC inlet, outlet and drain headers with inlet and outlet isolation valves for each tank
- Bypass valve between inlet and outlet headers
- Powder coated steel skid
- 3" valves for high flow rates
- Pre-engineered Twin Alternating (TA), Twin Interlocked (TI), Triplex (TR) and Quadplex (QD) configurations
- Flow demand staging available on TI, TR and QD models
- Models for capacities to 1,050,000 grains per tank
- User friendly Fleck 3900 control valves
- Each mineral tank has its own brine tank on model TI, TR and QD systems
- No hard water bypass pistons standard on all systems
- All systems have Fleck brass in-line flow meters



QD System  
with 3900 Control Valves

### Specifications

VALVE	FLECK 3900 TOP MOUNT VALVE
Valve body	Brass
Types	Metered NXT
By-pass	Isolation valve on each control valve inlet and outlet with bypass valve between inlet and outlet header
Mineral tanks	Corrosion resistant FRP. NSF.
Brine tanks	Polyethylene; fully assembled
Media	Cation resin; high capacity

### Options

- ASME code mineral tanks
- Inlet and outlet sample ports and pressure gauges
- Brine Tank Safety Float(s)

MODEL NO.	GRAIN CAPACITY PER TANK (MAX.)	MAIN HEADERS - DRAIN PIPE SIZE (IN.)	NO. OF TANKS - METERS	MINERAL TANK		BRINE TANK		FLOW RATE & PRESSURE			FLOOR SPACE* D X W X H	SHIP WT. (LBS)
				TANK SIZE	RESIN FT3 PER TANK	NO. - SIZE	SALT FILL (LBS)	SERVICE (GPM)	DROP (PSI)	BKW (GPM)		

### Water Softeners with Fleck 3900 NXT Metered Control Valves Pre-Plumbed & Skid Mounted

M4110TA-PPSM	300,000	3-1	2-1	24"x72"	10	1-30X50	1200	120-170	15-25	15	54" x 110" x 109"	3300
M4110TI-PPSM	300,000	4-1	2-2	24"x72"	10	2-30X50	2400	240-340	15-25	15	54" x 110" x 109"	3420
M4110TR-PPSM	300,000	4-1	3-3	24"x72"	10	3-30X50	3600	360-510	15-25	15	52" x 160" x 109"	5030
M4110QD-PPSM	300,000	6-1	4-4	24"x72"	10	4-30X50	4800	480-680	15-25	15	56" x 205" x 109"	6770
M4112TA-PPSM	450,000	3-1 1/2	2-1	30"x72"	15	1-39X48	2200	158-212	15-25	25	54" x 110" x 112"	4230
M4112TI-PPSM	450,000	4-1 1/2	2-2	30"x72"	15	2-39X48	4400	316-424	15-25	25	54" x 110" x 112"	4480
M4112TR-PPSM	450,000	6-1 1/2	3-3	30"x72"	15	3-39X48	6600	474-636	15-25	25	52" x 160" x 112"	6620
M4112QD-PPSM	450,000	6-1 1/2	4-4	30"x72"	15	4-39X48	8800	632-848	15-25	25	56" x 205" x 112"	8890
M4114TA-PPSM	600,000	3-1 1/2	2-1	36"x72"	20	1-39X60	2700	185-250	15-25	35	54" x 110" x 115"	5250
M4114TI-PPSM	600,000	4-1 1/2	2-2	36"x72"	20	2-39X60	5400	370-500	15-25	35	54" x 110" x 115"	5310
M4114TR-PPSM	600,000	6-1 1/2	3-3	36"x72"	20	3-39X60	8100	555-750	15-25	35	52" x 160" x 115"	7860
M4114QD-PPSM	600,000	6-1 1/2	4-4	36"x72"	20	4-39X60	10800	740-1000	15-25	35	56" x 205" x 115"	10550
M4116TA-PPSM	900,000	3-2	2-1	42"x72"	30	1-42X60	3100	200-268	15-25	50	66" x 125" x 121"	7880
M4116TI-PPSM	900,000	4-2	2-2	42"x72"	30	2-42X60	6200	400-536	15-25	50	66" x 130" x 121"	8230
M4116TR-PPSM	900,000	6-2	3-3	42"x72"	30	3-42X60	9300	600-804	15-25	50	66" x 185" x 121"	12230
M4116QD-PPSM	900,000	6-2	4-4	42"x72"	30	4-42X60	12400	800-1072	15-25	50	66" x 240" x 121"	16230
M4118TA-PPSM	1,050,000	3-2	2-1	48"x72"	35	1-50X60	4500	213-280	15-25	60	66" x 125" x 121"	9930
M4118TI-PPSM	1,050,000	6-2	2-2	48"x72"	35	2-50X60	9000	426-560	15-25	60	66" x 130" x 121"	10330
M4118TR-PPSM	1,050,000	6-2	3-3	48"x72"	35	3-50X60	13500	639-840	15-25	60	66" x 185" x 121"	15380
M4118QD-PPSM	1,050,000	6-2	4-4	48"x72"	35	4-50X60	18000	852-1120	15-25	60	66" x 240" x 121"	20430

#### Note:

\* Skid dimensions do not reflect brine tank space requirements. For total system space requirements, obtain the additional brine tank quantity and foot print of each from the chart above.

### NOTICE

Flow rates listed above are based on pressure drop only. Selecting a system based on pressure drop alone does not guarantee that the system will provide adequately softened water. System selection should be based on resin quantity, capacity required, feed water analysis, and application requirements. Flow rates are expressed with all available tanks in service, operating in parallel. In the event a model TI, TR or QD system regenerates, the published service flow rate will be reduced by a factor of one tank. This must be taken into account when system sizing and selection is being conducted.



### Water Softeners with 2900 and 3900 Control Valves and No Hard Water Bypass Pistons

Ideal for commercial and industrial applications where high flow and high capacities are required and system footprint needs to be flexible.

Watts offers 2" and 3" single tank water softening systems with no hard water bypass pistons. Each system comes with a mineral tank, media, control valve, meter, and brine tank. These systems are designed to be ordered in multiples and installed in parallel so that duplex, triplex and quad systems can be created and field installed. These systems include flow demand staging to accommodate peak flow rates up to 1,120 GPM.

#### Features & Benefits

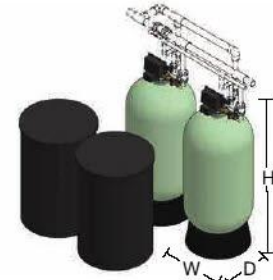
- Easily create duplex, triplex and quad system with flow demand staging
- Systems available with 2" or 3" valves
- Models for capacities to 1,050,000 grains per tank
- Arrange up to 4 tanks in parallel for flow rates up to 1,120 GPM
- All systems have no hard water bypass pistons
- Each system is complete with brine tank & meter
- All systems have Fleck brass in-line flow meters

#### Options

- ASME code mineral tanks (24" and above)
- Brine Tank Safety Floats



M4118NT-NH (X4)



M4059NT-NH (X2)

#### Specifications

VALVE	FLECK 2900 & 3900 TOP MOUNT VALVES
Valve body	Brass
Pipe size	2" or 3"
Types	Metered NXT
By-pass	None
Mineral tanks	Corrosion resistant FRP. NSF.
Brine tanks	Polyethylene; fully assembled
Media	Cation resin; high capacity

MODEL NO.	CAPACITY (MAX.)	PIPE SIZE (IN.)	MINERAL TANK		BRINE TANK		FLOW RATE & PRESSURE			FLOOR SPACE* D X W X H	SHIP WT. (LBS)
			TANK SIZE	RESIN FT3	SIZE	SALT FILL (LBS)	SERVICE (GPM)	DROP (PSI)	BKW (GPM)		

#### Water Softeners with Fleck 2900 NXT Metered Control Valves & No Hard Water Bypass Pistons

M4052NT-NH	210,000	2	21"x62"	7	24X50	800	60-77	15-25	12	21" x 25" x 81"	600
M4058NT-NH	300,000	2	24"x72"	10	30X50	1200	74-97	15-25	15	24" x 27" x 88"	710
M4059NT-NH	450,000	2	30"x72"	15	39X48	2200	80-100	15-25	25	30" x 30" x 94"	1160
M4060NT-NH	600,000	2	36"x72"	20	39X60	2200	84-105	15-25	35	36" x 36" x 97"	1560

#### Water Softeners with Fleck 3900 NXT Metered Control Valves & No Hard Water Bypass Pistons

M4110NT-NH	300,000	3	24"x72"	10	30X50	1200	120-170	15-25	15	26" x 38" x 95"	1095
M4112NT-NH	450,000	3	30"x72"	15	39X48	2200	158-212	15-25	25	31" x 41" x 98"	1625
M4114NT-NH	600,000	3	36"x72"	20	39X60	2700	185-250	15-25	35	37" x 44" x 101"	2040
M4116NT-NH	900,000	3	42"x72"	30	42X60	3100	200-268	15-25	50	44" x 47" x 109"	3270
M4118NT-NH	1,050,000	3	48"x72"	35	50X60	4500	213-280	15-25	60	50" x 50" x 109"	4320

\* Floor Space dimensions do not reflect brine tank space requirements. For total system space requirements, obtain the additional brine tank quantity and footprint of each from the chart above.

#### NOTICE

Flow rates listed above are based on pressure drop only. Selecting a system based on pressure drop alone does not guarantee that the system will provide adequately softened water. System selection should be based on resin quantity, capacity required, feed water analysis, and application requirements. Pre-plumbing and skid mounting are not available on these systems. For pre-plumbed skid mounted systems see catalog page 34 & 35.