HTG

Heat Transfer Group, Inc.

Single-Phase / Fluid-to-Fluid

HEAT EXCHANGERS

UL CE RoHS COMPLIANT

Single-Phase / Fluid-to-Fluid

HEAT EXCHANGERS

ABOUT HEAT TRANSFER GROUP

- Headquartered in Long Island, NY with Production Facilities in the US, Europe, and Asia
- Specializes in Supporting OEMs with Optimized Brazed Plate Designs to Meet Exact Requirements
- Maintains Dedicated Stock for OEMs with Immediate Delivery
- Thousands Of Heat Exchangers In General Stock For Prototype Testing, Samples, and Small Production Runs
- Responsive Application Engineering and Sales Support
- User-Friendly Selection Software

SINGLE-PHASE / FLUID-TO-FLUID DESIGN

Designed for the efficient heating or cooling of a wide variety of fluids and gasses compatible with the materials of construction.

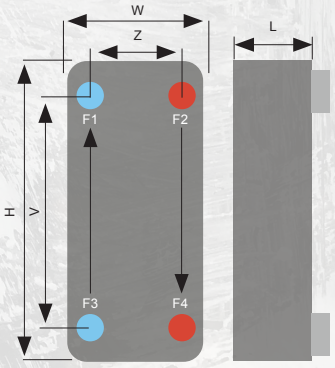
Typical Applications:
Steam & Hydronics, Process Heating/Cooling, Oil Coolers, Chilled Water, Engine Cooling, Snow Melt, Deionized Water, Dielectric Fluids, and *Potable Water.*

Single-Wall, Double-Wall, Dual Circuits, Multi-Circuits available. Optional Insulation Kits and Mounting Brackets.

MATERIALS OF CONSTRUCTION

Plate Material:	316L Stainless
Brazing Material:	Copper, Nickel, or All-Stainless-Steel
Connection Material:	304 Stainless Steel (NPT, FNPT, BSP, SAE, Flanged or Grooved-Stainless-Steel)
UL Working Pressure Rating:	450 psi

HTG Model	Height (H)	Width (W)	Vertical (V)	Horiz (Z)	Depth (L)	Max Plates	Surface Area	Max Flow	Max Conn
HTG012	7.56	2.87	6.06	1.57	0.354+.0906n	60	0.129	18 GPM	3/4”
HTG013A	7.83	3.35	6.06	1.57	0.512+.0921n	60	0.140	18 GPM	3/4”
HTG014	8.07	2.95	6.77	1.65	0.354+.0906n	60	0.151	18 GPM	3/4”
HTG018	9.06	3.5	7.17	1.69	0.354+.0906n	60	0.194	26 GPM	1”
HTG020A	6.61	4.8	4.72	2.87	0.417+.0906n	60	0.215	53 GPM	1-1/4”
HTG022	12.52	2.95	10.94	1.65	0.354+.0906n	60	0.237	18 GPM	3/4”
HTG028	12.24	4.37	9.84	1.97	0.354+.0906n	150	0.301	80 GPM	1”
HTG030B	11.81	4.72	9.84	2.76	0.354+.0906n	150	0.323	53 GPM	1-1/4”
HTG035A	12.13	4.92	9.84	2.76	0.276+.0945n	120	0.377	80 GPM	1-1/4”
HTG052	20.75	4.37	18.35	1.97	0.354+.0945n	150	0.560	80 GPM	1-1/4”
HTG060B	20.75	4.72	18.86	2.83	0.354+.0906n	120	0.646	53 GPM	1”
HTG095	24.29	7.48	20.28	3.62	0.433+.0945n	250	1.023	155 GPM	2”
HTG115A	21.06	9.96	16.93	6.85	0.591+.0945n	280	1.238	200 GPM	2-1/2”
HTG120G	20.87	9.84	17.72	6.44	0.512+.0906n	250	1.292	177 GPM	2-1/2”
HTG136	19.29	9.84	14.88	5.43	0.512+.1122n	250	1.464	309 GPM	3”
HTG210	29.09	12.68	23.74	7.40	0.512+.1122n	250	2.260	463 GPM	4”
HTG310	38.78	14.69	32.09	7.87	0.787+.1122n	300	3.337	661 GPM	5”



* “n” = number of plates, Medium and Low Theta plates available in certain sizes

* Additional sizes availble.

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2211-C Fifth Avenue, Ronkonkoma, NY 11779 | Phone: 631-651-2660 | www.heattransfergroup.com

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Two-Phase / Refrigeration

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- ✓ Responsive Application Engineering and Sales Support
- ✓ User-Friendly Selection Software

TWO-PHASE SINGLE & DUAL CIRCUIT HEAT EXCHANGERS

Advanced heat exchanger designs ideal for all the common refrigerants including the new alternatives (R-32, R-1234yf, R-1234zez, R-290, R-448A, R-449A, R-454B, R-513a, and R-455A).

Typical Applications:
Evaporators and ***Condensers*** for Packaged Chillers, Process Chillers, Heat Pumps, Cascade Refrigeration Systems, Commercial Refrigeration and HVAC. ***Subcoolers*** for Supermarket Refrigeration. ***Economizers*** to improve system efficiency.

Optional Insulation Kits and Mounting Brackets.

MATERIALS OF CONSTRUCTION

Plate Material:	316L Stainless
Brazing Material:	Copper, Nickel, or All-Stainless-Steel
Connection Material:	304 Stainless Steel (NPT, FPT, BSP, SAE, Flanged or Grooved-Stainless-Steel)
UL Working Pressure Rating:	653 psi

SINGLE CIRCUIT

HTG Model	Height (H)	Width (W)	Vertical (V)	Horiz (Z)	Depth (L)	Max Plates	Surface Area	Max Flow	Max Conn
HTG006	4.72	2.13	3.58	1.02	0.268+.0047n	30	0.066	10 GPM	3/8"
HTG012	7.56	2.87	6.06	1.57	0.354+.0906n	60	0.129	18 GPM	3/4"
HTG014	8.07	2.95	6.77	1.65	0.354+.0906n	60	0.151	18 GPM	3/4"
HTG018	9.06	3.5	7.17	1.69	0.354+.0906n	60	0.194	26 GPM	1"
HTG022	12.52	2.95	10.94	1.65	0.354+.0906n	60	0.237	18 GPM	3/4"
HTG028	12.24	4.37	9.84	1.97	0.354+.0906n	150	0.301	80 GPM	1"
HTG030B	11.81	4.72	9.84	2.76	0.354+.0906n	150	0.323	53 GPM	1-1/4"
HTG052	20.75	4.37	18.35	1.97	0.354+.0945n	150	0.560	80 GPM	1-1/4"
HTG060B	20.75	4.72	18.86	2.83	0.354+.0906n	120	0.646	53 GPM	1"
HTG095	24.29	7.48	20.28	3.62	0.433+.0945n	250	1.023	155 GPM	2"
HTG120G	20.87	9.84	17.72	6.44	0.512+.0906n	250	1.292	177 GPM	2-1/2"
HTG136	19.29	9.84	14.88	5.43	0.512+.1122n	250	1.464	309 GPM	3"
HTG210	29.09	12.68	23.74	7.40	0.512+.1122n	250	2.260	463 GPM	4"
HTG310	38.78	14.69	32.09	7.87	0.787+.1122n	300	3.337	661 GPM	5"

* "n" = number of plates, Medium and Low Theta plates available in certain sizes

DUAL CIRCUIT

HTG Model	Height (H)	Width (W)	Vertical (V)	Horiz (Z)	Depth (L)	Max Plates	Surface Area	Max Flow	Max Conn
HTG110*	19.29	9.84	15.41	6.45	0.433+.0910n	200	1.184	273 GPM	2-1/2"
HTG210*	29.09	12.53	23.58	9.13	0.510+.1122n	300	2.26	462 GPM	3"
HTGK215D	20.83	9.72	17.68	6.57	0.512 + 0.0940n	200	1.187	273 GPM	2-1/2"
HTGK415D	29.57	12.64	25.83	8.9	0.551 + 0.0940n	300	2.232	462 GPM	3"

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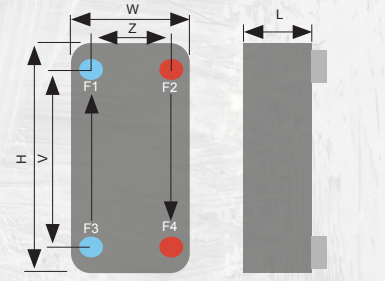
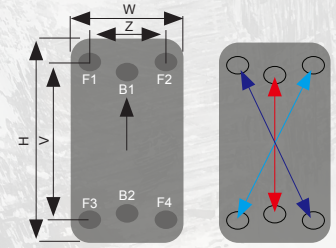
* **Diagonal Flow**

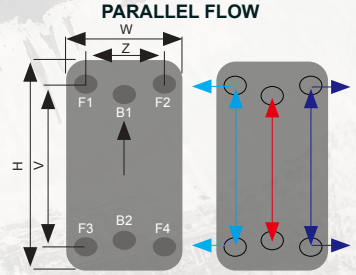


DIAGONAL FLOW



HTG110/210

PARALLEL FLOW



HTGK215D/415D

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