

DCS1



Engineered Water Treatment Solutions

★ Since 1932 ★



Sizes To Fit Almost All Applications
Single, Twin and Triple Tank Configurations

Flow Rates Up To 85gpm/ Tank

Capacities Up To 600,000 Grains/ Tank

www.diamondh2o.com



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High Efficiency: Saves you money on salt and water.

Smart: NEW logix controller provides you greater control including fully programmable cycle times.

Easy To Read LCD Display: Displays flow rate, capacity remaining and unit online.



Durable, Corrosion Resistant, "Noryl": Valve construction provides years of reliable, highly efficient operation.

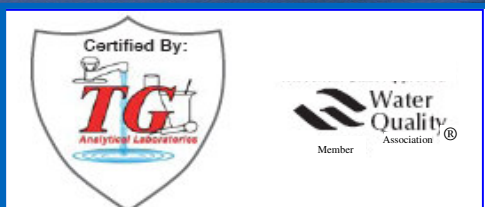
Reduced Installation Cost: Built in, easy to service turbine meter standard on all DCS1 models.

Versatile Twin System: With the push of a button you can change your softener from a twin alternating to high flow twin parallel operation.



Optional Equipment

- ◇ Pre-plumbed Headers (Copper or PVC)
- ◇ Remote Mount Electronics
- ◇ External Cam Switch



These conditioners will not purify or make your water safe to drink. Product improvements and design changes subject to change without notice.

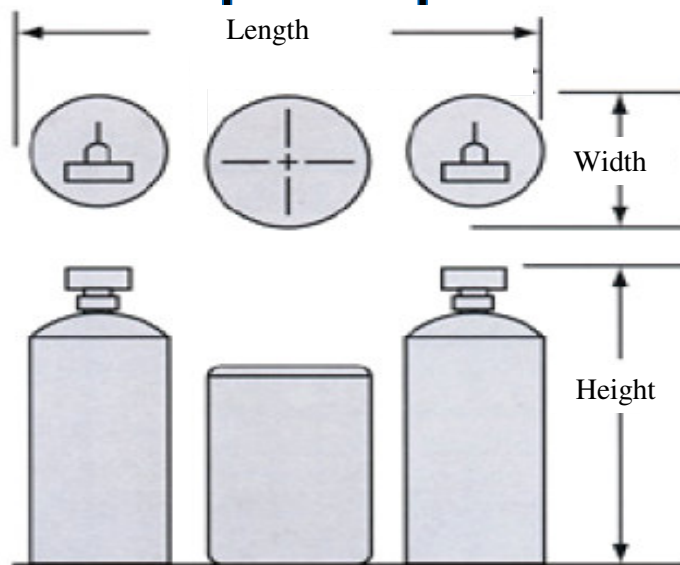
Manufactured By:

Diamond H2O
N1022 Quality Drive
PO BOX 170
Greenville, WI 54942

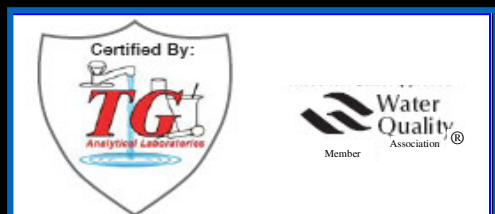
Phone: (800) 236-8931
www.diamonhdh2o.com

E-mail to: info@diamonhdh2o.com

Floor Space Requirements



Model Number	Length		Width (Inches)	Height (Inches)	Shipping Weight Lbs.	
	Single	Twin			Single	Twin
DCS1-75	37	56	20	60	218	361
DCS1-90	44	64	26	76	403	679
DCS1-120	46	68	26	76	475	824
DCS1-150	48	72	26	78	571	1014
DCS1-180	51	78	26	74	657	1185
DCS1-210	51	78	26	74	709	1289
DCS1-240	54	84	26	84	848	1570
DCS1-270	54	84	26	84	900	1674
DCS1-300	60	90	32	84	1014	1855
DCS1-450	75	111	41	92	1748	3001
DCS1-600	81	123	41	93	2158	3821



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DCS1 Specifications

Model Number	Grains of Capacity and Salt Dosage Grains / Pound (Per Tank)		Service Flow Rate/Tank (*Cont./**Peak)		Resin Cu. Ft.	Backwash Flow Rate	Tank Sizes (in.)		Salt Storage (lbs.)	Drain Size
	Max.	Min.	Cont.	Peak			Soft	Salt		

Single Tank Models

DCS1-ET-75	75,000 / 38	50,000 / 15	26	35	2.5	4	13x54	18x40	400	11/2"
DCS1-ET-90	90,000 / 45	60,000 / 18	33	45	3	5	14x65	24x50	900	11/2"
DCS1-ET-120	120,000 / 60	80,000 / 24	42	59	4	7	16x65	24x50	900	11/2"
DCS1-ET-150	150,000 / 75	100,000 / 30	48	66	5	9	18x65	24x50	900	11/2"
DCS1-ET-180	180,000 / 90	120,000 / 36	56	74	6	12	21x62	24x50	900	11/2"
DCS1-ET-210	210,000 / 105	140,000 / 42	55	73	7	12	21x62	24x50	900	11/2"
DCS1-ET-240	240,000 / 120	160,000 / 48	57	74	8	15	24x72	24x50	900	11/2"
DCS1-ET-270	270,000 / 135	180,000 / 54	56	73	9	15	24x72	24x50	900	11/2"
DCS1-ET-300	300,000 / 150	200,000 / 60	56	72	10	15	24x72	30x50	1400	11/2"
DCS1-ET-450	450,000 / 225	300,000 / 90	62	83	15	25	30x72	39x48	2200	11/2"
DCS1-ET-600	600,000 / 300	400,000 / 120	63	85	20	30	36x72	39x48	2200	11/2"

Twin Tank Models

DCS1-75-T2	75,000 / 38	50,000 / 15	26	35	2.5	4	13x54	18x40	400	11/2"
DCS1-90-T2	90,000 / 45	60,000 / 18	33	45	3	5	14x65	24x50	900	11/2"
DCS1-120-T2	120,000 / 60	80,000 / 24	42	59	4	7	16x65	24x50	900	11/2"
DCS1-150-T2	150,000 / 75	100,000 / 30	48	66	5	9	18x65	24x50	900	11/2"
DCS1-180-T2	180,000 / 90	120,000 / 36	56	74	6	12	21x62	24x50	900	11/2"
DCS1-210-T2	210,000 / 105	140,000 / 42	55	73	7	12	21x62	24x50	900	11/2"
DCS1-240-T2	240,000 / 120	160,000 / 48	57	74	8	15	24x72	24x50	900	11/2"
DCS1-270-T2	270,000 / 135	180,000 / 54	56	73	9	15	24x72	24x50	900	11/2"
DCS1-300-T2	300,000 / 150	200,000 / 60	56	72	10	15	24x72	30x50	1400	11/2"
DCS1-450-T2	450,000 / 225	300,000 / 90	62	83	15	25	30x72	39x48	2200	11/2"
DCS1-600-T2	600,000 / 300	400,000 / 120	63	85	20	30	36x72	39x48	2200	11/2"

*Continuous Flow Rate Calculated @ 15 psi drop

**Peak Flow Rate Calculated @ 25 psi drop

Standard Operating Specifications

Electrical Requirements - 120 Vac, 60Hz

Water Temperature - 40° to 110°

Pressure Range - 30 psi to 120 psi

Valve Inlet / Outlet Size - 2"

Note: Size plumbing in accordance with system configuration and local code