

# *Hellenbrand*

## **HVN Series**



**Manufacturers of Pre-Engineered and  
Custom Designed Water Treatment Systems for  
Commercial and Industrial Applications**

**Hellenbrand, Inc.**

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# Pre-Engineered Products



## Hellenbrand Means Quality and Reliability

*The only Waunakee in the world, a village of nearly 10,000 people in South Central Wisconsin, is the home of Hellenbrand Water Conditioners, Inc. Waunakee, an Indian name that means "Peaceful Valley", is the ideal setting for a company with a neighborly, small-town concern for its customers and dealers. Since it opened its doors in 1967, Hellenbrand has offered something you rarely find anywhere today – well designed, quality products backed up with fast, reliable service.*



# HVN Series

## Custom Systems

### Hellenbrand Softeners & Filters

20" thru 72" diameter.

Electronic or electro-mechanical controls.

Single, twin, and multiple tank units.

Options include:

- Finish painted, lined and primed, or galvanized steel vessels.
- Cast iron or Noryl, Y-Pattern diaphragm or cast iron butterfly valves.
- Galvanized or black carbon steel, stainless steel or PVC piping.
- Non-Code or ASME code vessels.
- Skid mounting (full interconnecting piping and pre-wired)
- A wide variety of operational modes.
- Filtration media (multi-media, iron removal, carbon, etc.)



## HVN Softener Model Specifications Steel Tank - Diaphragm Valve Nest – 150,000 - 900,000 Grain Units

MODEL NO. HVN-	EXCHANGE CAPACITY		QTY cu.ft.	RECOMMENDED CONTINUOUS		SERVICE FLOW PEAK		FLOW GPM	FLOW GPM	MAX FLOW GPM @	PSID MAX RATED	MINERAL TANK SIZE inches	BWF RATE gpm	BRINE MAKER DATA			
	MAXIMUM grains	MINIMUM grains		GPM	PSI-D	GPM	PSI-D	@15 PSID	@25 PSID	RATED CAP				SALT lbs	LBS SALT/REGEN max	min	SIZE inches
150-1	150,000	100,000	5	22	12	32	23	25	33	30	21	20 x 54	10.0	450	75	30	24 x 40
150-1 1/4	150,000	100,000	5	30	9	50	19	42	59	30	9	20 x 54	10.0	450	75	30	24 x 40
150-1 1/2	150,000	100,000	5	30	7	50	16	48	67	30	7	20 x 54	10.0	450	75	30	24 x 40
150-2	150,000	100,000	5	30	5	50	11	64	91	30	5	20 x 54	10.0	450	75	30	24 x 40
210-1 1/4	210,000	140,000	7	37	10	56	20	47	64	42	13	24 x 54	15.0	610	105	42	24 x 54
210-1 1/2	210,000	140,000	7	42	10	70	22	55	76	42	10	24 x 54	15.0	610	105	42	24 x 54
210-2	210,000	140,000	7	42	6	70	12	81	114	42	6	24 x 54	15.0	610	105	42	24 x 54
210-2 1/2	210,000	140,000	7	42	5	70	10	95	135	42	5	24 x 54	15.0	610	105	42	24 x 54
300-1 1/2	300,000	200,000	10	51	11	76	22	61	82	60	15	30 x 54	20.0	850	150	60	30 x 48
300-2	300,000	200,000	10	60	7	100	15	100	138	60	7	30 x 54	20.0	850	150	60	30 x 48
300-2 1/2	300,000	200,000	10	60	5	100	10	128	179	60	5	30 x 54	20.0	850	150	60	30 x 48
300-3	300,000	200,000	10	60	4	100	8	150	213	60	4	30 x 54	20.0	850	150	60	30 x 48
450-1 1/2	450,000	300,000	15	51	12	76	23	58	79	90	31	30 x 60	20.0	950	225	90	30 x 60
450-2	450,000	300,000	15	84	13	126	24	92	131	90	14	30 x 60	20.0	950	225	90	30 x 60
450-2 1/2	450,000	300,000	15	90	11	150	22	116	167	90	11	30 x 60	20.0	950	225	90	30 x 60
450-3	450,000	300,000	15	90	9	150	17	134	196	90	9	30 x 60	20.0	950	225	90	30 x 60
600-1 1/2	600,000	400,000	20	51	11	76	22	61	83	120	47	36 x 60	30.0	1250	300	120	39 x 48
600-2	600,000	400,000	20	84	11	126	20	104	144	120	19	36 x 60	30.0	1250	300	120	39 x 48
600-2 1/2	600,000	400,000	20	119	12	179	22	139	197	120	12	36 x 60	30.0	1250	300	120	39 x 48
600-3	600,000	400,000	20	120	9	200	18	172	249	120	9	36 x 60	30.0	1250	300	120	39 x 48
750-2	750,000	500,000	25	84	12	126	21	100	141	150	28	36 x 72	30.0	1630	375	150	39 x 60
750-2 1/2	750,000	500,000	25	119	13	179	23	132	190	150	18	36 x 72	30.0	1630	375	150	39 x 60
750-3	750,000	500,000	25	150	14	250	27	161	237	150	14	36 x 72	30.0	1630	375	150	39 x 60
900-2	900,000	600,000	30	84	10	126	19	110	151	180	33	42 x 60	45.0	1840	450	180	42 x 60
900-2 1/2	900,000	600,000	30	119	10	179	19	153	214	180	19	42 x 60	45.0	1840	450	180	42 x 60
900-3	900,000	600,000	30	180	13	277	24	199	286	180	13	42 x 60	45.0	1840	450	180	42 x 60

## HVN Softener Model Specifications Steel Tank - Diaphragm Valve Nest – 1.2 - 3 Million Grain Units

MODEL NO.	EXCHANGE CAPACITY		QUANTITY	SERVICE FLOW RATES				MINERAL	IN/OUT	BWF	BRINE MAKER DATA			SHIPPING	
HVN-AUTOMATIC	MAXIMUM grains	MINIMUM grains	OF RESIN cu.ft.	CONTINUOUS GPM	PSI-D	PEAK GPM	PSI-D	TANK SIZE inches	PIPE SIZE inches	RATE gpm	SALT lbs	LBS SALT/REGEN max	min	SIZE inches	WEIGHT lbs
1200-2 1/2	1,200,000	800,000	40	150	15	200	25	48 X 72	2-1/2"	60	2200	600	240	50 X 60	5850
1200-3	1,200,000	800,000	40	215	15	303	25	48 X 72	3"	60	2200	600	240	50 X 60	5900
1200-4	1,200,000	800,000	40	310	15	445	25	48 X 72	4"	60	2200	600	240	50 X 60	6000
1500-2 1/2	1,500,000	1,000,000	50	170	15	220	25	54 X 72	2-1/2"	70	4000	700	300	60 X 64	7200
1500-3	1,500,000	1,000,000	50	225	15	307	25	54 X 72	3"	70	4000	700	300	60 X 64	7050
1500-4	1,500,000	1,000,000	50	340	15	495	25	54 X 72	4"	70	4000	700	300	60 X 64	7300
1950-2 1/2	1,950,000	1,300,000	65	170	14	220	24	60 X 72	2-1/2"	90	4800	975	390	72 X 54	8450
1950-3	1,950,000	1,300,000	65	235	15	325	25	60 X 72	3"	90	4800	975	390	72 X 54	8500
1950-4	1,950,000	1,300,000	65	445	15	650	25	60 X 72	4"	90	4800	975	390	72 X 54	8600
2400-2 1/2	2,400,000	1,600,000	80	170	13	220	23	66 X 72	2-1/2"	110	5800	1200	480	72 X 64	10450
2400-3	2,400,000	1,600,000	80	245	15	340	25	66 X 72	3"	110	5800	1200	480	72 X 64	10500
2400-4	2,400,000	1,600,000	80	480	15	690	25	66 X 72	4"	110	5800	1200	480	72 X 64	10600
2400-6	2,400,000	1,600,000	80	515	15	750	25	66 X 72	6"	110	5800	1200	480	72 X 64	10900
3000-2 1/2	3,000,000	2,000,000	100	170	12	220	22	72 X 72	2-1/2"	130	7500	1500	600	90 X 54	12850
3000-3	3,000,000	2,000,000	100	255	15	355	25	72 X 72	3"	130	7500	1500	600	90 X 54	12900
3000-4	3,000,000	2,000,000	100	500	15	720	25	72 X 72	4"	130	7500	1500	600	90 X 54	13000
3000-6	3,000,000	2,000,000	100	540	15	780	25	72 X 72	6"	130	7500	1500	600	90 X 54	13300

*Product improvement designs are subject to change without notice.*



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