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SASKATOON

STOCK BOOK

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E.H. Price and Greenheck have special delivery programs on line for the majority of their products which may not be carried in stock. These **“QUICK SHIP”** items will leave the factory within 5 and 10 working days from placement of order.

The equipment available includes:

From E.H. Price

- Terminal Units - Single Duct
 - Fan Powered
 - By-Pass Boxes
- Steel Grilles and Registers
- Aluminum Grilles and Registers
- Ceiling Diffusers
- Dampers - Fire, Fire/Smoke, Smoke & Control
- Gym Grilles
- Linear Bar Grilles
- Slot Diffusers
- Square and Round
- Ceiling Diffusers
- Louvers

From Greenheck

- Make-Up Air Units
- Kitchen Hoods
- Axial and Vane-Axial Fans
- Centrifugal Fans
- Motorized / Industrial Control Dampers
- Roof Exhaust Fans
- Dampers
- Propeller Fans
- Inline Fans
- Fire / Smoke Dampers

If you would like more information on this program, shipping information or on **“IN STOCK”** equipment, please call your local E.H. Price Representative.

SCD - Round Neck

Square Ceiling Diffuser

Still one of the most efficient diffusers for any ceiling application! Ideal for VAV applications! Specially designed to eliminate the causes of ceiling smudging and streaking.



SCD/31/24x24/B12
Square Cone Diffusers

	SCD/31 Surface Mt. T-Bar		CFM			NC 30	
	12x12	24x24	NC 25	NC 30	NC 35	VT=50	S.P.
4"	•		145	173	6	.06	
5"	•		190	220	8	.07	
6"	•		243	289	8	.08	
8"	•		361	419	11	.13	
6"		•	215	251	294	6	.05
8"		•	340	405	475	8	.05
10"		•	491	581	676	8	.07
12"		•	654	785	916	10	.08
14"		•	855	998	1176	11	.09
15"		•	951	1104	1309	12	.09

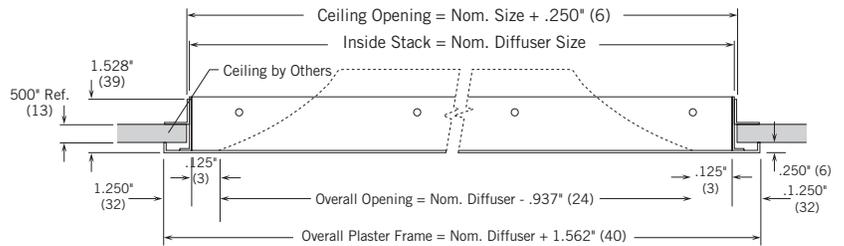
Performance Notes:

1. Throw data based on supply air and room air being at isothermal conditions.
2. S.P. shown in inches of water

SPF - Drywall Frame for Access into Ceiling

**24 x 24 Ceiling Diffusers
and Registers**

12 x 12	24 x 24
20 x 20	



SPD DIFFUSERS:

Price SPD Series square plaque diffuser satisfies both architectural appeal and engineering performance criteria. Simple, clean and unobtrusive face design is intended to blend with most ceiling systems.

- Heavy gauge steel construction.
- Face panel has smooth edges and rounded off corners to blend with back cone.
- Back cone is one piece die-formed with smooth, aerodynamically designed surfaces and no corner joints.
- Helps prevent ceiling smudging.
- The back cone shape combines with the face panel to deliver a tight, 360° radial horizontal air pattern.
- Face panel is easily installed and removed without special tools.
- Maintains true horizontal air pattern even at low air volumes making it excellent for VAV applications.



SPD/31/24x24/B12
Square Plaque Diffusers -
24 x 24 Full Face Model

Performance Data – 24 x 24 (600 x 600) Face Size

Listed Size	Neck Velocity, fpm	400	500	600	700	800	900	1000	1200	1400	1600
	Velocity Pressure, in w.g.	.010	.016	.022	.031	.040	.050	.062	.090	.122	.160
	Total Pressure, in w.g.	.010	.016	.023	.032	.041	.053	.065	.093	.127	.166
6	Flow Rate, cfm	78	98	118	137	157	176	196	235	274	314
	NC	—	—	—	—	—	19	22	29	34	38
	Throw 150, 100, 50	1-2-4	1-2-4	2-3-5	2-3-6	2-4-6	3-4-7	3-4-7	4-5-8	4-6-9	5-7-9
	Total Pressure, in w.g.	.018	.029	.042	.057	.074	.093	.115	.166	.226	.295
8	Flow Rate, cfm	140	175	209	244	279	314	349	419	489	558
	NC	—	—	—	—	19	23	27	33	38	43
	Throw 150, 100, 50	2-2-5	2-3-6	2-4-7	3-4-8	3-5-9	4-6-9	4-6-10	5-7-11	6-8-12	7-9-12
	Total Pressure, in w.g.	.029	.045	.065	.088	.115	.146	.180	.259	.353	.461
10	Flow Rate, cfm	218	273	327	382	436	491	545	654	763	872
	NC	—	—	—	18	22	26	30	36	41	46
	Throw 150, 100, 50	2-3-6	3-4-8	3-5-9	4-6-10	4-6-11	5-7-12	5-8-12	6-9-13	8-10-14	9-11-15
	Total Pressure, in w.g.	.041	.065	.093	.127	.166	.210	.259	.373	.508	.664
12	Flow Rate, cfm	314	393	471	550	628	707	785	942	1099	1256
	NC	—	—	—	21	25	29	33	39	44	49
	Throw 150, 100, 50	3-4-8	3-5-10	4-1-11	5-1-12	5-8-13	6-9-14	7-10-15	8-11-16	9-12-17	11-13-9

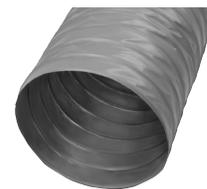
Performance Data – 12 x 12 (300 x 300) Face Size

Listed Size	Neck Velocity, fpm	400	500	600	700	800	900	1000	1200	1400	1600
	Velocity Pressure, in w.g.	.010	.016	.022	.031	.040	.050	.062	.090	.122	.160
	Total Pressure, in w.g.	.038	.059	.085	.116	.152	.192	.237	.341	.464	.606
6	Flow Rate, cfm	78	98	118	137	157	176	196	235	274	314
	NC	—	—	—	—	—	18	23	31	38	44
	Throw 150, 100, 50	2-3-6	2-4-7	3-4-8	3-5-9	4-6-10	4-7-10	5-7-11	6-8-12	7-9-13	8-10-14
	Total Pressure, in w.g.	.068	.106	.153	.208	.271	.343	.424	.610	.831	1.085
8	Flow Rate, cfm	140	175	209	244	279	314	349	419	489	558
	NC	—	—	—	—	17	22	27	36	43	49
	Throw 150, 100, 50	3-4-8	3-5-10	4-6-11	5-7-12	6-8-13	6-9-14	7-10-15	8-11-16	10-12-17	11-13-18

Flex Duct

Applications and Engineering Data

Nominal Inside Diameter (inches)	2	3	4	5	6	7	8	9	10	12	14
Length (feet)	25	25	25	25	25	25	25	25	25	25	25
Inside Bend Radius (inches)	2	3	4	5	6	7	8	9	10	12	14
Operating Pressure (inches water column)	Positive = 10 inches						Negative = 1 inch				
Maximum Leakage (cubic ft./min./linear ft./in. diameter) At 10 inch water column	0.015										
Internal Operating Temperature Range (°F)	Minimum= 10 inches						Maximum= 250				
Velocity (feet per minute)	5000										
Surface Burning Characteristics	Max. Flame Spread= 25						Max. Smoke Developed= 50				
Oxygen Index Ratings	Woven and Coated Glass Cloth Fabric= 35.60										



**SLP-10
Non-Insulated Flexible
Connector for Low to
Medium Pressure
Systems**

- Extremely strong woven fiberglass fabric with flame retardant coating
- Fabric is permanently bonded to a corrosion resistant coated spring steel wire helix
- For all pressure heating and cooling systems

Applications and Engineering Data

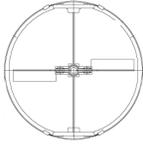
Nominal Inside Diameter (inches)	4	5	6	7	8	9	10	12	14	16	18	20
Length (feet)	25	25	25	25	25	25	25	25	25	25	25	25
Inside Bend Radius (inches)	2	3	4	5	6	7	8	9	10	12	14	20
Operating Pressure (inches water column)	Positive = 10 inches (4-12 in.ID)					6 inches (14-16 in.ID)			4 inches (18-20in.ID)			
	Negative = 1 inch (4-12 in.ID)					1/2 inches (14-20in.ID)						
Operating Temperature Range (°F)	Minimum= -20					Maximum= 250						
Velocity (feet per minute)	5000											
R-value	4.2, 6.0, 8.0											
Surface Burning Characteristics	Max. Flame Spread= 25					Max. Smoke Developed= 50						
Oxygen Index Ratings	CPE Cpre= 3.13					Metalized Jacket= 45.7						
Vapor Transmission Rating (U.S. Perm)	0.05											



**MK-E
Insulated Flexible Air
Duct for Low and
Medium Pressure
Systems**

- Offers exceptional sound control
- Acoustically rated chlorinated polyethylene (CPE) core allows sound energy transmission through the core and insulation, and into the plenum space
- Highly efficient, self-extinguishing duct

DIFFUSER ACCESSORIES:



VCR8
Volume Control Damper

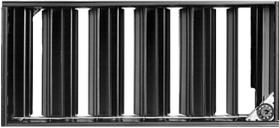
6"	10"
8"	12"



EG
Equalizing Grid

6"	10"
8"	12"

DIFFUSER ACCESSORIES:



VCS3
Grille Mounted
Opposed Blade Damper

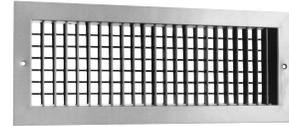
6 x 6	12 x 6
8 x 6	12 x 8
8 x 8	12 x 12
10 x 6	24 x 12
10 x 10	24 x 24

520D - Double Deflection c/w Damper

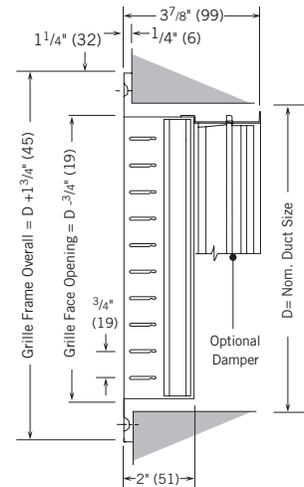
Size	CFM			NC 30	
	NC 25	NC 30	NC 35	Throw VT = 100	S.P.
8 x 4	170	200	235	18	.10
8 x 6	239	277	324	22	.093
8 x 8	333	390	470	26	.084
10 x 4	205	243	283	20	.098
10 x 6	293	352	410	24	.089
10 x 8	383	447	532	26	.084
10 x 10	480	566	672	31	.075
12 x 4	239	277	324	22	.093
12 x 6	333	390	470	26	.084
12 x 8	480	566	672	31	.075
12 x 10	534	643	760	33	.074
12 x 12	675	797	936	37	.054
14 x 4	266	312	372	23	.090
14 x 6	383	447	532	26	.084
14 x 8	534	643	760	33	.074
18 x 4	333	390	470	26	.084

Performance Notes:

1. Throw data based on supply air and room air being at isothermal conditions.
2. S.P. shown in inches of water.



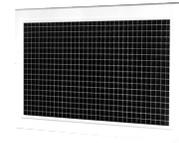
520D/F/S/AB12
Double Deflection Louvered
Supply Grilles w/ Damper



F - Border
S - Blades in front to short dimension
A - Screw hole fastenings

Egg Crate Returns

Size	CFM			S.P. at NC 30
	NC 25	NC 30	NC 35	
6 x 6	165	190	216	0.182
8 x 8	280	360	410	0.162
12 x 12	690	840	900	0.14
20 x 10	940	1180	1340	0.132
20 x 12	1460	1545	1760	0.128
20 x 20	1900	2180	2450	0.104
24 x 6	690	840	900	0.145
24 x 12	1310	1490	1700	0.124
24 x 24	2350	2790	3200	0.104

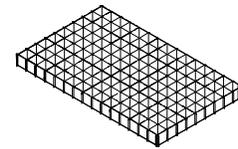


80/ /L/B12
1/2" Egg Crate Return
T-Bar Lay-In Models
No Damper

Performance Notes:

- Returns with NF borders have duct connections 3/4" smaller than those for F borders.
- S.P. shown in inches of water.

Size	CFM			S.P. at NC 30
	NC 25	NC 30	NC 35	
20 x 10	1040	1180	1365	0.60
20 x 20	2224	2600	2925	0.050
24 x 12	1550	1740	1990	.115
24 x 24	2350	2790	3200	.104
48 x 24	4700	5580	6400	.06
60 x 30	6250	7450	8650	.06



80 Core/B12
Egg Crate Returns (Core Only)
T-Bar Lay-In Models
Aluminum and Plastic Grid 0°
Deflection
1/2" x 1/2" x 1/2" (13)

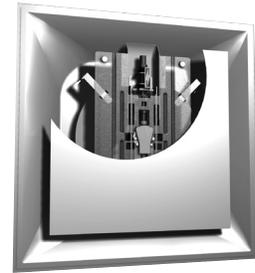
Performance Notes:

- S.P. shown in inches of water.

VPD-HC / VPD-C - Varitherm

Performance Data - Maximum Flow Selection Table

Inlet Size	Neck Velocity Velocity Pressure	400	500	400	400	400	400	400
		0.010	0.016	0.022	0.031	0.040	0.050	0.062
6"	Static Pressure	0.046	0.071	0.103	0.139	0.182	0.231	0.284
	Total Pressure	0.056	0.087	0.125	0.169	0.222	0.282	0.346
	CFM	79	98	118	137	157	177	196
	NC	—	—	18	22	26	30	33
	Throw, ft	0-1-3	1-2-3	1-2-3	2-2-4	2-2-4	2-3-4	2-3-4
8"	Static Pressure	0.035	0.054	0.077	0.105	0.137	0.174	0.215
	Total Pressure	0.045	0.070	0.099	0.136	0.177	0.224	0.277
	CFM	140	175	209	244	279	314	349
	NC	—	17	22	26	30	34	37
	Throw, ft	2-3-7	3-4-7	3-5-8	4-6-9	5-7-9	5-7-10	6-7-11
10"	Static Pressure	0.031	0.049	0.070	0.096	0.124	0.158	0.194
	Total Pressure	0.041	0.064	0.092	0.126	0.164	0.208	0.257
	CFM	218	273	327	382	436	491	545
	NC	—	19	24	29	33	36	39
	Throw, ft	4-5-9	4-7-11	5-8-12	6-9-12	7-9-13	8-10-14	9-11-15
12"	Static Pressure	0.046	0.071	0.103	0.140	0.183	0.231	0.285
	Total Pressure	0.056	0.087	0.125	0.171	0.222	0.282	0.348
	CFM	314	393	471	550	628	707	785
	NC	19	25	30	35	38	42	45
	Throw, ft	5-8-11	6-9-13	8-10-14	9-11-15	9-11-16	10-12-17	10-13-18
14"	Static Pressure	0.057	0.088	0.127	0.173	0.226	0.286	0.353
	Total Pressure	0.067	0.104	0.149	0.203	0.266	0.336	0.415
	CFM	428	535	641	748	855	962	1069
	NC	23	29	34	38	41	44	47
	Throw, ft	7-9-13	8-10-15	9-11-16	10-12-17	11-13-19	11-14-20	12-15-21



**VPD-HC/VPD-C
Varitherm
Thermally Powered
VAV Diffuser**

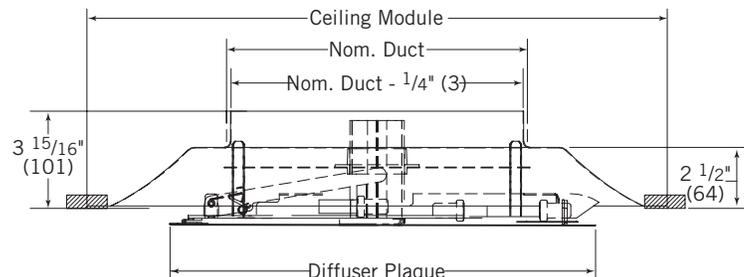
- Steel backpan, faceplate and linkage for strength and durability
- Thermal elements for consistent, repeatable performance
- Hinged faceplate, with powerful magnetic closure ensures simple yet strong closure, that also allows for quick access to adjustment features.
- Specially engineered damper stack for reduced linkage binding and superior performance over the entire operating range.

Performance Notes:

1. Performance data is presented for the Prodigy diffuser with the inner cone in the full open (maximum flow) position.
2. Tested in accordance with ASHRAE Standard 70-1991 "Method of Testing for Rating the Performance of Air Outlets and Inlets"
3. Air flow is in cubic feet per minute, CFM.
4. All pressures are in inches of water.
5. Throw values are given in feet to terminal velocities of 150-100-50 fpm.
6. Throw data is based on supply air and room air at isothermal conditions.
2. Tested in accordance with ASHRAE Standard 70-1991 "Method of Testing for Rating the Performance of Air Outlets and Inlets"
3. Air flow is in cubic feet per minute, CFM.
4. Throw values are given in feet to terminal velocities of 150-100-50 fpm.
5. Throw data is based on supply air and room air at isothermal conditions.
6. The NC values, sound pressure level, are based on a room absorption of 10 dB re 10-12 watts and one diffuser.
7. Blanks "—" indicate an NC level below 15.
7. The NC values, sound pressure level, are based on a room absorption of 10 dB re 10-12 watts and one diffuser.
8. Blanks "—" indicate an NC level below 15.

Dimensional Data - Imperial (Inches) / Metric (mm)

Ceiling Module		Nominal Duct
Imperial	Metric	
24 x 24 (610 x 610)	600 x 600	6,8,10,12,14 (152,203,254,305,356)



CP101 - Pneumatic Controller

- Provides accurate control over a duct velocity range of 0 - 3000 fpm.
- Operates at low system pressures. As effective at 0.02" w.g. as at 6" w.g.
- Completely pressure independent.
- Adjustable minimum and maximum air volume settings easily field adjusted if required.
- Reset span remains constant regardless of maximum and minimum air volume adjustments.
- Provides constant 5 psi reset span as per standard factory calibration.
- Has adjustable start point for reset span to accommodate auxiliaries such as reheat coils.
- Includes option to expand reset span to 10 psi to accommodate most thermostats.
- Adjustable to accommodate either direct acting or reverse acting thermostats. Also settings for either normally open or normally closed damper operation without added control components.
- Standard mounting face down. All adjustments are directly accessible through a ceiling opening.

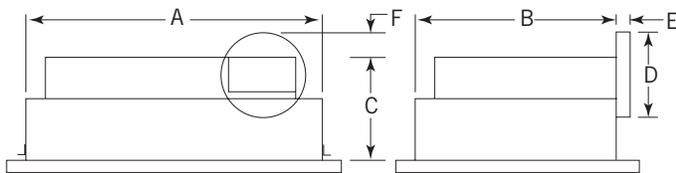


CP-101
Replacement Controller for the
SPV Terminal Unit

SP B90-B200 - Greenheck Ceiling Exhaust Fans

Performance Data

Model	RPM	Amps	Watts (Input)	CFM / Static Pressure in inches of W.G.								
				0.000	0.100	0.125	0.250	0.375	0.500	0.625	0.750	
SP-B90	700	065	50	CFM	102	92	88	75	59	45	30	-
				Sones	1.9	2.6	2.7	3.0	3.6	4.1	4.9	-
SP-B110	950	1.14	80	CFM	133	114	110	98	95	95	92	85
				Sones	2.0	2.1	2.2	2.3	2.7	2.7	3.7	4.4
SP-B150	1050	1.70	129	CFM	166	154	153	152	150	150	148	138
				Sones	3.0	3.2	3.3	3.6	4.3	4.5	4.9	5.3
SP-B200	1100	2.20	173	CFM	196	195	194	193	191	190	181	167
				Sones	4.4	4.6	4.7	5.1	5.7	5.8	6.0	6.3



Dimensional Data

Model	A	B	C	D	E	F	Grille Size	Wt.
B90, B110, B150, B200	13 ⁷ / ₈	11 ¹ / ₂	8 ¹ / ₈	6	1 ¹ / ₄	1 ¹ / ₂	14 ³ / ₄ x 12 ³ / ₄	10

For complete dimensional information, see submittal drawings.

FAN LEGEND:

- SP-A50**] — Nominal CFM at 0.10 inches static pressure
- Level of Construction
- A - Premium; Lowest Sound, Insulated Housing
 - B - Deluxe Unit; Low Sound, Low Profile
 - C - Standard Unit; Lowest Profile, Less Expensive
- Model
- SP - Silent Partner
 - CSP - Cabinet Silent Partner

SP A110-A780 - Greenheck Ceiling Exhaust Fans

Performance Data

Model	RPM	Amps	Watts (Input)	CFM / Static Pressure in inches of W.G.								
				0.000	0.100	0.125	0.250	0.375	0.500	0.625	0.750	
SP-A110	950	0.58	49	CFM	119	110	106	88	—	—	—	—
				Sones	1.3	1.2	1.2	1.6	—	—	—	—
SP-A125	1100	0.62	53	CFM	135	123	121	104	—	—	—	—
				Sones	1.4	1.7	1.8	1.9	—	—	—	—
SP-A190	1400	1.30	113	CFM	216	197	192	167	133	—	—	—
				Sones	3.2	2.8	2.9	3.1	3.4	—	—	—
SP-A250	1000	0.77	83	CFM	272	251	246	227	210	185	157	119
				Sones	2.9	3.0	3.0	3.4	4.4	4.6	4.9	5.2
SP-A290	1050	0.72	81	CFM	315	293	287	257	231	207	175	124
				Sones	3.2	3.3	3.3	3.6	3.9	4.1	4.5	5.5
SP-A390	1350	1.34	135	CFM	410	395	391	368	345	325	307	279
				Sones	5.4	5.4	5.4	5.7	6.0	6.3	6.4	6.7
SP-A410	1000	1.74	121	CFM	443	413	405	351	305	109	—	—
				Sones	4.1	3.8	3.7	3.7	4.3	3.7	—	—
SP-A510	1070	3.30	224	CFM	557	512	501	439	392	325	—	—
				Sones	6.0	5.7	5.6	5.5	5.4	4.7	—	—
SP-A710	1080	4.40	285	CFM	752	714	701	653	588	485	320	—
				Sones	7.4	7.2	7.2	7.0	6.8	6.7	6.5	—

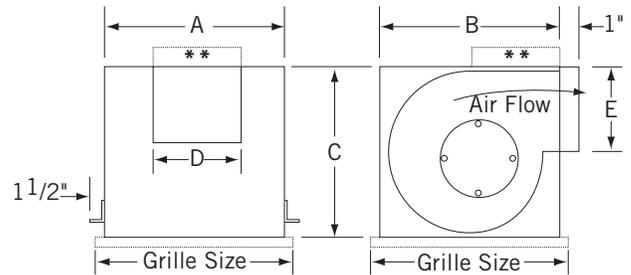


Greenheck Ceiling Exhaust Fans



Dimensional Data

Model	A	B	C	D	E	Grille Size	Wt.
A110, A125, A190, A250, A290, A390	13 ¹ / ₄	10 ⁵ / ₈	10 ¹ / ₂	8	6	14 ³ / ₄ x 12 ³ / ₄	15
A410, A510	18	14 ³ / ₈	14 ¹ / ₂	8	8	19 ³ / ₈ x 16 ³ / ₈	31
A710	18	14 ³ / ₈	14 ¹ / ₂	10	8	19 ³ / ₈ x 16 ³ / ₈	34



**Optional Discharge Position

For complete dimensional information, see submittal drawings.

CSP A110 - A780 - Greenheck Ceiling Exhaust Fans



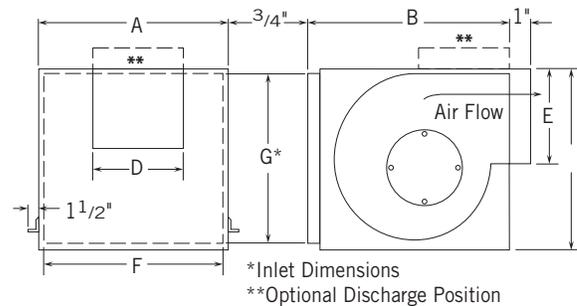
Performance Data

Model	RPM	Amps	Watts (Input)	CFM / Static Pressure in inches of W.G.								
				0.000	0.100	0.125	0.250	0.375	0.500	0.625	0.750	
CSP-A110	950	0.62	51	CFM	125	110	102	77	—	—	—	—
				Sones	1.1	1.1	1.3	1.3	—	—	—	—
CSP-A190	1400	1.10	100	CFM	215	202	198	180	159	—	—	—
				Sones	2.3	2.0	2.2	2.7	2.9	—	—	—
CSP-A200	900	0.43	48	CFM	254	230	225	203	177	145	109	70
				Sones	0.8	0.7	0.8	1.3	1.5	1.9	2.2	2.1
CSP-A250	1000	0.79	83	CFM	266	246	241	221	205	187	165	132
				Sones	1.3	1.5	1.5	2.3	3.3	3.4	3.2	3.0
CSP-A290	1050	0.71	80	CFM	318	299	292	265	248	229	201	144
				Sones	1.6	1.7	1.8	2.6	3.3	4.0	3.7	3.4
CSP-A390	1350	1.33	144	CFM	412	400	397	382	363	339	324	309
				Sones	2.8	2.7	2.8	3.2	3.7	4.7	5.5	6.5
CSP-A410	1000	1.87	139	CFM	447	411	403	364	316	217	—	—
				Sones	2.2	2.1	2.2	2.5	2.7	2.7	—	—
CSP-A510	1070	3.11	217	CFM	545	514	506	464	405	324	—	—
				Sones	3.1	2.9	2.8	2.8	2.7	3.1	—	—
CSP-A710	1080	4.40	325	CFM	737	698	688	635	566	474	334	—
				Sones	3.2	3.3	3.2	3.3	2.7	2.5	2.7	—
CSP-A780	1600	3.77	405	CFM	813	783	776	741	707	671	637	603

Dimensional Data

Model	A	B	C	D	E	Grille Size	Wt.
A190	13 ^{1/4}	10 ^{5/8}	10 ^{1/2}	8	6	14 ^{3/4} x 12 ^{3/4}	16
A250, A290, A390	14	11 ^{7/8}	11 ^{1/4}	8	8	14 ^{3/4} x 12 ^{3/4}	23
A410, A510	18	14 ^{3/8}	14 ^{1/2}	8	8	19 ^{3/8} x 16 ^{3/8}	36
A710, A780	18	14 ^{3/8}	14 ^{1/2}	10	8	19 ^{3/8} x 16 ^{3/8}	36

For complete dimensional information, see submittal drawings.



WHISPERCEILING SERIES - Panasonic Ceiling Mounted Ventilation Fans

Performance Data

Model	Power (W)	Static Pressure=0.1	
		CFM	Sones
FV-05VQ3	14	50	<0.3
FV-08VQ3	21	80	0.3
FV-11VQ3	27	110	0.8
FV-20VQ3	42	190	1.3

Performance Notes:

1. Static Pressure is shown in inches of water.

Dimensional Data

Fan Size	A	B	C	D
FV-05VQ3	9 ¹ / ₈	7 ⁷ / ₈	4	11 ³ / ₁₆
FV-08VQ3	9 ¹ / ₈	7 ⁷ / ₈	4	11 ³ / ₁₆
FV-11VQ3	9 ¹ / ₈	7 ⁷ / ₈	4	11 ³ / ₁₆
FV-20VQ3	12 ³ / ₁₆	9 ⁹ / ₃₂	6	15



WhisperCeiling Series

- Built-in weighted back draft damper
- Low profile, contemporary grille design
- Thermal fuse protection
- Double Hanger Bar for Easy Installation
- UL listed for Tub/Shower

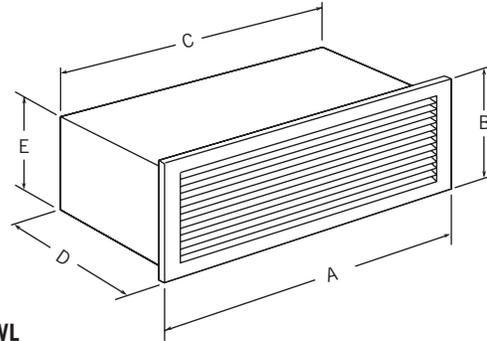
SP & CSP - ACCESSORIES



Model WL
Wall Louvered Discharge

- Anodized aluminum grille
- Build in damper
- Not recommended for exterior applications exposed to severe weather conditions. An external wall louver is recommended for such applications.

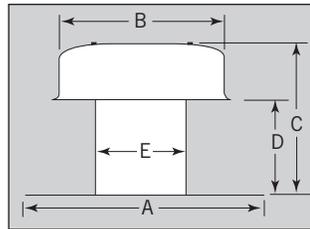
Model	For use with sizes	A	B	C	D	E
WL-10x3	5-226	12	5 ¹ / ₄	10	7 ³ / ₄	3 ¹ / ₂
WL-18X6	228-265	19 ³ / ₄	8	18	9	6



Model WL

Model RFC-7

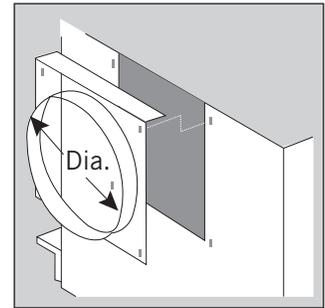
- Weathertight aluminum construction
- Integral birdscreen
- Built in flashing flange



Model	For use with sizes	A	B	C	D	Throat Dia.
RFC-7	5-228	18	12	10	6 ³ / ₈	7

Model RDC Round Duct Connector

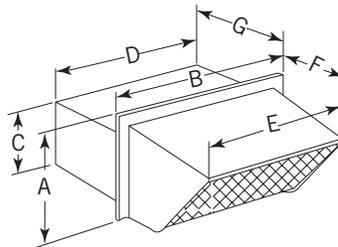
- Replaces the standard square discharge duct-connector and damper
- Uses existing mounting holes
- Galvanized steel construction
- RDC does *not* include a damper



Model	For use with sizes	Dia.
RDC-6	210-218	6
RDC-8	224-252	8

Model WC - 10 x 3
Hooded Wall Cap

- Steel construction with black enamel finish
- For outside wall applications
- Built in birdscreen and damper



Model	For use with sizes	A	B	C	D	E	F	G
WC-10x3	5-226	5 ¹ / ₂	12 ³ / ₄	3 ¹ / ₂	10 ¹ / ₄	11 ¹ / ₈	4 ¹ / ₄	5

SSC Speed Control

5.0W SSC

For application up to 5 amps (required 2 x 4 handy box by others)

10W SSC

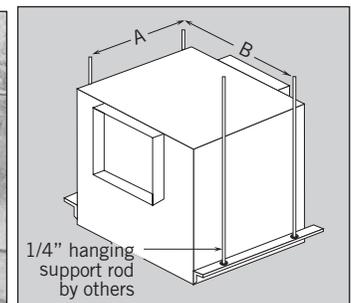
For applications up to 10 amps (requires 4 x 4 handy box by others)

- Time Delay Switch - Model GTD
- MS16
- Reverse Acting T-Stat
- 7 Day Programmable Timer

Hanging Vibration Isolators (CK)

Vibration isolator kits are available for suspended installations. Kits include all hardware necessary to mount one unit, with the exception of 1/4" threaded rod supplied by others. Fan mounting brackets include pre-punched holes for ease of installation.

	Unit Sizes					
	B110-200	A110-190	A250-390	A410-780	A900-1500	A1750
A	4 ¹ / ₂	5 ¹ / ₂	6 ³ / ₄	9 ¹ / ₄	9 ¹ / ₄	9 ¹ / ₄
B	11 ⁵ / ₈	14 ⁵ / ₈	15 ¹ / ₂	19 ⁵ / ₈	25 ³ / ₈	36 ³ / ₄



BANVIL - Ceiling Mounted Circulating Fans

- 56" down blowing with 3 curved metal blades
- 3-prong plug installed with 16" extension cord
- Pre-wired with 16" cord and built-in strain relief.
- Aerodynamically designed curved-tip and 56" blades for maximum air delivery.
- Precision-balanced metal blades for smooth, quiet operation.
- Permanently sealed ball bearings.
- Totally enclosed .8 amp heavy duty motor with impedance protection.
- Corrosion-resistant epoxy prime and finish coat on all metal housings and blades.
- Simple J-hook mount.
- 7.5 mfd non-polar, weatherproof, encapsulated, extra heavy-duty capacitor.
- High-grade silicone steel motor laminations for maximum energy efficiency.
- Full 3 year warranty.
- Solid state infinite speed controls.
- Uses less energy than a 100 W bulb.
- Safety cable installed



MODEL 60F7-10
Ceiling Mounted Circulating Fan

BANVIL - Speed Controllers



100P

2.5 A, 120V, Variable Speed



100F

2.5 A, 120V, Variable Speed



150F

10 A, 120V, Variable Speed

THERMOSTATS- Two Position

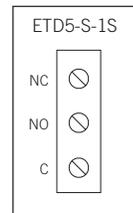
Specifications

Model	Voltage / Current VAC / amp	Differential °F	Switch	Contact	Dimensions Inches	Set Point Range °F
ETDk,5SS	24-277 / 22	Htg - 2, Clg - 4	None	SPDT, snap acting	2.75 w x 4.75 H x 2.75 D	50 - 90



**ETD5SS
Two Position
Room Thermostat**

- Single pole double throw
- 22 Amps Max @ 120V-220V, 18 Amp @ 277V
- White
- 50-90 degree F temperature range

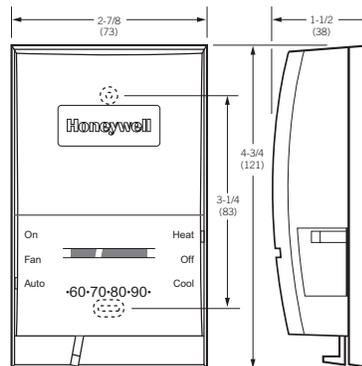


C-NC Open on temp. rise
C-NO Close on temp. rise

THERMOSTATS- Honeywell

T834C Heating/Cooling Thermostat

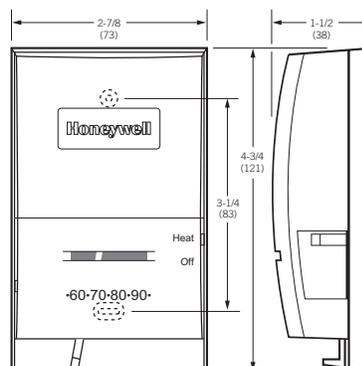
- Integral switches control Heat-Off-Cool System switching and Auto-On or On-Auto Fan switching.
- Standard heating-cooling, single-stage heat pump, and electric heat models available.
- Coiled bimetal operates silent, dust-free spdt mercury switch.
- T834C models have vented cover to provide better air flow for temperature sensing.
- Adjustable heat anticipator and fixed cool anticipator on all models.



**T834C2580
24V Heat/Cool with
Fan Switch Thermostat**

T822A Heating Thermostat

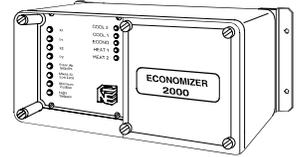
- Coiled bimetal operates quiet, dust-free mercury switch.
- All wiring connections are made on back of thermostat.
- All models are mounted directly on wall or on standard vertical outlet box.
- Available with positive Off.
- All models have vented covers for better air flow and improved temperature sensing.



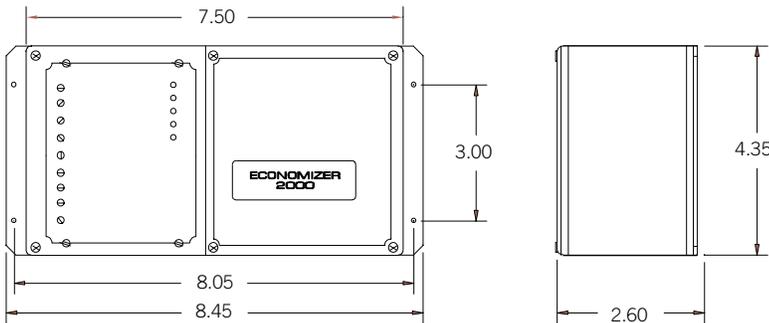
**T822A1288
24V Heat Only Thermostat**

NEPTRONIC - Econo 2000 Controller

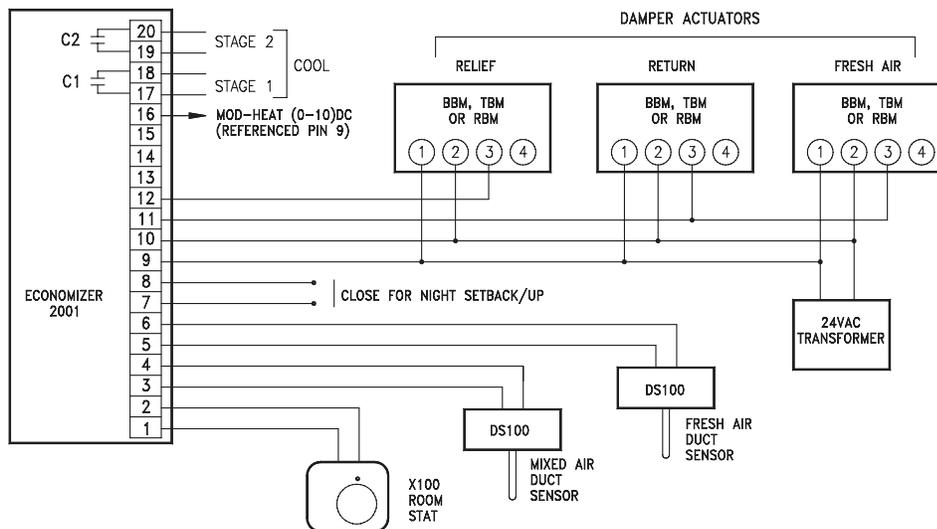
- Leds provide indication of operation of heating and cooling stages and economizer (free cooling) functions.
- System output can be balanced against space load demand to maintain stable room temperature with minimum swing.
- Panel recycles to all stages off during power failure.
- Modulating 0-10vdc signals control fresh air, return air and relief dampers.
- Parallel connection of multiple motors permitted for very large dampers.
- Built-in adjustable night setback/setup can be engaged by dry contacts from time to time switch contacts such as honeywell ST4LSA or from 0-10vdc analog input into terminal #8.
- Complete system including all motors can be operated from a single 24vac. 10va transformer.



Econo 2000 Controller



Wiring Diagram



NEPTRONIC - Thermostat

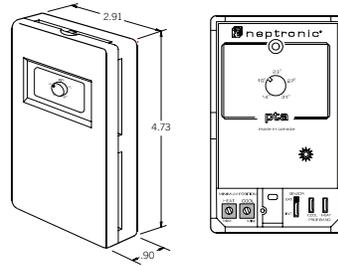
Specifications

Model	Input	Power Consumption	Signal Output	Output Impedance	Ambient Temp.	Operating Temp.	Setpoint Range
PTA	24 vac ±15%	2va max.	0-10 vdc, cooling ramp 1&2 0-10 vdc, heating ramp 1&2	2 KΩ, heating and cooling ramps 500 Ω, tpm output	-20° - +50°C	0° - 45°C	14° - 31°C



PTA
Modulating Wall Thermostat

- Modulating heating & cooling outputs, designed for zone air conditioning applications
- Two heating and two cooling ramps (0-10vdc) are available



NEPTRONIC - Controllers

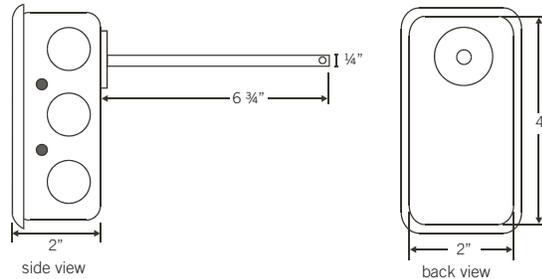
Specifications

Model	Sensor	Curve	Tolerance	Encapsulation	Leads
DS100	NTC (negative temperature coefficient)	A	± 2°C to 35°C	black epoxy	AWG 28, Ag/cu, Kynar 460 white/white, 2 conductors twisted



DS100
Remote Duct Sensor

- Duct sensor for remote temperature reading
- Must be used with a temperature controller PTA , econ-2000 or a X-200



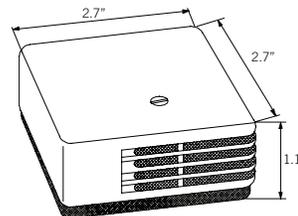
Specifications

Model	Sensor	Curve	Tolerance	Encapsulation	Leads
WS100	NTC (negative temperature coefficient)	A	± 2°C to 35°C	black epoxy	AWG 28, Ag/cu, Kynar 460 white/white, 2 conductors twisted



WS100
Remote Wall Sensor

- Wall sensor for remote temperature reading
- Must be used with a temperature controller PTA, PTC or a econo-2000 from Neptronic NTC (negative temperature coefficient)



BELIMO - Actuators**BELIMO ACTUATORS**

Two Position, Spring Return Actuators

LF 120 (35 in-lb Torque)

LF 24 (35 in-lb Torque)

LF 24-S (35 in-lb Torque) c/w END SWITCH

NF 120 (60 in-lb Torque)

NF 24 (60 in-lb Torque)

NF 24-S (60 in-lb Torque) c/w END SWITCH

AF 120 (133 in-lb Torque)

AF 120-S (133 in-lb Torque) c/w END SWITCH



Note: 24 = 24 Volt
120 = 120 Volt

BELIMO ACTUATORS

Modulating, Spring Return

LF24-SR-S (35 in-lb Torque)

LF24-MFT-S (35 in-lb Torque)

NF24-SR-S (60 in-lb Torque)

NF24-MFT-S (60 in-lb Torque)

AF24-SR-S (133 in-lb Torque)

AF24-MFT-S (133 in-lb Torque)

MFT = Multi-Function Technology®

Belimo damper actuators and control valves with Multi-Function Technology® (MFT) include standard 2 to 10 VDC proportional control functions, plus they can be re-programmed. Parameters can be changed on-site to optimize/enable application. Parameters can be set for voltage control (VDC), time proportional control (PWM), floating point, on-off, feedback signal, or torque output. You can also set, modify or read position, running time, mechanical working range, address, status, and diagnostics. MFT allows you to adapt the actuator to your system for service replacement and to improve system functionality.

**BELIMO ACTUATORS**

Two Position, Non-Spring Return

LMB24-3 (45 in-lb Torque)

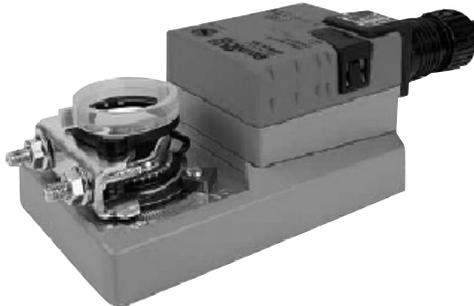
LMB24-S (45 in-lb Torque) c/w END SWITCH

NMB24-3 (90 in-lb Torque)

NMB24-S (90 in-lb Torque) c/w END SWITCH

AMB24-3 (180 in-lb Torque)

AMB24-S (180 in-lb Torque) c/w END SWITCH



Note: 24 = 24 Volt
120 = 120 Volt

BELIMO ACTUATORS

Modulating, Non-Spring Return

LMB24-SR (45 in-lb Torque)

LMB24-MFT (45 in-lb Torque)

NMB24-SR (90 in-lb Torque)

NMB24-MFT (90 in-lb Torque)

AMB24-SR (180 in-lb Torque)

AMB24-MFT (180 in-lb Torque)

MFT = Multi-Function Technology®

Belimo damper actuators and control valves with Multi-Function Technology® (MFT) include standard 2 to 10 VDC proportional control functions, plus they can be re-programmed. Parameters can be changed on-site to optimize/enable application. Parameters can be set for voltage control (VDC), time proportional control (PWM), floating point, on-off, feedback signal, or torque output. You can also set, modify or read position, running time, mechanical working range, address, status, and diagnostics. MFT allows you to adapt the actuator to your system for service replacement and to improve system functionality.

Note: 24 = 24 Volt
120 = 120 Volt

BELIMO - Valves

BELIMO Zone Valves

Service: Chilled or Hot water, 50% glycol

Flow Characteristics: 2-way On/Off

Media Temp Range: 32F to 104F

- Push button for quick removal of actuator
- Easy manual open lever with automatic return
- Only 2-3/8" wide to fit most baseboards
- Spring return normally closed or normally open
- Quiet operation



Model	Cv Rating	Nominal Size	Close Off (psi)	24V Normally Closed
ZONE225N-80	8.0	1"	20	YES

B3 Series Characterized Control Valve, Non-Spring Return Actuator
Three-way valve with stainless steel ball and stem, NPT female ends

Service: Chilled or Hot Water, 60% glycol

Flow Characteristic: A port equal percentage B port modified linear for constant flow

Media Temp Range: 0°F to 212°F [-18°C to 100°C]

Maximum differential: For Characterized A-port pressure (ΔP) 30 psi for typical applications 20 psi max for quiet service, On/Off control 150 psi

Ambient Temp Range: -22°F to 122°F [-30°C to 50°C]

B port is 70% of A port value

Leakage 0% for A to AB

0.5% to 2.0% B to AB



Model #CCV Valve	Cv Rating	Nominal Size	Close Off (psi)	Proportional Actuator
B323	10	1"	200	LRB24-SR
B329	10	1-1/4"	200	LRB24-SR
B339	29	1-1/2"	200	LRB24-SR
B349	46	2"	200	LRB24-SR

Note: Actuators on valves are 24 Volt
 Optional S1A Auxiliary Switch is Available

VANGUARD - PEX Tubing

Part Number	Tubing Size	O.D.	Wall Thickness	Nom. I.D.	Weight Per Foot
PXR2C	3/8"	0.500 ± .003	0.070 + 0.10	0.350	.0413
PXR3C	1/2"	0.625 ± .004	0.070 + 0.10	0.475	.0535
PXR4C	3/4"	0.875 ± .004	0.097 + 0.10	0.671	.1023
PX5C	1"	1.125 ± .005	0.125 + 0.13	0.863	.1689
PXOB2*	3/8"	0.500 ± .003	0.070 + 0.10	0.350	.0413
PXOB3*	1/2"	0.625 ± .004	0.070 + 0.10	0.485	.0535
PXOB8*	5/8"	0.750 ± .004	0.083 + 0.10	0.584	.0810
PXOB4*	3/4"	0.875 ± .004	0.097 + 0.10	0.671	.1023

Note: Dimensions are in English units. Tolerances shown are ASTM requirements.

* Indicates Oxygen Barrier PEX Tubing part number



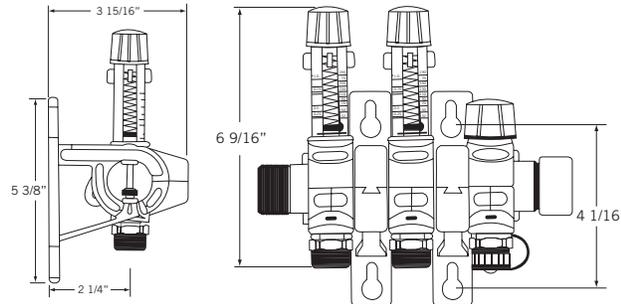
**VANGUARD
PEX Tubing**

- Available in coil lengths and 20' straight lengths. Oxygen barrier Vanex BPEX tubing is available in coils only
- Manufactured and tested to the requirements of ASTM 876 and F877. The degree of cross-linking of finished tubing is determined by method ASTM 2765.

MANIFOLDS

1" MIP Connections

Loops	2	3	4	5	6	7	8	9	10	11	12
Length	7¾"	9¾"	11¾"	13¾"	15¾"	17¾"	19¾"	21¾"	23¾"	25¾"	27¾"



**CANray UniQuick
Manifolds**

- Set with actuator Style Supply
- Manifold and Balance Module with Flow & Temperature Indicator on Retrun Manifold
- Complete with mounting brackets

ACCESSORIES



PVC PEX Bend Guides

PVC bend guides provide protection @ slab penetrations & create professional appearance at the manifolds.



Manifold Zone Actuators

Mounts directly on Vanguard manifolds

- 2 Wire - 24 Volt w/o end switches
- 4 Wire - 24 Volt with end switches

MODEL TF - Power Vented Gas Fired Unit Heater

Performance Data

Model	Input BTU/HR (kW)	Output BTU/HR (kW)	Thermal Efficiency (%)	Free Air Delivery - CFM (cu.m/s)	Full Load Amps @ 120 V	RPM	Weight
TF	100,000 (29.3)	81,000 (23.7)	81	1,600 (0.756)	5.3	1,050	173
TF	125,000 (36.6)	101,250 (29.6)	81	2,200 (1.039)	5.8	1,140	185
TF	150,000 (43.9)	121,500 (35.6)	81	2,400 (1.133)	5.8	1,140	195
TF	175,000 (51.2)	141,750 (41.5)	81	2,850 (1.346)	8.0	1,140	241
TF	200,000 (58.6)	162,000 (47.5)	81	3,200 (1.511)	8.0	1,140	251
TF	250,000 (73.2)	202,500 (59.3)	81	3,450 (1.629)	8.0	1,140	260



**Model TF
Power Vented Unit Heater**

- Certified by ETL for use in commercial and industrial applications
- Sizes available in 100 to 400 MBH

MODEL QVF - Propeller / Gravity Vented Gas Fired Unit Heater

Performance Data

Model	Input BTU/HR (kW)	Output BTU/HR (kW)	Thermal Efficiency (%)	Free Air Delivery - CFM (cu.m/s)	Full Load Amps @ 120 V	RPM	Weight
QVF	75,000 (22.0)	60,750 (29.3)	80	1,100 (0.591)	2.1	1,050	104
QVF	100,000 (29.3)	80,000 (23.4)	80	1,480 (0.699)	3.4	1,050	178
QVF	125,000 (36.6)	100,000 (29.3)	80	1,650 (0.799)	3.6	1,050	200
QVF	150,000 (43.9)	120,000 (35.1)	80	2,200 (1.038)	4.8	1,140	209
QVF	175,000 (51.2)	140,000 (41.0)	80	2,530 (1.194)	5.8	1,140	232
QVF	200,000 (58.6)	160,000 (46.9)	80	2,640 (1.246)	5.8	1,140	242
QVF	225,000 (65.9)	180,000 (52.7)	80	2,700 (1.274)	5.8	1,140	279



**Model QVF
Gravity/Propeller Vented
Unit Heater**

- Complete heat generating and distributing plant equipped with automatic safety controls
- Space saving casing allows unit to be mounted near the ceiling
- Propeller units are low static pressure appliances
- Sizes available in 100 to 400 MBH

MODEL RF - Power Vented Gas Fired Unit Heater

Performance Data

Model	Input BTU/HR (kW)	Output BTU/HR (kW)	Thermal Efficiency (%)	Free Air Delivery - CFM (cu.m/s)	Full Load Amps @ 120 V	RPM	Weight
RF	30,000 (8.8)	24,300 (7.1)	81	500 (0.236)	3.0	1650	72
RF	45,000 (13.2)	36,450 (10.7)	81	750 (0.355)	3.0	1650	78
RF	60,000 (17.6)	48,600 (14.2)	81	1,000 (0.473)	3.7	1050	102
RF	75,000 (22.0)	60,750 (17.8)	81	1,250 (.0591)	3.7	1050	108



**Model RF
Power Vented Unit Heater**

- Highly efficient, extremely durable alternative to the traditional clam shell design
- Propeller type unit features the latest tubular heat exchanger and inshot burner technology
- Certified by ETL for commercial, industrial and residential garage applications
- Sizes offered from 30-90 MBH

MODEL HSB - Horizontal, Hydronic Unit Heater

Performance Data (Based on 200°F EWT, 60°F EAT, 20°F TD)

Model	Output BTU/HR	GPM	Final Air Temp. F	Prs. Drop FT./H ₂ O	Motor HP	RPM	Nominal CFM	Amps @ 115VAC
HSB-18	11,725	1.3	99	.005	9 watt	1350	350	.53
HSB-24	15,600	1.8	98	.014	9 watt	1350	380	.53
HSB-36	23,500	2.7	103	.09	1/20	1350	480	1.1
HSB-48	31,300	3.5	111	.12	1/20	900	630	1.4
HSB-60	39,200	4.4	112	.17	1/20	900	700	1.4
HSB-96	62,700	7.0	113	.29	1/12	900	1100	2.2
HSB-120	78,400	8.8	105	.39	1/12	900	1600	2.2
HSB-132	95,800	9.3	104	.41	1/3	1140	2000	4.5
HSB-180	118,000	11.8	110	.60	1/3	1140	2200	4.5
HSB-204	148,100	14.9	107	.79	1/3	1140	2900	4.5



**Model HSB
Horizontal, Hydronic
Unit Heater**

Gas Regulators

Capacity Data for Natural Gas @ 7" w.c. (4 oz's) Outlet Pressure

Inlet Pressure PSI					
Model	Orifice	2	5	10	15
1213B2 3/4" x 3/4"	5/16"	375,000	700,000	1,100,000	1,400,000
1213B2 1" x 1"	5/16"	375,000	750,000	1,200,000	1,600,000
1813C 3/4" x 3/4"	9/16"	650,000	1,200,000	1,700,000	2,000,000
1813C 1" x 1"	5/16"	450,000	750,000	1,400,000	1,900,000
1813C 1-1/4" x 1-1/4"	1/4"	500,000	1,000,000	1,500,000	1,800,000
1813C 1-1/4" x 1-1/4"	1/2"	950,000	1,700,000	2,500,000	2,500,000
1813C 1-1/4" x 1-1/4"	9/16"	1,400,000	2,500,000	2,500,000	
1813B 1-1/2" x 1-1/2"	7/8"	2,600,000	4,400,000	4,400,000	8,000,000
1813C 2" x 2"	1/2"	1,600,000	2,900,000	2,900,000	6,400,000



1200 Series



1813C Series



1813B Series

*Note: If the inlet pressure you are using is not listed please contact E.H. Price for assistance.

* Many different orifices and spring ranges are available.

Relief

Maximum Pressure – This is the inlet pressure, where on fail open relief, the outlet pressure will rise to 2 PSIG. The allowable maximum, in most cases for 7" W.C. systems. When the inlet pressure exceeds this pressure we suggest using additional relief pr an over pressure shut off devise.

Vent Lines (Relief) – When installing vent lines leading to the outside of buildings, sizing should be based on the following guidelines:

- Increase one pipe diameter after the first 10-ft and every 50-ft thereafter
- Each elbow equals 3 ft of pipe (including 45 degree elbows)

Failure to follow these guidelines will result in poor regulator performance and relief capabilities

TRERICE THERMOMETERS - Adjustable Angle

Adjustable Angle

Model	Scale Size	Stem Material	Stem Length	Range Dual Scale
BX9140347	9"	Aluminum	3 1/2"	30° to 240° F & 0° to 115° C
BX9140341	9"	Aluminum	3 1/2"	-40° to 110° F & -40° to 40° C



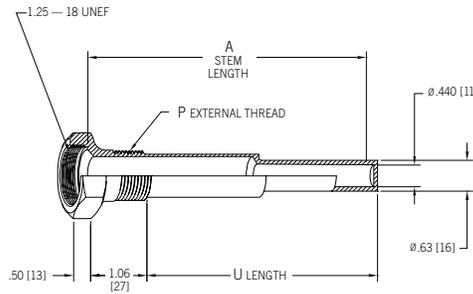
**TRERICE
Adjustable Angle
Industrial Thermometer**

- Extreme accuracy and rugged dependability
- Available in scale lengths of 7"(AX), 9"(BX), & 12"(CX)
- Durable cast aluminum case included
- Universally adjustable, liquid-in-glass thermometer

Thermowells for Rx Thermometers

Model	External Thread Size	Stem Length	Material
3-4F2	3/4"	3 1/2"	Brass

A thermowell is a pressure tight receptacle designed to accept a temperature sensing element and provide a means to insert that element into a vessel or pipe.



TRERICE THERMOMETERS - Econo

Econo

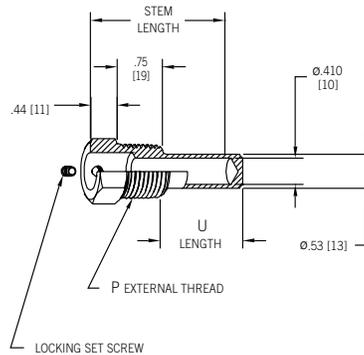
Model	Stem Length	Range	
435210247SPB	2"	30° - 240° F	Angle
435210241SPB	2"	40° - 110° F	Angle

Model	Stem Length	Range	
435010247SPB	2"	30° - 240° F	Straight
435010241SPB	2"	40° - 110° F	Straight

Thermowells for Econo Thermometers

Model	External Thread Size	Stem Length	Material
3-3C2	1/2" NPT	2"	Brass

A thermowell is a pressure tight receptacle designed to accept a temperature sensing element and provide a means to insert that element into a vessel or pipe.



**TRERICE
Econo Thermometer**

- Accuracy and durability at an economical price
- Accuracy and durability at an economical price
- Durable cast aluminum case included
- Polycarbonate frame front and window

TRERICE PRESSURE GAUGES - Contractor

Contractor Gauge 620 B

Model	Dial Size	Connection	Connection Size	Range
620B	4 1/2"	Bottom	1/4"	0-30
620B	4 1/2"	Bottom	1/4"	0-60
620B	4 1/2"	Bottom	1/4"	0-100

Ball Cock - #866
 Pressure Snubber - #872-2
 Coil Syphon - #885-1



TRERICE Contractor Gauge 620B

- Designed to service the general pressure measurement requirements of the construction industry
- High reliability at an economic price
- Corrosion resistant, stainless steel case and acrylic window
- Wetted parts are brass

TRERICE PRESSURE GAUGES - Utility

Contractor Gauge 620 B

Model	Dial Size	Connection	Connection Size	Range
D82LFB	2 1/2"	Bottom	1/4"	0-15
D82LFB	2 1/2"	Bottom	1/4"	0-30
D82LFB	2 1/2"	Bottom	1/4"	0-60

Ball Cock - #866
 Pressure Snubber - #872-2
 Coil Syphon - #885-1

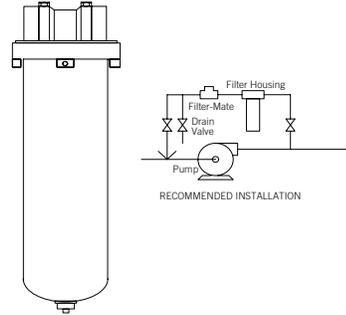


TRERICE Utility Gauge D80

- Designed for rugged performance requirements at an economical cost
- This liquid filled gauge is furnished with a stainless steel case and crimped ring
- Wetted parts are either bronze tube with brass socket or stainless steel

Hydronic Accesories

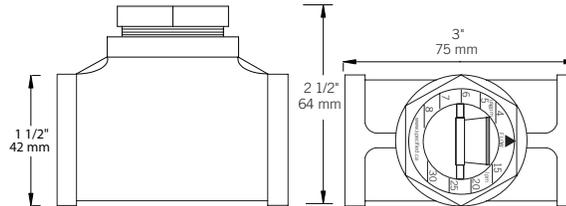
Connections	Materials	Cartridge Required	Max. Pressure	Max. Temperature
3/4" N.P.T.	304 S.S. & Brass	9 & 7/8" or 10"	300 P.S.I.	200 Degrees F.
20mm N.P.T.	304 S.S. & Brass	24 cm	2070 kPa	95 Degrees C.



- MODEL FSS-34
Side Stream Filter Housing**
- High quality filter housing for high temperature and pressure applications
 - Mounting bracket and wrench included

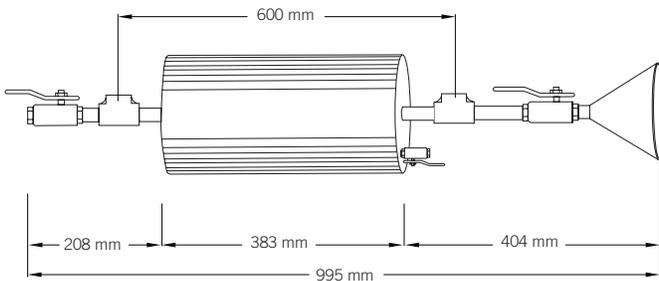
Filter-Mate Flow Indicator

Model	Size N.P.T	usgpm/lpm	P.S.I. / kPa	Max. Temp	Body Mat.	Cap Mat.	Int. Mat.	Accuracy
Filter-Mate 3/4	3/4" - 20mm	4-8 / 15-30	150 / 1082	212F / 100C	304 S.S.	Plated Steel	Nylon / S.S.	+/-10%
Filter-Mate 1	1" - 25mm	7-11 / 28-42	150 / 1082	212F / 100C	304 S.S.	Plated Steel	Nylon / S.S.	+/-10%



- FILTER-MATE
Flow Indicator**
- Corrosion free service
 - Can be installed vertically or horizontally
 - No gaskets to leak

Chemical Pot Feeder



- STS-8 Litre
Chemical Pot Feeder**
- Welded steel construction to A.P.I. 12 F specifications
 - Pressure tested to 350 kPa (50 p.s.i.)
 - All fittings are 20mm (3/4") N.P.T. (except air vent 1/4")

Wye Strainers

Model	Description	Size
LCTY0050	NPT, Cast Iron 400psi @ 150°F of water	1/2"
LCTY0075	NPT, Cast Iron 400psi @ 150°F of water	3/4"
LCTY0100	NPT, Cast Iron 400psi @ 150°F of water	1"
LCTY0125	NPT, Cast Iron 400psi @ 150°F of water	1 1/4"
LCTY0150	NPT, Cast Iron 400psi @ 150°F of water	1 1/2"
LCTY0200	NPT, Cast Iron 400psi @ 150°F of water	2"



Wye Strainers

Circuit Balancing Valves

Model	Description	Size
LGS0050	NPT, Balancing Valve	1/2"
LGS0075	NPT, Balancing Valve	3/4"
LGS0100	NPT, Balancing Valve	1"
LGS0125	NPT, Balancing Valve	1 1/4"
LGS0150	NPT, Balancing Valve	1 1/2"
LGS0200	NPT, Balancing Valve	2"



Circuit Balancing Valves

Inline Air Scoops

Model	Size
AS0100	1"
AS0100	1 1/4"
AS0100	1 1/2"
AS0100	2"
AS0100	2 1/2"

Auto Air Vent – AA-1/8 – 1/8"
 Industrial Air Vent – MV150075 – 3/4"



Inline Air Scoops

Stainless Steel Flexible Connectors

Model	Description	Size
SSTC0050	MPT, Carbon Steel Connection, Stainless Steel Braid	1/2"
SSTC0075	MPT, Carbon Steel Connection, Stainless Steel Braid	3/4"
SSTC0100	MPT, Carbon Steel Connection, Stainless Steel Braid	1"
SSTC0125	MPT, Carbon Steel Connection, Stainless Steel Braid	1 1/4"
SSTC0150	MPT, Carbon Steel Connection, Stainless Steel Braid	1 1/2"
SSTC0200	MPT, Carbon Steel Connection, Stainless Steel Braid	2"



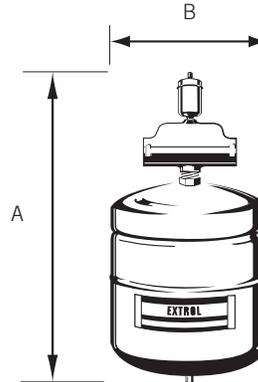
Stainless Steel Flexible Connectors

AMTROL - Extrol Expansion Tanks

Specifications

Model	Tank Volume (Gallons)	Max. Accept. Volume (Gallons)	A Height (inches)	B Diameter (inches)	System Conn.* (inches)
15	2.0	0.9	12 5/8	1/2	5
30	4.4	2.5	15 1/2	1/2	9
60	7.6	2.5	23	1/2	14
90	14.0	11.3	21	1/2	23

* System Connection is NPTM



EXTROL
Expansion Tank

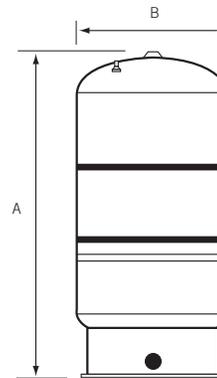
- Factory pre-charged to 12 psig
- Maximum working Pressure: 100 psig
- Maximum operating temperature: 240° F

AMTROL - SX Series Expansion Tank

Specifications

Model	Tank Volume (Gallons)	Max. Accept. Volume (Gallons)	A Height (inches)	B Diameter (inches)	System Conn.* (inches)
SX-30V	14	11.3	24 3/4	15 3/8	1
SX-40V	20	11.3	32 1/2	15 3/8	1
SX-60V	32	11.3	47 1/2	15 3/8	1
SX-90V	44	34.0	36	22	1 1/4
SX-110V	62	34.0	46 3/4	22	1 1/4
SX-160V	86	46.0	47 1/4	26	1 1/4

* System Connection is NPTF



EXTROL
SX Series Expansion Tank

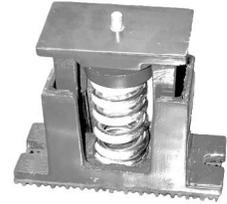
- Factory pre-charged to 12 psig
- Maximum working Pressure: 100 psig
- Maximum operating temperature: 240° F

MODEL AA-1 - Housed Spring Isolators

Model	Rated Load (lbs)	Rated Load (lbs)
AA-1-109	600	900
AA-1-110	733	1100
AA-1-111	866	1300

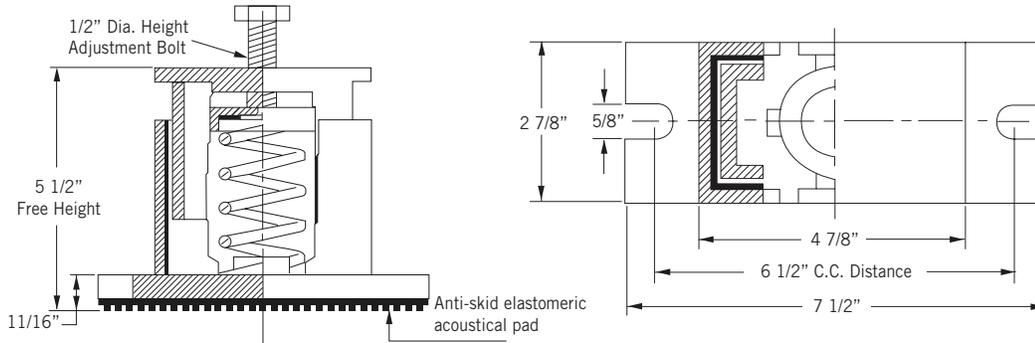
NOTES

1. Cast iron housings.
2. Springs have 50% additional travel to solid beyond
3. Isolators should be selected in the range of -30% to +25% of rated load.
4. Adjust mounting so that upper housing clears lower housing by at least 1/4" but not more than 1/2".



MODEL AA-1
External Adjustment
Housed Spring Isolators

- Mounts are provided with slotted mounting holes and a non-skid elastomeric acoustic pad on the base for bolting to floor
- Resilient elastomeric snubbers on inner panel to prevent metal to metal contact
- Spring elements are galvanized for long life



MODEL HSA - Spring Hanging Isolators

Model	Rated Load (lbs)	Rated Load (lbs)
HSA-121	40	60
HSA-122	66	100
HSA-123	110	165
HAS-123	173	260

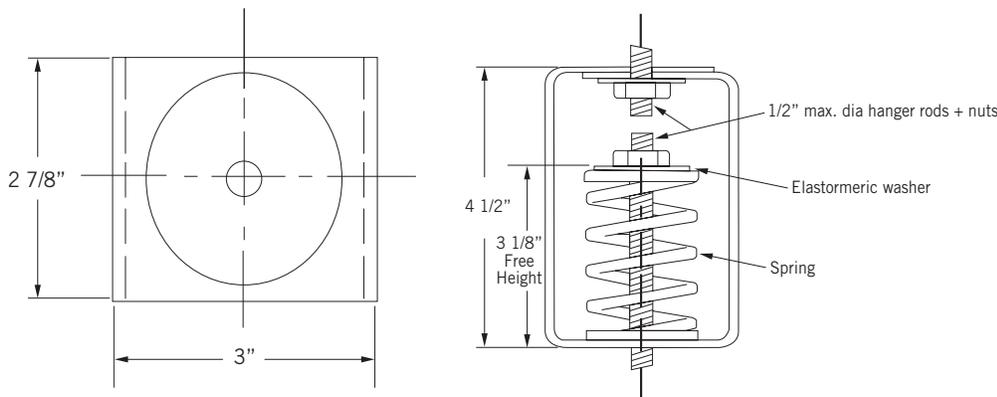
NOTES

1. Springs have 50% additional travel to solid beyond rated load.
2. Isolators should be selected in the range of -30% to +25% of rated load.
3. Consult spring chart for isolator performance data.
4. Nuts, washers & rods by others.



MODEL HSA
Spring Hanging Isolators
1" Deflection

- Dual (Steel & Elastomer) washers for uniform load distribution and high frequency isolation
- Used for critical areas where noise and vibration both need to be controlled

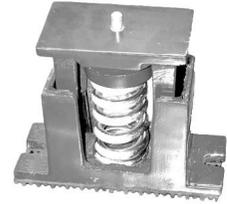


MODEL ZA - Housed Spring Isolators

Model	Rated Load (lbs)	Rated Load (lbs)
ZA-123	110	165
ZA-124	173	260
ZA-125	246	370
ZA-126	300	450
ZA-127	560	840

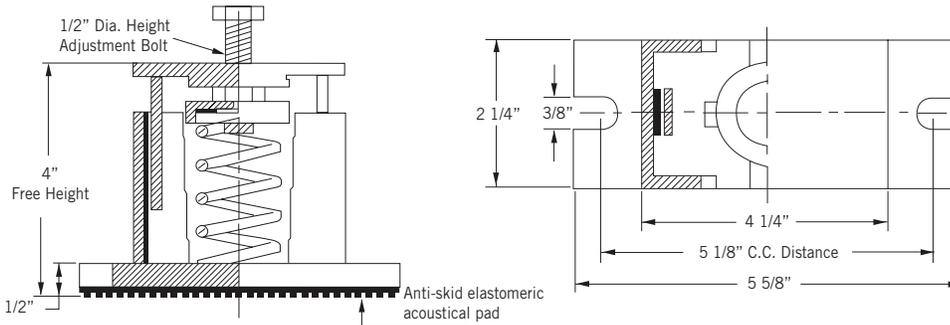
NOTES

1. Cast iron housings.
2. Springs have 50% additional travel to solid beyond rated load.
3. Isolators should be selected in the range of -30% to +25% of rated load
4. Adjust mounting so that upper housing clears lower housing by atleast 1/4" but not more than 1/2".



**MODEL ZA
External Adjustment
Housed Spring Isolators**

- Cast iron housing to house spring mounts are provided with slotted mounting holes with non skid elastomeric acoustic pad on the base for easy bolting to the floor
- Built in leveling device
- Resilient elastomeric snubbers on the inner panels to prevent metal to metal contact



ACCESSORIES



Steel-Rubber Mounting Pad

SRMP-2R-0404
4" x 4" x 13/16"

Your Number One Source for Domestic Hot Water or Hydronic Space Heating Application

RBI offers the most complete line of finned copper tube boilers and water heaters available today. Models are available to fit any commercial application, from atmospheric to fan-assisted sealed combustion in a wide 100,000 to 4,000,000 BTU capacity range.

Quality Manufacturing

RBI's commercial water heaters are the only units on the market that come standard with bronze headers across the entire product line. Greater installation flexibility is provided by left or right gas connections and left and right water connections. We do not use cast iron headers with glass or epoxy lining on any of our water heaters to eliminate worry about rusty or contaminated domestic water caused by lining failures in cast iron headers. Our "higher standards" in design do not translate to "higher costs" for our customers. RBI high quality water heaters are among the most competitively priced units on the market.



Futera II



Futera III



Dominator



LCD Dominator



8800 / 8900



Spectrum

RBI - Non-stock Item

Call for Availability

Condensing, Modulating, Hot Water Supply, Pool, and Hydronic Heating Boilers

The gas-fired Futera Fusion™ now brings the field-proven performance of Futera III Modulation boilers and water heaters to the ultimate levels of efficiency and reliability. This innovative design is the ideal choice for applications with low operating, return, or make-up water temperatures. Unlike most condensing products available today which publish the highest efficiencies at the lowest inputs, the Fusion is capable of attaining efficiencies as high as 98% at Full Input! The full modulation firing system continuously varies the energy input to precisely match heating load without over-firing and wasting fuel. This provides extremely high part-load efficiencies. System sizing is made simple with models available from 500 MBH to 2000 MBH. If you're looking to maximize operating efficiency, reliability, and flexibility in domestic hot water, pool, and hydronic heating applications, the Fusion is your heating solution.

Dimensions & Ratings

Model	Input		Output		Flue Vent		Air Intake		Connections		Weight	
	MBH	kW	MBH	kW	Positive (up to 60')	For Horizontal (up to 60')	Gas	Water	Gas	Water	Lbs	kg
500	500	147	490	144	7"		6"		1"	2"	566	257
750	750	220	728	213	7"		6"		1"	2"	695	315
1000	1,000	293	970	284	7"		6"		1¼"	2"	705	320
1250	1,250	366	1200	352	8"		8"		1¼"	2½"	800	363
1500	1,500	440	1440	422	8"		10"		1¼"	2½"	863	392
1750	1,750	513	1663	487	10"		12"		1½"	2½"	1054	478
2000	1,999	586	1899	556	10"		12"		1½"	2½"	1133	514

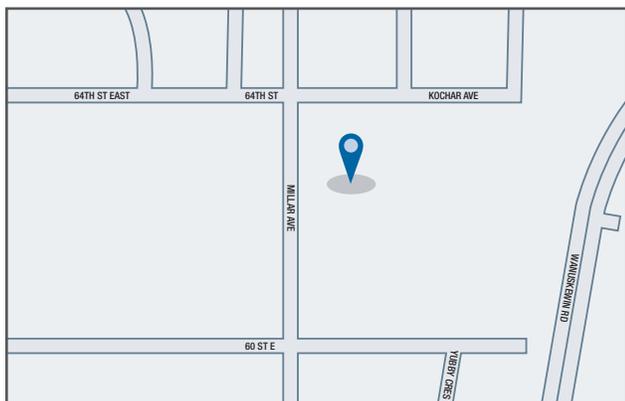
**Futera Fusion**

- 500 – 1999 MBH
- Finned copper tube heat exchanger, ASME 160 psi Max WP, 4-pass design
- Rugged solid stainless steel secondary heat exchanger with extremely low pressure drop
- Commercial grade modulating temperature control mixing valve accurate to +/- 1° F

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Warranty: The Company warrants and guarantees that all goods within this brochure that have been manufactured by the Company have been manufactured in accordance with the specifications published herein and will be free from defects in material and workmanship for a period of twelve (12) months from the Bill of Lading issued by the Company. The Company will replace defective product at its option, but will not be responsible for labor or material charges in replacing product or consequential damages. Any installation not conforming with the Company's specifications, manuals, bulletins or instructions or any misuse or any modification not authorized by the Company voids this warranty. This warranty is in lieu of all Provincial, State, and Federal statutory warranties and the conditions herein are in substitution and replacement of which warranties, statutory or otherwise.