

## NWH Clean Water Applications

- 3 - 14" ANSI Blind Flange Design
- 3 - 14" Galvanized Carbon Steel Pipe Body, 150 Lb Construction
- 6 - 500 kW
- 240 and 480V, 1 & 3 Phase
- General Purpose, Moisture Resistant Terminal, Moisture Resistant/Explosion Proof Enclosure
- 0.475" Dia. Copper Sheath Elements (45 - 50 W/in<sup>2</sup>)
- With & Without Side Mounted AR Thermostat (60 - 250°F)
- UL, CSA ATEX and Other Third Party Approval, Listing or Certification Available

### Features

**Terminal Enclosure** — E1 General Purpose is standard. E2 Moisture Resistant/Explosion Proof or E4 Moisture Resistant Enclosures available.

**Flange** — 3 - 14" ANSI B-16.5 Blind Flange with 1/2" thermowell for thermostat bulb and a 1/8" NPT threaded opening for a thermocouple or RTD.

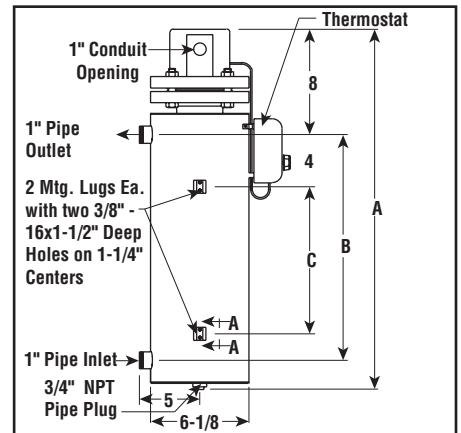
**Vessel** — Pipe body and nozzles are galvanized ASTM A53B carbon steel pipe. The end disk is galvanized ASTM A516 Grade 70 carbon steel plate. Provided with thermal insulation and painted sheet metal jacket.

**Wiring** — Convenient field wiring terminals are provided for easy installation.

**Controls** — Series 3 and 6 stock and assembly stock heaters come equipped with side mounted thermostat. Series 18 and 45 furnished without thermostat.



*Dimensions (Inches)  
NWH-3*



**Note** — Add 2" to A dimension for E2 enclosure.

### Applications

**Clean Water Heating** — Higher kilowatt ratings and larger capacity tanks for industrial and commercial water heating applications.

### Specifications and Ordering Information

kW	Volts	Ckt & Phase	Dimensions (In.)			Model	Stock	PCN	Wt. (Lbs.)
			A	B	C				
<b>Series 3 — 3 inch, 150 lb carbon steel vessel — 3 copper elements (45 W/in<sup>2</sup>) with side mounted thermostat — 1" NPT pipe inlet and outlet</b>									
6	240	1-1	32-15/16	22-1/2	16-1/2	NWH-03-006P-E1	S	100052	70
6	240	1-3	32-15/16	22-1/2	16-1/2	NWH-03-006P-E1	NS	100060	70
6	480	1-1	32-15/16	22-1/2	16-1/2	NWH-03-006P-E1	NS	010065	70
6	480	1-3	32-15/16	22-1/2	16-1/2	NWH-03-006P-E1	S	100087	70
9	240	1-1	32-15/16	22-1/2	16-1/2	NWH-03-009P-E1	NS	100183	70
9	240	1-3	32-15/16	22-1/2	16-1/2	NWH-03-009P-E1	S	100191	70
9	480	1-1	32-15/16	22-1/2	16-1/2	NWH-03-009P-E1	NS	010161	70
9	480	1-3	32-15/16	22-1/2	16-1/2	NWH-03-009P-E1	S	100212	70
12	240	1-1	42-15/16	32-1/2	26-1/2	NWH-03-012P-E1	NS	010217	80
12	240	1-3	42-15/16	32-1/2	26-1/2	NWH-03-012P-E1	S	100319	80
12	480	1-1	42-15/16	32-1/2	26-1/2	NWH-03-012P-E1	NS	010250	80
12	480	1-3	42-15/16	32-1/2	26-1/2	NWH-03-012P-E1	S	100335	80
15	240	1-1	55-7/16	45	39	NWH-03-015P-E1	NS	010313	94
15	240	1-3	55-7/16	45	39	NWH-03-015P-E1	S	100431	94
15	480	1-1	55-7/16	45	39	NWH-03-015P-E1	NS	010364	94
15	480	1-3	55-7/16	45	39	NWH-03-015P-E1	S	100458	94
18	240	1-1	55-7/16	45	39	NWH-03-018P-E1	NS	010410	94
18	240	1-3	55-7/16	45	39	NWH-03-018P-E1	S	100554	94
18	480	1-1	55-7/16	45	39	NWH-03-018P-E1	NS	010460	94
18	480	1-3	55-7/16	45	39	NWH-03-018P-E1	S	100570	94
<b>Series 6 — 5 inch, 150 lb carbon steel vessel — 6 copper elements (45 W/in<sup>2</sup>) with side mounted thermostat — 2" NPT pipe inlet and outlet</b>									
24	240	2-3	41-3/4	30	11-3/8	NWH-06-024P-E1	NS	100677	140
24	480	1-3	41-3/4	30	11-3/8	NWH-06-024P-E1	S	100693	140
30	240	2-3	48-3/4	37	14-1/8	NWH-06-030P-E1	NS	100790	155
30	480	1-3	48-3/4	37	14-1/8	NWH-06-030P-E1	S	100810	155
40	240	2-3	60-1/4	48-1/2	20-5/8	NWH-06-040P-E1	NS	100917	176
40	480	2-3	60-1/4	48-1/2	20-5/8	NWH-06-040P-E1	NS	010671	176
50	480	2-3	73-5/8	61-7/8	27-5/16	NWH-06-050P-E1	NS	010700	210
60	480	2-3	86-5/8	74-7/8	33-7/8	NWH-06-060P-E1	NS	010735	240
<b>Stock Status: S = stock NS = non-stock To Order—Specify model, volts, phase, kW, PCN and quantity.</b>									

## NWH

### Clean Water

### Applications (cont'd.)

#### Specifications and Ordering Information

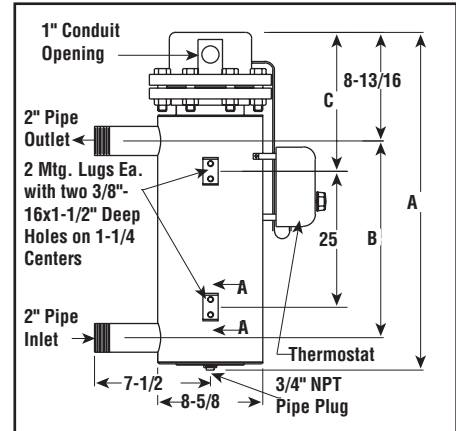
kW	Volts	Ckt & Phase	Dimensions (In.)			Model	Stock	PCN	Wt. (Lbs.)
			A	B	C				
<b>Series 18 — 8 inch, 150 lb carbon steel vessel — 18 copper elements (50 W/in<sup>2</sup>) — 2-1/2" NPT pipe inlet and outlet</b>									
50	240	3-3	45-1/4	24-11/16	27-3/16	NWH-18-050P-E1	NS	102664	396
50	480	3-3	45-1/4	24-11/16	27-3/16	NWH-18-050P-E1	NS	102672	396
75	240	3-3	53-1/4	32-11/16	29-3/16	NWH-18-075P-E1	NS	102701	414
75	480	3-3	53-1/4	32-11/16	29-3/16	NWH-18-075P-E1	NS	102710	414
100	240	3-3	60-1/4	39-11/16	36-3/16	NWH-18-100P-E1	NS	102744	425
100	480	3-3	60-1/4	39-11/16	36-3/16	NWH-18-100P-E1	NS	102752	425
125	240	3-3	67-7/8	47-5/16	43-13/16	NWH-18-125P-E1	NS	080012	470
125	480	3-3	67-7/8	47-5/16	43-13/16	NWH-18-125P-E1	NS	080020	470
150	240	3-3	77-3/8	56-13/16	53-5/16	NWH-18-150P-E1	NS	080039	535
150	480	3-3	77-3/8	56-13/16	53-5/16	NWH-18-150P-E1	NS	080047	535
175	240	3-3	86-3/8	65-13/16	62-5/16	NWH-18-175P-E1	NS	080055	625
175	480	3-3	86-3/8	65-13/16	62-5/16	NWH-18-175P-E1	NS	080063	625
200	240	3-3	96-3/8	75-13/16	72-5/16	NWH-18-200P-E1	NS	080071	705
200	480	3-3	96-3/8	75-13/16	72-5/16	NWH-18-200P-E1	NS	080080	705
<b>Series 45 — 14 inch, 150 lb carbon steel vessel — 45 copper elements (50 W/in<sup>2</sup>) — 6" flanged pipe inlet and outlet</b>									
250	480	3-3	68-1/2	49-11/16	59-3/16	NWH-45-250P-E1	NS	086019	830
300	480	3-3	76	57-3/16	66-11/16	NWH-45-300P-E1	NS	086027	960
350	480	3-3	83-1/2	64-11/16	74-3/16	NWH-45-350P-E1	NS	086035	1,090
400	480	3-3	91	72-3/16	81-11/16	NWH-45-400P-E1	NS	086043	1,220
450	480	3-3	98-1/2	79-11/16	89-3/16	NWH-45-450P-E1	NS	086051	1,350
500	480	3-3	106	87-3/16	96-11/16	NWH-45-500P-E1	NS	086060	1,480

**Stock Status:** S = stock NS = non-stock  
**To Order**—Specify model, volts, phase, kW, PCN and quantity.

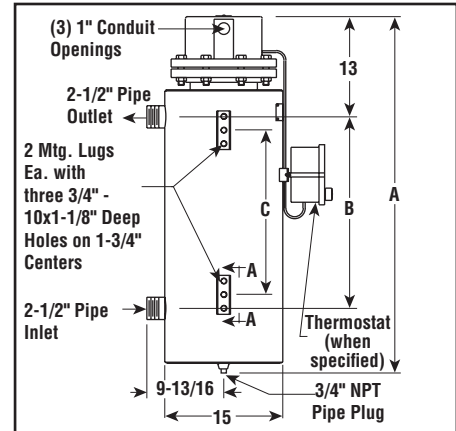
**Note** — Refer to the Controls section for control panels.

#### Dimensions (Inches)

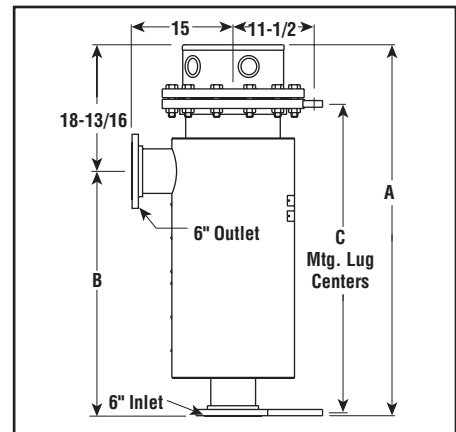
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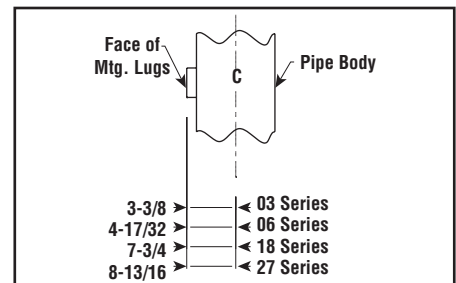
##### NWH-18



##### NWH-45



##### NWH-AA



#### Ordering Information

To Order — Complete the Model Number using the Matrix provided.

Model	Clean Water
NWH	Water Circulation Heater
<b>Code</b>	<b>Number of Elements</b>
03	Three
06	Six
18	Eighteen
45	Forty Five
<b>Code</b>	<b>kW</b>
024P	24
030P	30
040P	40
050P	50
060P	60
075P	75
100P	100
125P	125
200P	200
250P	250
300P	300
350P	350
400P	400
450P	450
500P	500
<b>Code</b>	<b>Terminal Enclosure</b>
E1	General Purpose
E2	Moisture Resistant/Explosion Resistant
E4	Moisture Resistant
NWH 06 024P E1	Typical Model Number