



HTGN & HTGTS REFRIGERATION

NICKEL & ALL-STAINLESS-STEEL BRAZED PLATE HEAT EXCHANGERS

NICKEL

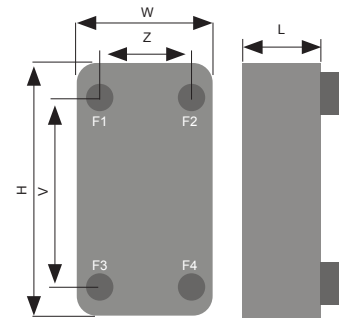
The HTGN series are copper-free heat exchangers brazed with a custom nickel alloy. It is available with 316L SS plates or with a higher grade of stainless for harsh environments. The HTGN Series should be applied for Evaporators and Condensers using ammonia, de-ionized water, or any fluid not compatible to copper. Performance characteristics match those of HTG copper brazed models. The HTGN series has a working pressure rating of 150 psi.

ALL-STAINLESS-STEEL

The HTGTS series is manufactured using 100% stainless steel. It is available with 316L SS plates and a proprietary stainless-steel alloy allowing for higher working pressures. The HTGTS Series is suitable for use with refrigerants in two-phase applications as Evaporators and Condensers. Performance characteristics match those of HTG copper brazed models. The HTGTS series has a working pressure rating of 435 psi – 653 psi.

Typical Applications:

DI Water Chillers, Induction Heating/Heat Treat, High-Purity Chilled Water, Semi-Conductor Manufacturing, Data Server Cooling, Lasers and Electronics, MRI and Imaging Equipment, NH3- Ammonia Refrigeration, Aggressive Chemicals and Solvents, High Purity Fluids, Potable Water, and any application where all Stainless Steel Construction is required.



NICKEL

HTG Model	Height (H)	Width (W)	Vertical (V)	Horiz (Z)	Depth (L)	Max Plates	Surface Area	Max Flow	Max Connection
HTGN014C	8.19	2.87	6.77	1.57	0.276 + 0.0882n	60	0.151	18 GPM	3/4"
HTGN023A	12.4	2.87	10.94	1.57	0.276 + 0.0882n	60	0.248	18 GPM	3/4"
HTGN027A	11.26	4.57	9.21	2.48	0.276 + 0.0495n	120	0.291	80 GPM	1"
HTGN032AH*	11.26	4.57	9.57	2.83	0.276 + 0.0945n	120	0.344	80 GPM	1-1/4"
HTGN035A	12.13	4.92	9.84	2.76	0.276 + 0.0945n	120	0.377	80 GPM	1-1/4"
HTGN052A	20.59	4.21	18.35	1.97	0.591 + 0.0945n	120	0.56	80 GPM	1-1/4"
HTGN095A	24.25	7.52	20.43	3.62	0.276 + 0.0945n	120	1.023	155 GPM	2"
HTGN105A	21.06	9.96	16.93	5.83	0.591 + 0.0984n	120	1.13	200 GPM	3"
HTGN115A	21.06	9.96	17.95	6.85	0.591 + 0.0945n	120	1.238	200 GPM	2-1/2"

* Note: The HTGN032AH has a working pressure rating of 435 psi.
N = number of plates

ALL-STAINLESS-STEEL

HTG Model	Height (H)	Width (W)	Vertical (V)	Horiz (Z)	Depth (L)	Max Plates	Surface Area	Max Flow	Max Connection
HTGTS2	9.33	3.54	7.4	2.76	0.510 + 0.0930n	50	0.193	18 GPM	1"
HTGTS22	12.91	3.54	10.94	1.61	0.510 + 0.0930n	50	0.274	18 GPM	1"
HTGTS24	18.03	3.54	16.06	1.61	0.510 + 0.0930n	50	0.366	18 GPM	1"
HTGTS4	6.81	4.92	4.72	2.76	0.510 + 0.0930n	50	0.193	80 GPM	1-1/4"
HTGTS42	13.15	4.92	10.94	2.76	0.510 + 0.0930n	100	0.377	80 GPM	1-1/4"
HTGTS43	20.94	4.92	18.7	2.76	0.510 + 0.0930n	100	0.634	80 GPM	1-1/4"
HTGTS6	20.94	10.67	17.48	7.24	0.530 + 0.0930n	150	1.453	200 GPM	2-1/2"
HTGTS61	20.94	10.67	17.28	7.05	0.530 + 0.0930n	150	1.4	250 GPM	3"
HTGTS62	31.5	10.67	27.17	6.34	0.530 + 0.0930n	150	2.15	300 GPM	3"

* N = number of plates



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