

# SDHR

## ROUND DUCT HEATER



## TAKE CONTROL OF YOUR COMFORT

Whether it is for preheating ventilation air or for heating a room, the SDHR is powerful enough to raise the temperature to the desired level. Its modulation system and temperature sensor will give you accurate and efficient performance. Available in several sizes and capacities, there is certainly a model for you.

### 4 LEVELS OF SECURITY

MANUAL PROTECTION, AUTOMATIC PROTECTION, TERMINAL BLOCK, BUILT-IN TEMPERATURE LIMIT SENSOR

### 5 TYPES OF CONTROL

0-10 V, 2-10 V, PWM, 24 VDC OR 24 VAC CONTROL

### TEMPERATURE CONTROL POTENTIOMETER

### MODULATION OF THE ELEMENTS SCR TECHNOLOGY

### FINISH

- 22 and 20 gauge galvanized steel cabinet resistant to corrosion

### MANUFACTURING

- junction box door
- double thermal protections (manual and automatic) for each element
- built-in temperature limit sensor (TT sensor)
- supply duct temperature sensor (60 in. - 5 ft)
- optional electronic air velocity sensor (P sensor) (KIT -SEN-005)

### WATTAGE & VOLTAGE

- see the technical specifications table (other models available upon request)

### ELEMENTS

- open, nichrome elements
- modulation of the elements by the SCR technology to maintain a constant temperature using only the required energy

### CONTROL

- thermostat 24 Vac; thermostat or controller (0-10 Vdc); thermostat or controller (PWM); thermostat or controller (2-10 V); thermostat or controller (24 Vdc)

### INSTALLATION

- 5 in. to 12 in. round duct
- vertical, horizontal, upflow or downflow position
- "zero inch" clearance from flammable materials

### WARRANTY

- three years



## ACCESSORIES

PRODUCT	DESCRIPTION
ET120	0-10 V electronic thermostat
ET180	24 V electronic thermostat
D010	24 V thermostat
D070	deported plenum thermostat*
KIT-SEN-005	SDH electronic air velocity sensor

\* Used with CIR-048 only



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FC\_SDHR\_EN\_010520

# TECHNICAL SPECIFICATIONS

PRODUCT	POWER	VOLTAGE	SHIPPING WEIGHT		MINIMUM FLOW*
CODE	WATTS	VOLTS	KG	LB	CFM/KW
<b>5 IN. DUCT</b> (HEIGHT: 8 IN., DEPTH: 12 11/16 IN.)					
SDHR05005001	500	120	6.8	15	50
SDHR05005002	500	240	6.8	15	50
SDHR05005003	500	347	6.8	15	50
SDHR05010001	1000	120	6.8	15	50
SDHR05010002	1000	240	6.8	15	50
SDHR05010003	1000	347	6.8	15	50
SDHR05015001	1500	120	6.8	15	50
SDHR05015002	1500	240	6.8	15	50
SDHR05015003	1500	347	6.8	15	50
SDHR05020001	2000	120	6.8	15	50
SDHR05020002	2000	240	6.8	15	50
SDHR05020003	2000	347	6.8	15	50
SDHR05030002	3000	240	6.8	15	50
SDHR05030003	3000	347	6.8	15	50
<b>6 IN. DUCT</b> (HEIGHT: 8 IN., DEPTH: 12 11/16 IN.)					
SDHR06005001	500	120	7.3	16	50
SDHR06005002	500	240	7.3	16	50
SDHR06005003	500	347	7.3	16	50
SDHR06010001	1000	120	7.3	16	50
SDHR06010002	1000	240	7.3	16	50
SDHR06010003	1000	347	7.3	16	50
SDHR06015001	1500	120	7.3	16	50
SDHR06015002	1500	240	7.3	16	50
SDHR06015003	1500	347	7.3	16	50
SDHR06020001	2000	120	7.3	16	50
SDHR06020002	2000	240	7.3	16	50
SDHR06020003	2000	347	7.3	16	50
SDHR06030002	3000	240	7.3	16	50
SDHR06030003	3000	347	7.3	16	50
SDHR06040002	4000	240	7.3	16	50
SDHR06040003	4000	347	7.3	16	50
SDHR06050002	5000	240	7.3	16	50
SDHR06050003	5000	347	7.3	16	50
<b>8 IN. DUCT</b> (HEIGHT: 9 1/4 IN., DEPTH: 15 IN.)					
SDHR08005002	500	240	7.5	17	50
SDHR08005003	500	347	7.5	17	50
SDHR08010002	1000	240	7.5	17	50
SDHR08010003	1000	347	7.5	17	50
SDHR08015002	1500	240	7.5	17	50
SDHR08015003	1500	347	7.5	17	50
SDHR08020002	2000	240	7.5	17	50
SDHR08020003	2000	347	7.5	17	50
SDHR08030002	3000	240	7.5	17	50
SDHR08030003	3000	347	7.5	17	50
SDHR08040002	4000	240	7.5	17	50
SDHR08040003	4000	347	7.5	17	50
SDHR08050002	5000	240	7.5	17	50
SDHR08050003	5000	347	7.5	17	50
SDHR08060002	6000	240	7.5	17	50
SDHR08060003	6000	347	7.5	17	50

Add DS for disconnect switch models  
1 phase models only if you are using a 0-10 V or PWM control

# TECHNICAL SPECIFICATIONS

PRODUCT	POWER	VOLTAGE	SHIPPING WEIGHT		MINIMUM FLOW*
CODE	WATTS	VOLTS	KG	LB	CFM/KW
<b>10 IN. DUCT</b> (HEIGHT: 11 1/4 IN., DEPTH: 17 1/4 IN.)					
SDHR10005002	500	240	9.1	20	50
SDHR10005003	500	347	9.1	20	50
SDHR10010002	1000	240	9.1	20	50
SDHR10010003	1000	347	9.1	20	50
SDHR10015002	1500	240	9.1	20	50
SDHR10015003	1500	347	9.1	20	50
SDHR10020002	2000	240	9.1	20	50
SDHR10020003	2000	347	9.1	20	50
SDHR10030002	3000	240	9.1	20	50
SDHR10030003	3000	347	9.1	20	50
SDHR10040002	4000	240	9.1	20	50
SDHR10040003	4000	347	9.1	20	50
SDHR10050002	5000	240	9.1	20	50
SDHR10050003	5000	347	9.1	20	50
SDHR10060002	6000	240	9.1	20	50
SDHR10060003	6000	347	9.1	20	50
SDHR10080002	8000	240	9.1	20	50
SDHR10080003	8000	347	9.1	20	50
SDHR10100002	10000	240	9.1	20	50
SDHR10100003	10000	347	9.1	20	50
<b>12 IN. DUCT</b> (HEIGHT: 13 1/4 IN., DEPTH: 19 1/4 IN.)					
SDHR12005002	500	240	10.4	23	50
SDHR12005003	500	347	10.4	23	50
SDHR12010002	1000	240	10.4	23	50
SDHR12010003	1000	347	10.4	23	50
SDHR12015002	1500	240	10.4	23	50
SDHR12015003	1500	347	10.4	23	50
SDHR12020002	2000	240	10.4	23	50
SDHR12020003	2000	347	10.4	23	50
SDHR12030002	3000	240	10.4	23	50
SDHR12030003	3000	347	10.4	23	50
SDHR12040002	4000	240	10.4	23	50
SDHR12040003	4000	347	10.4	23	50
SDHR12050002	5000	240	10.4	23	50
SDHR12050003	5000	347	10.4	23	50
SDHR12060002	6000	240	10.4	23	50
SDHR12060003	6000	347	10.4	23	50
SDHR12080002	8000	240	10.4	23	50
SDHR12080003	8000	347	10.4	23	50
SDHR12100002	10000	240	10.4	23	50
SDHR12100003	10000	347	10.4	23	50

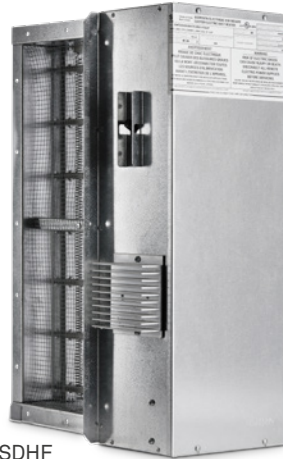
Add DS for disconnect switch models  
1 phase models only if you are using a 0-10 V or PWM control

# SDHx/SDHxT

## CUSTOM DUCT HEATERS



SDHR



SDHF



SDHI



## CUSTOMIZED COMFORT!

Stelpro's series of custom duct heaters include three models: SDHI (insertion), SDHF (flange) and SDHR (round), all available customized. Each model in the series is available in different formats, allowing you great flexibility. These electric duct heaters are manufactured for all types of installations. Whether it is for an installation at the outlet of a VAV box, an air handler or fan coil unit, inside a commercial make-up air unit or an OEM application with a process air heater, the high manufacturing standards at Stelpro ensures a duct heater of unprecedented quality.

### ELECTRONIC CONTROLS IMPROVED (OPTIONAL)

### ULTRA-PRECISE ELECTRONIC AIR VELOCITY SENSOR (OPTIONAL - P OPTION)

### FINISH

- 20 to 16 gauge galvanized steel cabinet resistant to corrosion

### MANUFACTURING

- junction box door
- removable electric elements (optional)
- double thermal protections (manual and automatic)
- neoprene gasket (optional)
- Nema 4, Nema 4x and Nema 12 control box (optional)
- stainless steel element housing (optional)

### ELEMENTS

- open, nichrome elements
- tubular in Incoloy 800
- modulation of the elements by SCR technology to maintain a constant temperature using only the required energy

### CONTROL

- built-in temperature limit sensor (TT option)
- electronic air velocity sensor (P option)
- for more electronic control and card options, see the options and controls table
- control voltage: 0-10 V, 2-10 V (4-20mA), 24Vac (PWM), 24Vdc
- heater interlock included

### INSTALLATION

- round duct starting at 4 in. (SDHR model)
- rectangular duct starting at 6 in. x 6 in. (SDHI and SDHF models)
- vertical, horizontal, upflow or downflow position
- "zero inch" clearance from flammable materials

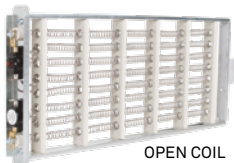
### WARRANTY

- three years

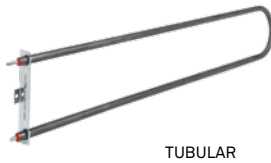


DEPORTED PLENUM THERMOSTAT (OPTIONAL)

### ELEMENTS



OPEN COIL



TUBULAR

### ACCESSORIES

PRODUCT	DESCRIPTION
ET120	0-10 V electronic thermostat
ET180	24 V electronic thermostat
D010	24 V thermostat
D070	deported plenum thermostat*

\* Used with CIR-048 only



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FC\_SDHX\_EN\_010520

# TECHNICAL SPECIFICATIONS

PRODUCT	TYPE OF MODEL	POWER	VOLTAGE	PHASE	DUCT DIMENSIONS
CODE		KILOWATTS	VOLTS	NO.	STARTING FROM (IN.)
SDHI/SDHIT	INSERTION	UP TO 1000	120 TO 600	1 OR 3	6 X 6
SDHF/SDHFT	FLANGE	UP TO 1000	120 TO 600	1 OR 3	6 X 6
SDHR/SDHRT	ROUND	UP TO 1000	120 TO 600	1 OR 3	4

UL certification: 25.5 kW/sq.ft for SDHx and 13 kW/sq.ft for SDHxT

# ELECTRONIC CONTROLS

FEATURE	DESCRIPTION	CONTROL CODE					
		TN	1ST	2ST	CIR-047	CIR-048	CIR-017/ CIR-011
CONTROL INPUT	BARE UNIT	.					
	24V – 1 STAGE NON-MODULATING		.		.		
	24V – 2 STAGE NON-MODULATING			.			
	24V – PWM				.	.	
	0-10V				.	.	.
	2-10V (4-20mA)					.	
	24V – 1 STAGE MODULATING (0-100% MODULATION WHEN USED WITH OPTIONAL TEMPERATURE SENSOR)					.	.
	24V – 2 STAGE MODULATING (0-60-100%)						.
	24V – 3 STAGE MODULATING (0-40-70-100%)						.
	SELF MODE					.	.
HEATING OUTPUT	SCR				.	.	.
	RELAY AND/OR CONTACTOR		.	.	.	2	4/8
CONTROL TRANSFORMER	CONTROL TRANSFORMER		.	.	.	.	.
FAN OUTPUT	FAN RELAY (OPTIONAL – OPTION R)		.	.			.
SUPPLY DUCT TEMPERATURE SENSOR	MEASURE THE AIR TEMPERATURE AT THE EXIT OF THE COIL (OPTIONAL – OPTION T)					.	.
ELECTRONIC AIR VELOCITY SENSOR	MEASURE THE AIR VELOCITY IN THE DUCT (OPTIONAL – OPTION P)				.	.	.
BUILT-IN TEMPERATURE LIMIT SENSOR	MEASURE THE AMBIENT AIR TEMPERATURE NEAR THE ELECTRIC COIL ELEMENTS (OPTIONAL – OPTION TT)				.	.	
AUTO DIAGNOSTIC	FAULT DISPLAY						.
USER INTERFACE	LEDS AND POTENTIOMETER					.	
	NUMERICAL DISPLAY AND BUTTONS						.
REMOTE CONTROL	DEPORTED PLENUM THERMOSTAT (OPTIONAL ACCESSORY)					.	

## OPTIONS

OPTION	DESCRIPTION
D	TRANSFORMER NOT INCLUDED
E	REMOTE CONTROL BOX
F	VERTICAL INSTALLATION IN HORIZONTAL AIRFLOW
G	SAFETY MESH ON LEFT SIDE
H	SAFETY MESH ON RIGHT SIDE
I	MAIN BREAKERS
J	MAIN DISCONNECT SWITCH
K	MAIN LINE FUSES
L	LOAD FUSES
N	DIFFERENTIAL PRESSURE SWITCH
O	OEM
P	ELECTRONIC AIR VELOCITY SENSOR
R	FAN RELAY
S	HORIZONTAL INSTALLATION IN VERTICAL AIRFLOW
T	SUPPLY DUCT TEMPERATURE SENSOR

## OPTIONS

OPTION	DESCRIPTION
V	SCR RATED FOR DOUBLE REQUIRED AMPERAGE
W	PILOT LIGHT
X	80/20 NICR GRADE A ELEMENT
Y	UNBALANCED THREE STAGE SYSTEM
CC	CONTROL BOX WITH RIGHT EXTENSION
GG	PERFORATED 1/2" DIFFUSER GRILL
HH	NEMA 4 OR NEMA 4X CONTROL BOX (NEMA 12 INCLUDED)
II	CONTROL BOX EQUAL TO THE DUCT HEIGHT
JJ	DISCONNECT SWITCH WITH DOOR INTERLOCK
KK	CONTROL FUSE
LL	SCR RELAY ON EACH CIRCUIT
SS	STAINLESS STEEL ELEMENT HOUSING
TT	BUILT-IN TEMPERATURE LIMIT SENSOR
-#	UNIQUE IDENTIFICATION MODEL

## PRODUCT NUMBER LEGEND

**SDH X (X) (X) (X) (X) (X) (X) (X)**

**PRODUCT SERIES:** Stelpro Duct Heater

**MODEL:** FLANGE = F / INSERTION = I / ROUND = R

**ELEMENTS:** OPEN COIL (standard) = Leave empty / TUBULAR (optional) = T

**DUCT DIMENSION:** 2 to 14 alphanumeric digits; Ex. #1: 16.5 x 19.25 (for a rectangular duct) –  
Ex. #2: 16.5 (for a round duct)

**KILOWATTS:** 2 to 8 alphanumeric digits; Ex.: 12K (for 12 kW)

**VOLTS:** 4 alphanumeric digits; Ex.: 240V

**PHASE:** 2 alphanumeric digits; Ex.: 1P or 3P

**AVAILABLE CONTROLS**

**AVAILABLE OPTIONS**

# POWER CAPACITY TABLE

CAPACITY REQUIRED IN WATTS IN RELATION TO AIRFLOW AND TEMPERATURE RISE															
AIRFLOW (CFM)	TEMPERATURE RISE (DELTA) IN °F														
	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75
100	161	323	484	645	806	968	1129	1290	1452	1613	1774	1935	2097	2258	2419
150	242	484	726	968	1210	1452	1694	1935	2177	2419	2661	2903	3145	3387	3629
200	323	645	968	1290	1613	1935	2258	2581	2903	3226	3548	3871	4194	4516	4839
250	403	806	1210	1613	2016	2419	2823	3226	3629	4032	4435	4839	5242	5645	6048
300	484	968	1452	1935	2419	2903	3387	3871	4355	4839	5323	5806	6290	6774	7258
350	565	1129	1694	2258	2823	3387	3952	4516	5081	5645	6210	6774	7339	7903	8468
400	645	1290	1935	2581	3226	3871	4516	5161	5806	6452	7097	7742	8387	9032	9677
450	726	1452	2177	2903	3629	4355	5081	5806	6532	7258	7984	8710	9435	10161	10887
500	806	1613	2419	3226	4032	4839	5645	6452	7258	8065	8871	9677	10484	11290	12097
550	887	1774	2661	3548	4435	5323	6210	7097	7984	8871	9758	10645	11532	12419	13306
600	968	1935	2903	3871	4839	5806	6774	7742	8710	9677	10645	11613	12581	13548	14516
650	1048	2097	3145	4194	5242	6290	7339	8387	9435	10484	11532	12581	13629	14677	15726
700	1129	2258	3387	4516	5645	6774	7903	9032	10161	11290	12419	13548	14677	15806	16935
750	1210	2419	3629	4839	6048	7258	8468	9677	10887	12097	13306	14516	15726	16935	18145
800	1290	2581	3871	5161	6452	7742	9032	10323	11613	12903	14194	15484	16774	18065	19355
850	1371	2742	4113	5484	6855	8226	9597	10968	12339	13710	15081	16452	17823	19194	20565
900	1452	2903	4355	5806	7258	8710	10161	11613	13065	14516	15968	17419	18871	20323	21774
950	1532	3065	4597	6129	7661	9194	10726	12258	13790	15323	16855	18387	19919	21452	22984
1000	1613	3226	4839	6452	8065	9677	11290	12903	14516	16129	17742	19355	20968	22581	24194
1050	1694	3387	5081	6774	8468	10161	11855	13548	15242	16935	18629	20323	22016	23710	25403
1100	1774	3548	5323	7097	8871	10645	12419	14194	15968	17742	19516	21290	23065	24839	26613
1150	1855	3710	5565	7419	9274	11129	12984	14839	16694	18548	20403	22258	24113	25968	27823
1200	1935	3871	5806	7742	9677	11613	13548	15484	17419	19355	21290	23226	25161	27097	29032
1250	2016	4032	6048	8065	10081	12097	14113	16129	18145	20161	22177	24194	26210	28226	30242
1300	2097	4194	6290	8387	10484	12581	14677	16774	18871	20968	23065	25161	27258	29355	31452
1350	2177	4355	6532	8710	10887	13065	15242	17419	19597	21774	23952	26129	28306	30484	32661
1400	2258	4516	6774	9032	11290	13548	15806	18065	20323	22581	24839	27097	29355	31613	33871
1450	2339	4677	7016	9355	11694	14032	16371	18710	21048	23387	25726	28065	30403	32742	35081
1500	2419	4839	7258	9677	12097	14516	16935	19355	21774	24194	26613	29032	31452	33871	36290
1550	2500	5000	7500	10000	12500	15000	17500	20000	22500	25000	27500	30000	32500	35000	37500
1600	2581	5161	7742	10323	12903	15484	18065	20645	23226	25806	28387	30968	33548	36129	38710

Note: For all values that do not appear in this table, you may calculate them using the following formula:  
WATTS = (flow in CFM) X (TEMP. delta °F) / 3.1

# MAXIMUM CAPACITY BY DIMENSION (IN KW)

		SDHx																													
		LENGTH (IN.)																													
		4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	
HEIGHT (IN.)	4	2	4	5	7	8	9	11	12	14	15	17	18	19	21	22	24	25	26	28	29	31	32	34	35	36	38	39	41	42	
	6	4	6	8	10	12	14	17	19	21	23	25	27	29	31	34	36	38	40	42	44	46	48	51	53	55	57	59	61	63	
	8	5	8	11	14	17	19	22	25	28	31	34	36	39	42	45	48	51	53	56	59	62	65	68	70	73	76	79	82	85	
	10	7	10	14	17	21	24	28	31	35	38	42	46	49	53	56	60	63	67	70	74	77	81	85	88	92	95	99	102	106	
	12	8	12	17	21	25	29	34	38	42	46	51	55	59	63	68	72	76	80	85	89	93	97	102	106	110	114	119	123	127	
	14	9	14	19	24	29	34	39	44	49	54	59	64	69	74	79	84	89	94	99	104	109	114	119	123	128	133	138	143	148	
	16	11	17	22	28	34	39	45	51	56	62	68	73	79	85	90	96	102	107	113	119	124	130	136	141	147	153	158	164	170	
	18	12	19	25	31	38	44	51	57	63	70	76	82	89	95	102	108	114	121	127	133	140	146	153	159	165	172	178	184	191	
	20	14	21	28	35	42	49	56	63	70	77	85	92	99	106	113	120	127	134	141	148	155	162	170	177	184	191	198	205	212	
	22	15	23	31	38	46	54	62	70	77	85	93	101	109	116	124	132	140	148	155	163	171	179	187	194	202	210	218	225	233	
	24	17	25	34	42	51	59	68	76	85	93	102	110	119	127	136	144	153	161	170	178	187	195	204	212	221	229	238	246	255	
	26	18	27	36	46	55	64	73	82	92	101	110	119	128	138	147	156	165	174	184	193	202	211	221	230	239	248	257	267	276	
	28	19	29	39	49	59	69	79	89	99	109	119	128	138	148	158	168	178	188	198	208	218	228	238	247	257	267	277	287	297	
	30	21	31	42	53	63	74	85	95	106	116	127	138	148	159	170	180	191	201	212	223	233	244	255	265	276	286	297	308	318	
	32	22	34	45	56	68	79	90	102	113	124	136	147	158	170	181	192	204	215	226	238	249	260	272	283	294	306	317	328	340	
	34	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240	252	264	276	289	301	313	325	337	349	361	
	36	25	38	51	63	76	89	102	114	127	140	153	165	178	191	204	216	229	242	255	267	280	293	306	318	331	344	357	369	382	
	38	26	40	53	67	80	94	107	121	134	148	161	174	188	201	215	228	242	255	269	282	296	309	323	336	349	363	376	390	403	
	40	28	42	56	70	85	99	113	127	141	155	170	184	198	212	226	240	255	269	283	297	311	325	340	354	368	382	396	410	425	
	42	29	44	59	74	89	104	119	133	148	163	178	193	208	223	238	252	267	282	297	312	327	342	357	371	386	401	416	431	446	
	44	31	46	62	77	93	109	124	140	155	171	187	202	218	233	249	264	280	296	311	327	342	358	374	389	405	420	436	451	467	
	46	32	48	65	81	97	114	130	146	162	179	195	211	228	244	260	276	293	309	325	342	358	374	391	407	423	439	456	472	488	
	48	34	51	68	85	102	119	136	153	170	187	204	221	238	255	272	289	306	323	340	357	374	391	408	425	442	459	476	493	510	
	50	35	53	70	88	106	123	141	159	177	194	212	230	247	265	283	301	318	336	354	371	389	407	425	442	460	478	495	513	531	
	52	36	55	73	92	110	128	147	165	184	202	221	239	257	276	294	313	331	349	368	386	405	423	442	460	478	497	515	534	552	
	54	38	57	76	95	114	133	153	172	191	210	229	248	267	286	306	325	344	363	382	401	420	439	459	478	497	516	535	554	573	
	56	39	59	79	99	119	138	158	178	198	218	238	257	277	297	317	337	357	376	396	416	436	456	476	495	515	535	555	575	595	
	58	41	61	82	102	123	143	164	184	205	225	246	267	287	308	328	349	369	390	410	431	451	472	493	513	534	554	575	595	616	
	60	42	63	85	106	127	148	170	191	212	233	255	276	297	318	340	361	382	403	425	446	467	488	510	531	552	573	595	616	637	

Maximum density: 25.5 kW/sq.ft

Note: The values indicated in the table above are not limited to dimensions of 60 in. x 60 in.

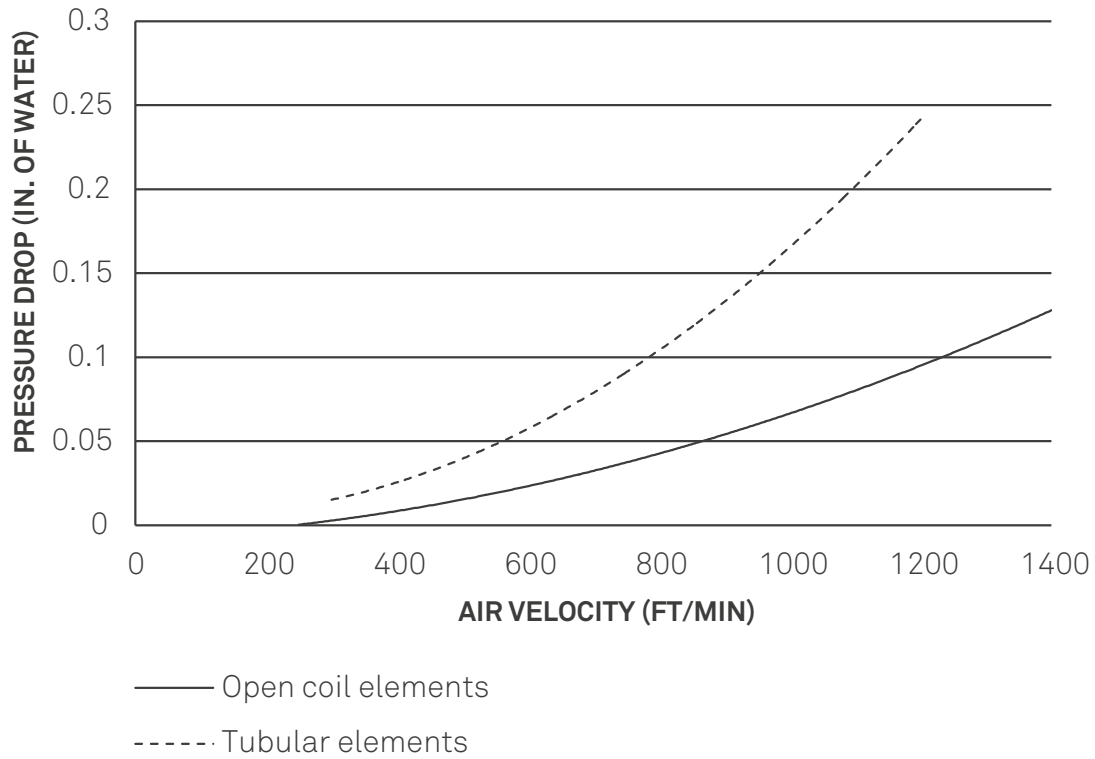
		SDHxT								
		LENGTH (IN.)								
		8	10	12	14	16	18	20	22	24
HEIGHT (IN.)	8	5.8	7.2	8.7	10.1	11.6	13.0	14.4	15.9	17.3
	10	7.2	9.0	10.8	12.6	14.4	16.3	18.1	19.9	21.7
	12	8.7	10.8	13.0	15.2	17.3	19.5	21.7	23.8	26.0
	14	10.1	12.6	15.2	17.7	20.2	22.8	25.3	27.8	30.3
	16	11.6	14.4	17.3	20.2	23.1	26.0	28.9	31.8	34.7
	18	13.0	16.3	19.5	22.8	26.0	29.3	32.5	35.8	39.0
	20	14.4	18.1	21.7	25.3	28.9	32.5	36.1	39.7	43.3
	22	15.9	19.9	23.8	27.8	31.8	35.8	39.7	43.7	47.7
24	17.3	21.7	26.0	30.3	34.7	39.0	43.3	47.7	52.0	

Maximum density: 13 kW/sq.ft

Note: The values indicated in the table above are not limited to dimensions of 24 in. x 24 in.

## STATIC PRESSURE LOSS

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## MINIMUM AIR VELOCITY REQUIRED

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