



COMMITTED TO COLD



our areas
of expertise



BREWERIES



WINERIES



DISTILLERY



AGRICULTURE



MEDICAL



INDUSTRIAL



QUALITY

CHILLERS

WITH INNOVATIVE SOLUTIONS AND DEDICATED SERVICE

There's a world of difference between hot and lukewarm, cool and cold. When specific degrees of temperature are critical to a production process, your best solutions for precision come from G & D Chillers.

When a fluid needs to be quickly chilled or heated to an exact temperature, we never settle for approximations. With over 50 years of collective experience in the refrigeration industry, our expertise goes far beyond the design and implementation of cutting-edge chilling systems. We seek ice-cold perfection and fiery exactitude.

We are as committed to the cold as we are to our clients. We strive to build long lasting partnerships by offering on-going technical support from our team of engineers, all backed by our satisfaction guarantee.

G & D Chillers offers a wide-range of options from small portable chillers and heaters, to large custom chilling units. All of our units are ETL approved in both the United States and Canada. Most of our standard package chiller designs have been tested for over 20 years in the field.

Many of the leading wineries, breweries, distilleries, medical and industrial manufacturers here in the USA and around the world, turn to us for intelligent temperature control solutions.

contact us today

We engineer the finest quality chilling systems in the USA. **1.800.555.0973** **GDCHILLERS.COM**

SINGLE STAGE

Single stage air-cooled chillers are built with a compact design that is simple to operate and maintain. All chillers are built on a rugged and fully welded, powder coated steel platform, then enclosed in non-corrosive housings to provide years of dependable operation. All are ETL listed, factory charged and run tested.



NANO

Originally launched as the perfect solution for the nano brewery or boutique winery in need of glycol temperature control, G & D's Nano Chill has been utilized in a wide variety of process cooling applications. Like all of our units, the Nano Chill is designed with care and built with the durable components of a powder coated steel frame and stainless steel paneling. Even with a 1.5 horsepower unit and an oversized 12-gallon reservoir, the Nano Chill is completely mobile with its heavy duty, locking casters.



MICRO

Our Micro Chill Series is available in 3HP, 5HP and 7HP to cover the range of needs in smaller process cooling applications. With an oversized stainless steel reservoir and heavy duty process pump with built-in fluid dynamic bypass valve, these units provide precise cooling with the same quality components as their larger siblings, but in a more compact design with an equally compact price.



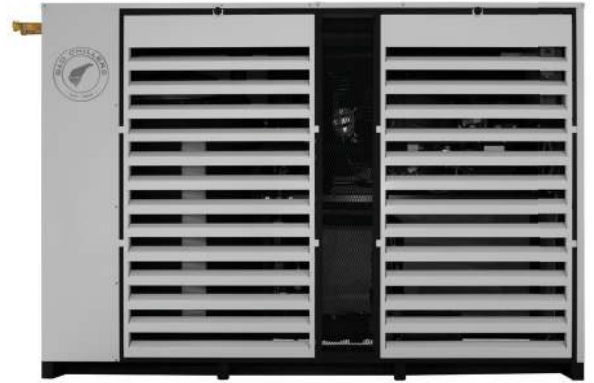
MULTI STAGE

The innovative Multi Stage Chiller package provides all of the efficiency that comes with chillers outfitted with multiple compressors. Capacities ranging from 10HP to 54HP are sure to meet even the most chilling of demands. Every circuit is wired separately, giving each compressor equal run time over the life of the chiller. These are designed to run on an as needed basis, which is ideal for applications with varying load requirements. Due to the multi-stage refrigeration circuit, the redundancy ensures that your process and production will never stop.



MODULAR SERIES

G & D's Modular Series Chillers are available in capacities ranging from 10HP to 54HP and are equipped with all of the features of our standard package chiller design. The difference is that these units feature an oversized process pump and massive oversized glycol reservoirs with auxiliary ports for future chiller modules. As you phase in expansion these units provide you with the opportunity to phase in chiller modules, increasing chilling capacity as you grow. G & D Chillers is leading the way providing you with the solution to cost effective growth with glycol chilling.



LARGE CAPACITY

Ideal for high volume operations, each chiller contains multiple semi-hermetic ECOLINE series compressors made by Bitzer. These are partnered with oversized air-cooled condensers built to maximize efficiency and capacity. These chillers are the complete package and turnkey units with over-sized stainless steel reservoirs, process pumps, a chiller pump, compressors, and condenser. G & D Chillers will help engineer the optimum solution right down to the placement and commissioning of your unit at your facility.



PORTABLE

The industry standard when it comes to portable chilling and heating is G & D's Fire & Ice portable heating and chilling unit. The Fire & Ice's roots stem from its early days of navigating busy wineries during harvest. Its functionality continues to expand whether it's in maintaining temperature control in a stainless steel varnish tank or heating apple juice up to yeast pitching temps.



The Fire & Ice is your solution when portability is a requirement. It comes standard with a 3 HP compressor, powder coated steel frame, 316 stainless steel skin, the ability to service 5 vessels at a time, and heavy-duty rubber casters for easy portability. Can't stand the heat? Don't worry; this unit comes in a chill only model, as well, featuring the same design and specifications.



HEATERS

G & D Chillers offers a variety of self-contained Glycol Heaters. We will size your heating demand and match your requirement to one of our package heaters. Offered as either a Portable or Stationary package each unit is built with the same high quality components and simple design as our chillers.



Portable units are built on the same platform our popular Fire & Ice unit uses and incorporates a low-watt density Incoloy heating element built specifically for heating glycol. The perfect solution for large heating demands is our Stationary systems. These units are available in either natural gas, propane or electric and utilize a stainless steel glycol reservoir, heavy-duty process pump and outdoor rated housing.



CUSTOMIZATION

Whatever your requirement might be we can build it! If you are limited on footprint availability, let us design you a practical yet effective solution where space is limited. Do you need to chill JP-8 jet fuel on a tarmac in Indonesia? We can do that too! Our team of engineers is ready to discuss and design the solution for your application, whatever it may be.

PIPING ELEMENTS & DESIGN

Along with every chiller purchased, G & D offers full design of your glycol piping system and a free consultation for your project. We will work with you or local contractors in your area to be sure that the glycol loop is sized and installed correctly. Call today to discuss our pre-insulated piping options and to take advantage of our many years of expertise in this industry to provide you with the best possible outcome guided by people you can trust.

CALL US DIRECTLY 800.555.0973 OR VISIT US ONLINE AT GDCHILLERS.COM



100% DEDICATED CUSTOMER SERVICE

customer remarks



"G & D has been instrumental in the design and implementation of our constantly changing chiller system. Not only are their products top quality, but they are always available to answer any questions we might have, day or night. We would not have been able to build our winery without G & D."

- **JEFF BRINKMAN**, *RHYS Vineyards*



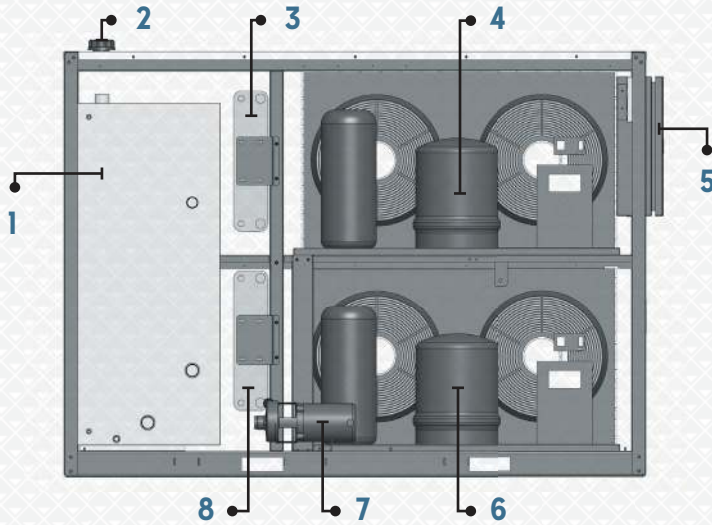
"G & D Chillers has been instrumental in keeping our production going. Their commitment to service has proved to be invaluable."

- **PAUL COOK**, *Ninkasi Brewing Company*

"They've adapted with us, helping us increase our chilling system as we've grown into a full size production facility."

- **RICHARD G. NORNGROVE**, *Bear Republic*

CHILLER LAYOUT



1. GLYCOL RESERVOIR
2. GLYCOL FILL
3. HEAT EXCHANGE
4. COMPRESSOR A
5. CONTROL PANEL
6. COMPRESSOR B
7. PUMP
8. HEAT EXCHANGE



RELATED PRODUCTS



PRE-INSULATED SCHEDULE 80 PVC PIPE

- The most economical solution to your pre-insulated glycol piping needs
- Polyurethane foam insulation
- Rigid outer shell



GF COOLFIT PIPING SYSTEM

- ABS carrier pipe engineered specifically for chilled water/glycol applications
- Polyurethane foam insulation
- Pre-insulated joints and rigid outer shell



GLYCOL CIRCUITED FAN COILS

- Industrial design
- Used for walk-in/cold room applications
- Optional stainless steel housing and Electrofin coated coils



ASCO RED HAT VALVES

- Industry standard in the winery and brewery industry for over 20 years
- Fully brass bodied for years of non-corrosive use
- Zero PSI pressure differential



BELIMO VALVES

- All stainless steel valve body
- Industry leader in actuating valves
- Spring return slow closing valve to avoid water hammering
- Positive shut off



DIGITAL TEMPERATURE CONTROLLERS

- Easy to read digital display
- Simple to use arrow up/down control
- Available in multiple control voltages
- Optional networking capabilities



REFRACTOMETER

- Light & compact
- Measures glycol to water percentage quickly and accurately



INHIBITED PROPYLENE GLYCOL

- Available in containers of 5 or 55 gallons
- 97% concentrated with rust inhibitors
- Non-toxic food grade



HOSE & BRASS QUICK DISCONNECTS

- Heavy duty braided rubber hose
- Non-corrosive brass male & female quick disconnects

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GDCHILLERS.COM



STANDARD CHILLER SPECIFICATIONS

ELECTRICAL DATA

BTUH

MODEL	DIMENSIONS (WxLxH)	TANK VOLUME (gallons)	PROCESS PUMP (HP)	GPM @ 25 PSI	OPERATING WEIGHT (approx lbs)	CONN-ECTION SIZE	208-240 / 1 / 60			208-240 / 3 / 60			460 / 3 / 60			LEAVING FLUID TEMP 40°F		
							RLA	MCA	MOC	RLA	MCA	MOC	RLA	MCA	MOC	20°F	30°F	40°F
GD-1.5H	30" x 30" x 27"	12	0.5	20	250	1"	16	20	40	13	20	40	8	15	30	8,460	10,200	12,400
GD-3H	32" x 48" x 35"	35	0.75	25	590	1"	27	30	50	17	20	40	8	15	30	17,213	21,436	26,098
GD-5H	45" x 60" x 48"	60	1.5	40	1450	1"	48	56	90	34	39	60	14	17	35	32,717	40,850	49,965
GD-7H	45" x 60" x 48"	60	1.5	40	1450	1"				40	46	120	18	25	51	41,395	51,046	61,824
GD-10H	48" x 72" x 56"	110	2	65	2320	1.5"				50	60	154	25	35	76	64,218	79,372	96,495
GD-13.5H	48" x 72" x 56"	110	2	65	2370	1.5"				59	70	193	30	40	100	84,716	104,931	128,455
GD-5x5H ¹	48" x 84" x 61.5"	115	1.5	40	2350	1.5"	86	95	127	57	63	85	26	29	40	65,434	81,700	99,930
GD-7x7H ¹	48" x 84" x 61.5"	115	2	65	2468	1.5"				64	75	102	33	39	55	82,790	102,092	123,648
GD-20H ¹	48" x 120" x 78"	230	5	150	3910	2"				102	112	150	52	57	75	128,436	158,744	192,990
GD-27H ¹	57" x 133" x 81"	500	5	150	3960	2"				130	140	180	63	70	92	155,822	190,164	228,386
GD-40H ¹	60" x 180" x 81"	500	5	150	8000	3"				180	190	235	90	100	125	233,733	285,246	342,579
GD-54H ¹	60" x 204" x 81"	500	7.5	230	9000	3"				236	275	292	120	150	175	311,644	380,328	456,772
GD-80H-LC ⁽¹⁰⁾	90" x 166" x 122"	500	7.5	230	9800	3"				356	400	500	177	200	250	542,000	668,000	824,000
GD-100H-LC ⁽¹⁰⁾	90" x 166" x 122"	500	7.5	230	10200	3"				365	400	500	182	200	250	640,000	798,000	1,002,000
GD-150-LC ⁽¹⁰⁾	90" x 220" x 122"	500	10	305	11500	4"							260	300	350	939,000	1,146,000	1,380,000

STANDARD HEATER SPECIFICATIONS

ELECTRICAL DATA

BTUH

MODEL	DIMENSIONS (WxLxH)	TANK VOLUME (gallons)	PROCESS PUMP (HP)	GPM @ 25 PSI	OPERATING WEIGHT (approx lbs)	CONN-ECTION SIZE	MAX OPERATING TEMP (F°)	208-240 / 1 / 60			208-240 / 3 / 60			460 / 3 / 60			BTUH
								RLA	MCA	MOC	RLA	MCA	MOC	RLA	MCA	MOC	
GD-6	32" x 48" x 38"	35	0.75	25	590	.75" OD x 4	125	28	30	70	17	20	60	10	20	40	20,500
GD-10.5	32" x 48" x 38"	35	0.75	25	590	.75" OD x 4	125				28	30	75	14	20	55	35,800
GD-12.5	32" x 48" x 38"	35	0.75	25	590	.75" OD x 4	125				33	40	80	17	20	60	46,300
GD-21	32" x 48" x 38"	35	1.5	40	590	.75" OD x 4	125							27	30	75	71,600
GD-25	32" x 48" x 38"	35	1.5	40	590	.75" OD x 4	125							34	40	80	87,200
GD-200K ²	48" x 72" x 56"	110	3	85	1500	1.5"	150				13	20	58	8	15	35	200,000
GD-400K ²	48" x 72" x 56"	110	3	85	1500	1.5"	150				13	20	58	8	15	35	400,000

STANDARD FIRE AND ICE SPECIFICATIONS

ELECTRICAL DATA

BTUH

MODEL	DIMENSIONS (WxLxH)	TANK VOLUME (gallons)	PROCESS PUMP (HP)	GPM @ 25 PSI	OPERATING WEIGHT (approx lbs)	CONN-ECTION SIZE	208-240 / 1 / 60			208-240 / 3 / 60			460 / 3 / 60			HEATING	COOLING @ 30°F
							RLA	MCA	MOC	RLA	MCA	MOC	RLA	MCA	MOC		
CH-3	32" x 48" x 38"	35	0.75	25	590	.75" OD x 4	27	30	50	17	20	40	8	15	30	N/A	21,436
CH-6	32" x 48" x 38"	35	0.75	25	590	.75" OD x 4	28	30	50	17	20	60	10	20	40	20,500	21,436
CH-10.5	32" x 48" x 38"	35	0.75	25	590	.75" OD x 4				28	30	75	14	20	55	35,800	21,436
CH-12.5	32" x 48" x 38"	35	0.75	25	590	.75" OD x 4				33	40	80	17	20	60	46,300	21,436
CH-21	32" x 48" x 38"	35	1.5	40	590	.75" OD x 4							27	30	75	71,600	21,436
CH-25	32" x 48" x 38"	35	1.5	40	590	.75" OD x 4							32	40	80	87,200	21,436

¹ Multiple compressors ² Stationary gas heater, available in LP or NG ³ Available with remote air-cooled or water cooled condenser All capacities at 90°F Ambient