

105STS Single Valve Series Commercial Water Softener

Canature WaterGroup[™] has dedicated professional engineers with decades of commercial water treatment experience. Over the years, they have built a reputation for designing efficient, high quality commercial water softener systems.

Our 105STS Series single valve softeners provide up to 50 gpm of high quality soft water. The system is engineered and thoroughly tested to provide years of reliable, trouble free performance with minimal maintenance.

Operating Parameters

- Operating pressure: 20 - 100 psi
- Operating temperature: 39 - 100° F
- Electrical: Input 120V 60 Hz - Output 12V

Materials of Construction

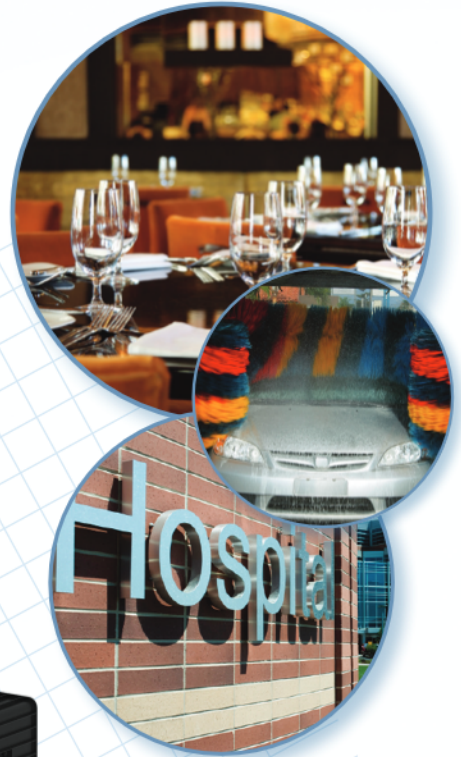
- Control Valve: Plastic PPO (Noryl) - NSF 44 Certified
- Resin Tanks: Corrosion resistant fibreglass reinforced polyethylene - NSF 44 Certified
- Brine Tank: High density polyethylene (includes plastic salt plate, brine well & cap, air check and safety float)
- Ion Exchange Resin: High Capacity IAPMO certified 8% Canature resin
- Internal Distributors
- NSF 44 Certified for Materials and Structural Integrity Requirements

Standard Features

- High flow control valve with RWB piston (standard)
- Large display: Fully programmable and easy to set electronic controller
- Inlet/Outlet connection sizes available in 1.5", and 2.0"
- Advanced Diagnostic Information: Easily trouble shoot and access system information displayed in real time
- Optional Auxiliary Contact: activated for regeneration cycle
- Battery Back Up System: In the event of a power loss, the system can continue to meter and monitor water usage for up to 9 hours



105 Valve



For Applications Such As:

- Apartments • Boiler Treatment • Cooling Towers • Motels • Schools • Nursing Homes
Car Wash • Dairies • Factories • Laundromats • Office Buildings • Resorts
Restaurants • RO Pre-treatment • Office Buildings • Hospitals

105STS Single Valve Series Commercial Water Softener: Specifications

Model (Single)	FLOW RATE IS PER TANK															
	Capacity	Resin	Salt Usage		Critical Flow	105			Max Flow To Drain	Dimensions		Installation			Shipping Weight	Operating Weight
	@6 lbs/ft ³	ft ³	@15 lbs/ft ³	@10 lbs/ft ³		@ 15 PSI	@ 25 PSI	Flow To Drain		Mineral Tank	Brine Tank	Height	Depth	width		
	@10 lbs/ft ³	m ³	lbs	lbs	USGPM	USGPM	USGPM	USGPM	in	in	in	in	in	lbs	lbs	
		kg	kg	l/s	l/s	l/s	l/s	mm	mm	mm	mm	mm	kg	kg		
105STS 90 -1.5"	66,000	3	45	30	15	34	47	5	14 x 65	24 x 37	86	37	47	300	1,500	
	81,000	0.08	20.4	13.6	0.95	2.15	2.97	0.32	356 x 1651	610 x 940	2,184	940	1,194	136	681	
105STS 120 -1.5"	88,000	4	60	40	20	39	56	7	16 x 65	24 x 37	88	37	49	390	1,690	
	108,000	0.11	27.2	18.1	1.26	2.46	3.53	0.44	403 x 1651	610 x 940	2,235	940	1,245	177	767	
105STS 150 -2"	110,000	5	75	50	25	43	61	9	18 x 65	24 x 37	88	37	51	483	1,883	
	135,000	0.14	34.09	22.7	1.58	2.71	3.85	0.57	475 x 1651	610 x 940	2,235	940	1,295	219	854	
105STS 180 -2"	132,000	6	90	60	30	47	68	12	21 x 62	29 x 50	88	40	59	570	2,100	
	162,000	0.17	40.91	27.2	1.89	2.97	4.29	0.76	533 x 1575	740 x 1275	2,235	1,016	1,499	259	953	
105STS 210 -2"	154,000	7	105	70	35	46	66	12	21 x 62	29 x 50	88	40	59	623	2,723	
	189,000	0.2	47.73	31.8	2.21	2.90	4.16	0.76	533 x 1575	740 x 1275	2,235	1,016	1,499	283	1,235	
105STS 240 -2"	176,000	8	120	80	40	50	71		24 x 72	33 x 53	96	42	66	696	3,096	
	216,000	0.23	54.55	36.3	2.52	3.15	4.48	0.95	610 x 1829	840 x 1335	2,438	1,067	1,676	316	1,405	
105STS 270 -2"	198,000	9	135	90	45	49	70	15	24 x 72	33 x 53	96	42	66	761	3,661	
	243,000	0.25	61.36	40.8	2.84	3.09	4.42	0.95	610 x 1829	840 x 1335	2,438	1,067	1,676	345	1,661	
105STS 300 -2"	220,000	10	150	100	45	48	69	15	24 x 72	33 x 53	96	42	66	814	3,714	
	270,000	0.28	68.18	45.4	2.84	3.03	4.35	0.95	610 x 1829	840 x 1335	2,438	1,067	1,676	369	1,685	
105STS 360 -2"	264,000	12	180	120	50	54	76	25	30 x 72	33 x 53	107	42	72	1,070	4,470	
	324,000	0.34	81.82	54.4	3.15	3.41	4.79	1.58	762 x 1829	840 x 1335	2,718	1,067	1,829	485	2,028	
105STS 390 -2"	286,000	13	195	130	50	54	76	25	30 x 72	38 x 55	107	46	77	1,139	5,439	
	351,000	0.37	88.64	59	3.15	3.41	4.79	1.58	762 x 1829	965 x 1397	2,718	1,168	1,956	517	2,468	
105STS 450 -2"	330,000	15	225	150	50	52	75	25	30 x 72	38 x 55	107	46	77	1,245	5,545	
	405,000	0.42	102.27	68.1	3.15	3.15	4.73	1.58	762 x 1829	965 x 1397	2,718	1,168	1,956	565	2,516	



NSF 44 Certified for Materials and Structural Integrity Requirements*

* Valve and tank are NSF 44



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