



penguin
SMART REFRIGERATION SOLUTIONS



**CUSTOM REFRIGERATION SOLUTIONS FOR
SUPERYACHTS AND BLUE WATER SAILBOATS**

ON THE OCEAN, RELIABLE REFRIGERATION IS ESSENTIAL. WHETHER IT'S GALLEY AND COLD STORAGE, OR WETBAR AND BEDROOM REFRIGERATION, YOU NEED TO KNOW IT'S COMPLETELY DEPENDABLE.

HOW CAN YOU ENSURE TOTAL RELIABILITY? PUT SIMPLY, BY ENSURING QUALITY AT EVERY TURN. THAT MEANS QUALITY IN DESIGN, MATERIALS, MANUFACTURING, INSTALLATION, AND OF COURSE, A QUALITY SERVICE TO UNDERPIN EVERYTHING.

PENGUIN UNDERSTANDS THE UNIQUE CHALLENGES AND ISSUES THAT THE MARINE ENVIRONMENT PRESENTS AND OUR PROVEN TRACK RECORD SHOWS THIS. THAT'S WHY LEADING NAMES SUCH AS **SUNSEEKER**, **PALMER JOHNSON**, **OYSTER** AND **DISCOVERY YACHTS** COME TO US TO PROVIDE THEIR SPECIALIST ONBOARD REFRIGERATION.

THEY ALSO VALUE THE COMPREHENSIVE SERVICE WE PROVIDE - ADVICE ON DESIGN AND SPECIFICATION, GUIDANCE ON BUILD AND INSTALLATION, AND ATTENTIVE AFTERSALES SERVICE AND GLOBAL SUPPORT. YOU COULD SAY THEY TAKE US FOR GRANTED - WHICH IS EXACTLY WHAT WE WANT YOU TO DO.

"With a demand for high quality bespoke refrigeration solutions, Penguin have always delivered. Very flexible in their approach, they work consistently to ensure the product meets the client's expectation, from design and installation through to operation. Product reliability is paramount and Penguin Marine Refrigeration have continued to achieve outstanding service both on-site and more importantly with our yachts in service worldwide".

MARK CHINERY, SUPER YACHT TECHNICAL MANAGER, SUNSEEKER INTERNATIONAL LTD





LARGE GALLEY

PENGUIN CUSTOM BUILD FRIDGE AND FREEZER SOLUTIONS TO FIT ANY SIZE OR SPACE, COMBINING THE FUNCTIONALITY OF COMMERCIAL REFRIGERATION WITH THE QUALITY AND STYLING DEMANDED FOR THE FINEST SUPER YACHT INTERIORS.

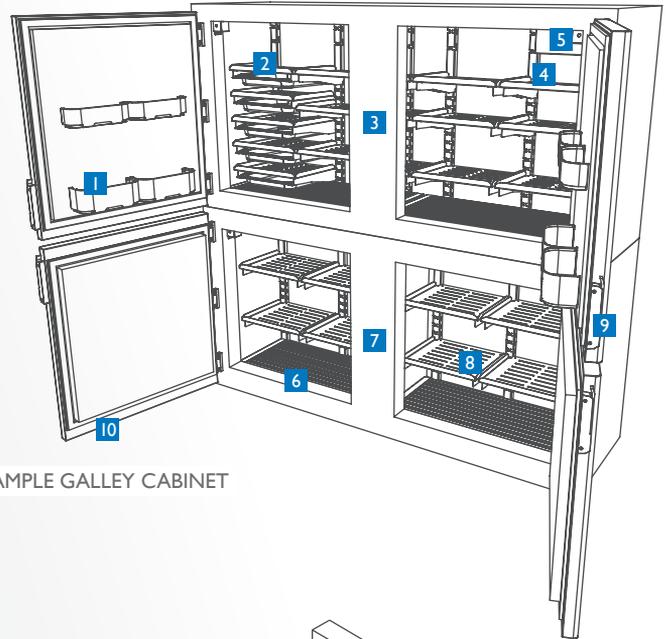
PENGUIN'S HIGH CAPACITY CUSTOM FRIDGES AND FREEZERS ARE INDIVIDUALLY DESIGNED AND SPECIFIED TO OFFER THE MAXIMUM VOLUME OF STORAGE IN THE SPACE AVAILABLE. CHILLED BY MULTI-COMPRESSOR SYSTEMS, WATER OR AIR COOLED, THEY ALLOW FULL BACK UP AND MAXIMUM EFFICIENCY IN ENERGY CONSUMPTION.



HIGHEST SPECIFICATION INSIDE AND OUT

Built to meet the latest DEFRA and SOLAS standards expected in commercial kitchens, all Penguin cabinets have polished stainless interiors which are stain resistant, do not absorb odours, and are significantly more durable and easier to clean than equivalent production appliances.

- | | |
|---|---|
| 1 Stainless steel bottle holders on fridge doors | 9 Positive closing slam latches |
| 2 Optional gastronorm shelving | 10 Heated door seals |
| 3 Two fridge compartments - with separate temperature controls | ■ Door retaining stays (not shown) |
| 4 Air circulation fans | ■ Optional internal drawers or wine shelves (not shown) |
| 5 Internal LED lighting | |
| 6 Drain sumps with stainless steel grill cover | EXTERIOR STYLING OPTIONS INCLUDE: |
| 7 Two freezer compartments - with separate temperature controls | ■ Hidden latches |
| 8 Height adjustable shelves with fiddle upstands | ■ Square or rolled edge doors |
| | ■ Glass fronted doors |
| | ■ Painted finishes |

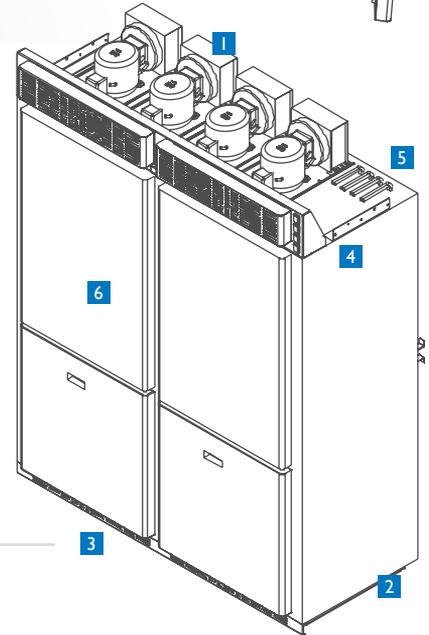


EXAMPLE GALLEY CABINET

AIR COOLED

For ease of fit and simplicity of installation, air cooled systems are ideal. Penguin air cooled units have built in ventilation channels and grills, supplied with unique low profile compressor and condenser systems that require minimal height to install and a single power supply to operate.

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|------------------------------|---|
| 1 Air cooled condensing sets | 4 Independent compressor controls |
| 2 Lock in fixing brackets | 5 Single 230v 50/60Hz power supply with individual circuit breakers |
| 3 Integrated ventilation | 6 Independent temperature zones (fridge or freezer) |

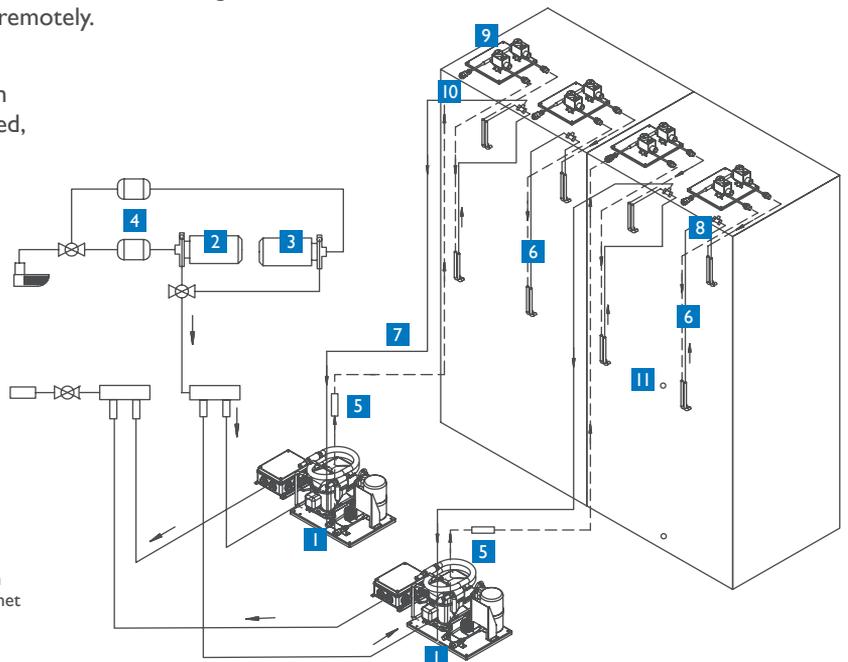


WATER COOLED

Water cooled compressors will give greater efficiency in operation than air cooled systems and also allow significantly more volume of refrigeration in the galley as the compressors are mounted remotely.

Both options can be supplied with varying levels of back-up and redundancy depending on the boat's requirements and once commissioned, all our custom refrigeration is covered by a minimum one year global warranty.

- | | |
|--------------------------------------|--|
| 1 Condensing units | 7 Pre-charged and insulated pipe |
| 2 Pump 1 | 8 Back-up circuits |
| 3 Pump 2 - back-up | 9 Solenoid valve |
| 4 Sea water strainers | 10 Pipe connections |
| 5 Dryers with self-sealing couplings | 11 Drain connections on the back of each cabinet |
| 6 Optional back-up pipes | |



GALLEY UNDER COUNTER AND BLUE WATER

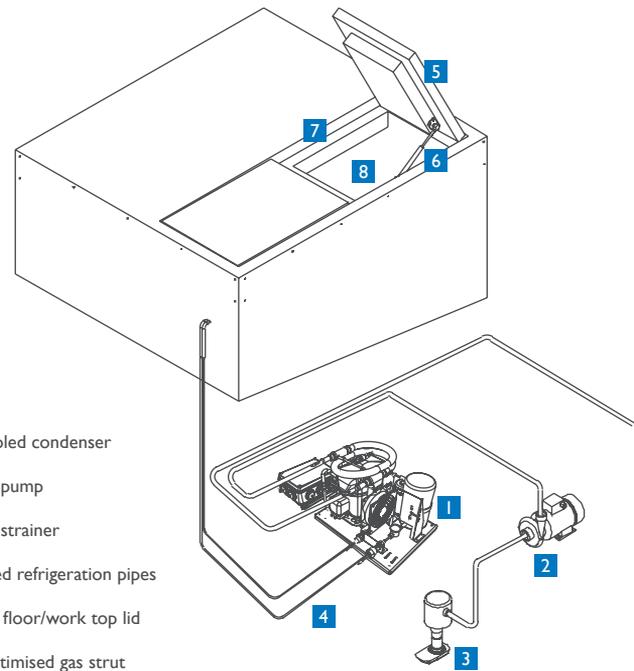
LUXURY YACHTS REQUIRE EFFICIENT AND RELIABLE LARGE CAPACITY FRIDGES AND FREEZERS FOR DISTANCE CRUISING, YET AS WITH ALL YACHTS AND SUPER YACHTS THEY MUST ALSO BE STYLISH AND ELEGANT.

PENGUIN CUSTOM REFRIGERATION IS DESIGNED TO OPTIMISE THE SPACE AVAILABLE AND PROVIDE THE BEST SOLUTION POSSIBLE. DESIGNS FOLLOW THE CONTOUR OF THE YACHT'S HULL WHERE REQUIRED, ALWAYS COMBINING ELEGANCE OF OUR DESIGN WITH GREAT FUNCTIONALITY AND EXCELLENT POWER EFFICIENCY.



UNDER COUNTER & UNDER FLOOR SOLUTIONS

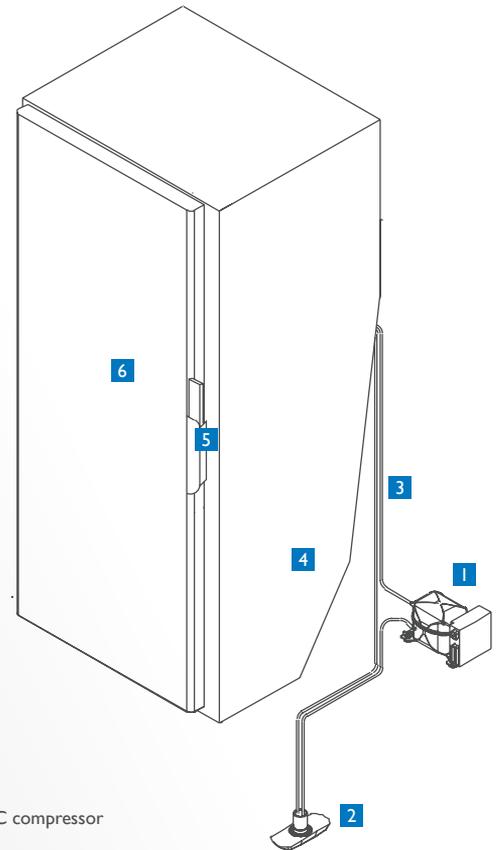
Top opening fridge or freezer cabinets allow you to gain additional capacity from under the cabin floor. They provide an ideal solution for fridges and freezers on large yachts as they can be easily accessed whilst underway. Our top opening solutions are powered by either AC or DC compressors, air or water cooled depending on the yacht's requirements.



- 1 Water cooled condenser
- 2 Sea water pump
- 3 Sea water strainer
- 4 Pre-charged refrigeration pipes
- 5 Integrated floor/work top lid
- 6 Weight optimised gas strut
- 7 Heated door seals
- 8 Custom baskets and storage solutions

FRIDGES AND FREEZERS FOR BLUE WATER CRUISING

Our fridges and freezers for blue water sailing yachts are designed for long distance cruising. High capacity, designed to maximise all available space they combine a stylish and elegant appearance with excellent power efficiency in operation. Penguin solutions for blue water cruising yachts are powered by 12/24 volt DC compressors (with optional mains power) using air cooled, water cooled or keel cooled condensers.



- 1 Keel cooled DC compressor
- 2 Keel cooled condenser
- 3 Pre-charged refrigerant pipe (up to 8.8m length)
- 4 Hull shaped stainless steel cabinet
- 5 Compression slam latch
- 6 See page 5 for internal options

WET BAR FRIDGES, FREEZERS AND ICE MAKERS



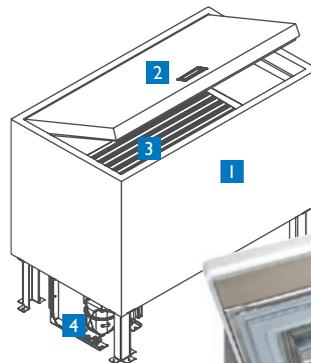
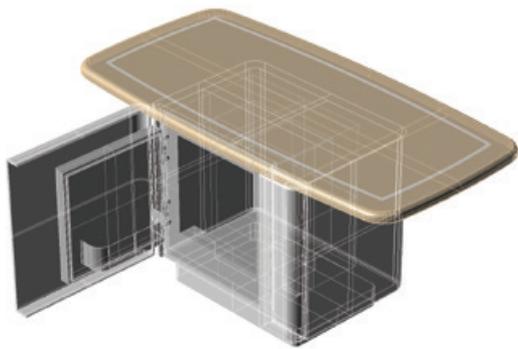
© Oyster Yachts

A yacht's outside space is a key entertainment area requiring discrete yet efficient fridges, wine coolers and ice makers to keep the owners and their guests refreshed and relaxed.

Penguin design and build top or front loading custom wet bar fridges or freezers, to any size, allowing installation within existing deck structure or mouldings, ensuring the aesthetic lines of the yacht's superstructure are maintained.

DESIGNED AND SPECIFIED FOR EXTERNAL USE

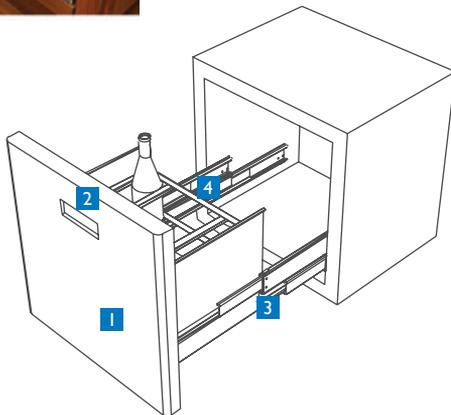
Penguin supplies an extensive range of fridges, freezer cabinets and ice makers designed specifically for exterior use. Unlike standard production appliances Penguin fridge and freezer cabinets are manufactured from 316 stainless steel, designed and built to withstand the harsh elements of the marine environment. Having the ability to remote mount compressors also ensures vulnerable components can be located safely below deck where necessary.



- 1 Stainless steel inside and out
- 2 Integrated floor/worktop lid
- 3 Internal grill shelf system
- 4 Remote air cooled condensing unit



- 1 Stainless steel inside and out
- 2 Positive latch closure
- 3 Heavy duty stainless runners
- 4 Internal bottle dividers and storage solutions



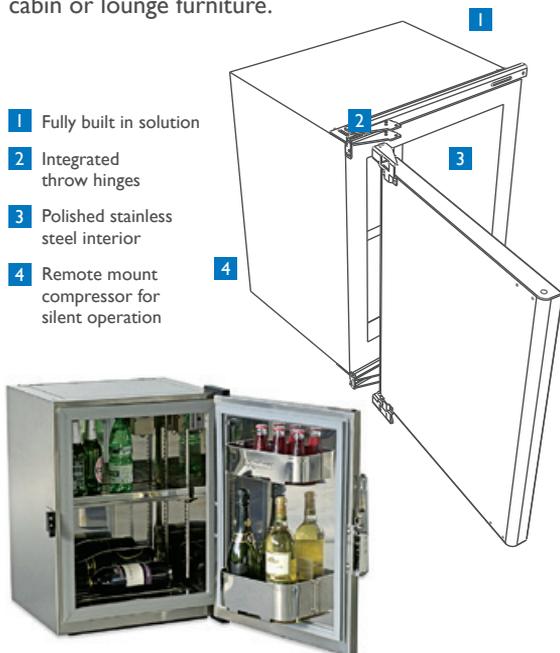
STATEROOM AND VIP FRIDGES



Penguin produces beautiful and silent minibar fridges for owners' staterooms and VIP suites, to ensure they can enjoy drinks and refreshments at the perfect temperature from the comfort and privacy of their own cabin.

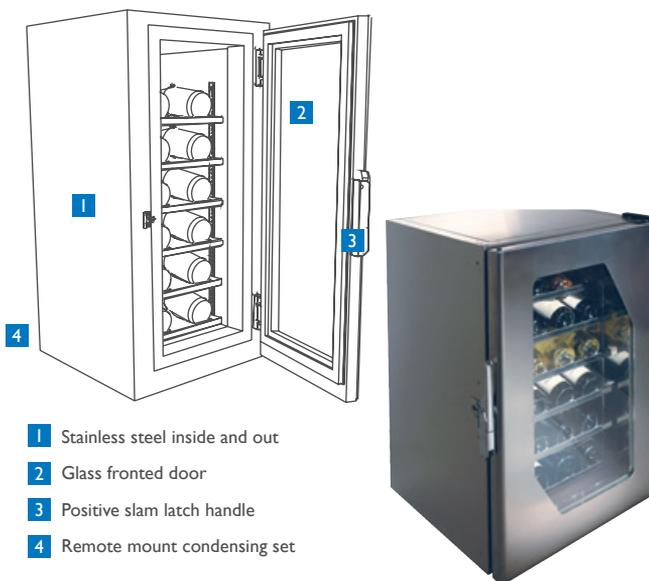
FULLY INTEGRATED MINIBARS

Penguin custom design mini drinks fridges with polished stainless interiors which are fully integrated within the cabin or lounge furniture.



GLASS FRONTED WINE CELLARS

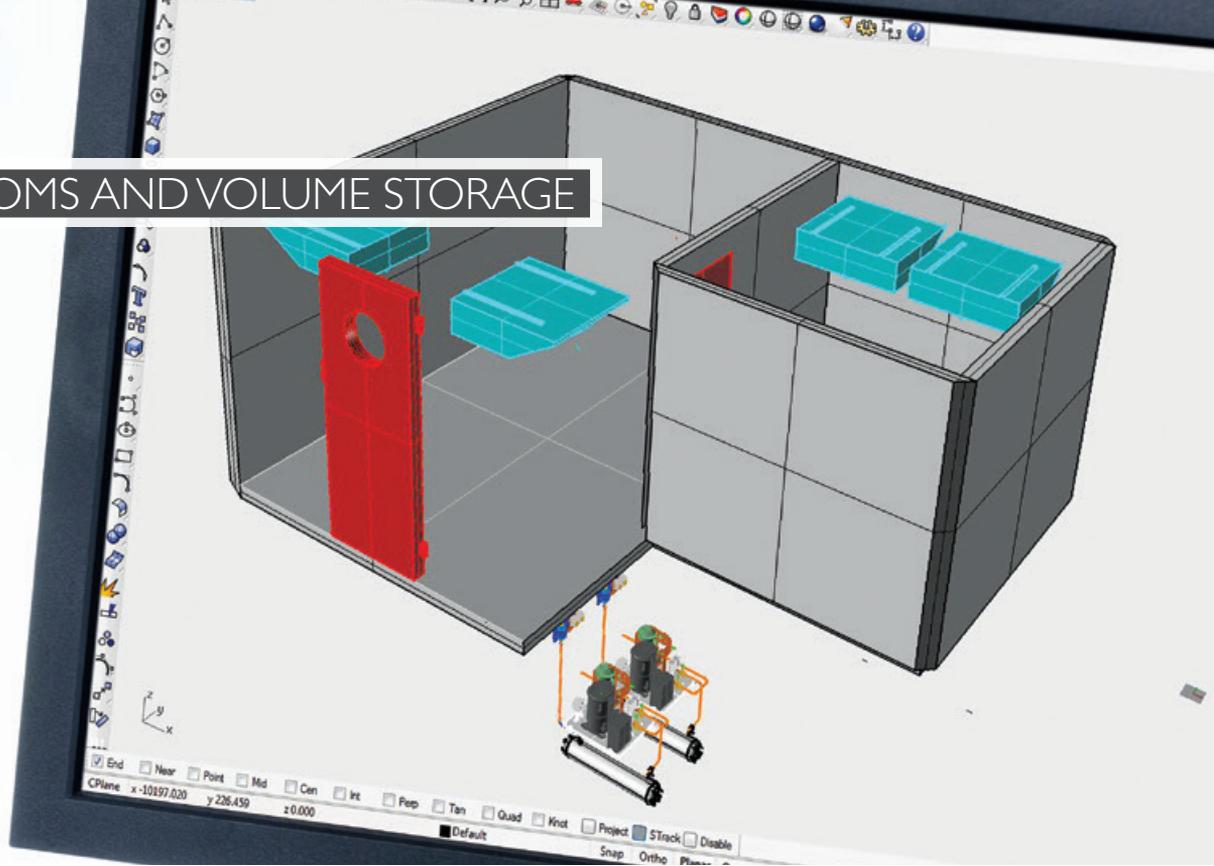
Penguin stainless steel wine cellars are perfect for interior bar and drinks areas. Elegant and stylish, they keep the finest wines at the perfect temperature. Penguin can also supply stainless drinks fridges to be integrated into the furniture or with a brushed stainless or painted finish as required.



SILENT MINIBARS

Penguin's standard range of minibars offer both the traditional silent absorption system as well as Vitrifigo's new Next minibars with silent compressor operation for greater efficiency and temperature control.

COLD ROOMS AND VOLUME STORAGE



Correct preservation and storage of the finest ingredients is essential when entertaining on the scale and quality demanded by Super yacht owners and their guests. Penguin's cold rooms (usually on the lower decks) provide huge volumes of refrigerated storage allowing the yacht to be truly independent for extended periods of time without compromising the quality of catering on board.

MADE TO MEASURE

Our cold rooms can be custom built to fit any space and their interior shelf configuration designed to suit any food storage needs. Penguin cold rooms combine the benefits of commercial walk in cold storage with the quality finish and styling demanded on a Super yacht.

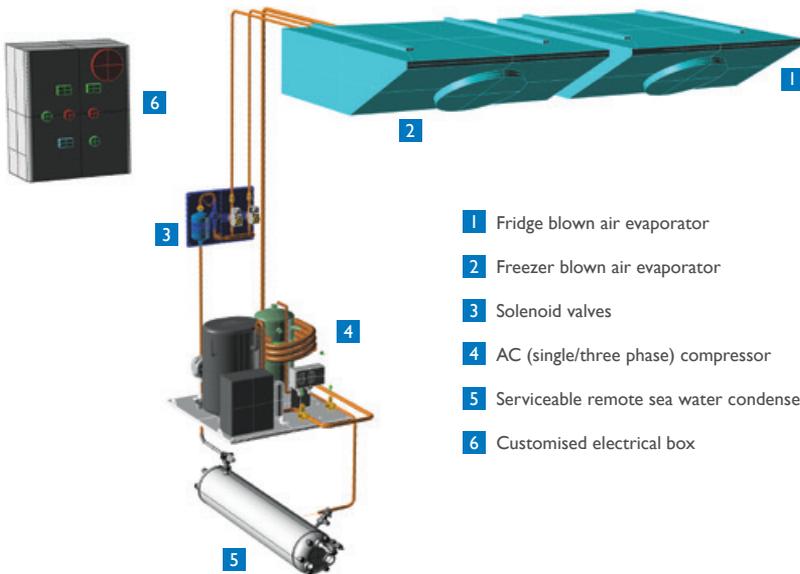
Powered by AC compressors with water cooled condensers, our cold rooms are highly efficient, maintaining accurate temperature control for the highest standards of food and wine preservation. Back up is also designed and built into the system from the outset ensuring reliability and serviceability, giving confidence and peace of mind even for yachts exploring the remotest parts of the world.



COLD ROOM COMPONENTS

For existing cold rooms that need updating or for shipyards looking to source efficient plant to refrigerate their own cold rooms, Penguin can help. We specify and supply all the components required to refrigerate any size of cold room, to chill, freeze or even blast freeze as required.

In addition we also supply cold room doors and other components to fit out or upgrade an existing cold room.



- 1 Fridge blown air evaporator
- 2 Freezer blown air evaporator
- 3 Solenoid valves
- 4 AC (single/three phase) compressor
- 5 Serviceable remote sea water condensers
- 6 Customised electrical box

TO DISCUSS YOUR REQUIREMENTS IN MORE
DETAIL PLEASE CONTACT ONE OF THE PENGUIN
REFRIGERATION TEAM, ALTERNATIVELY YOU CAN
VISIT THE WEBSITE FOR FURTHER INFORMATION
ON OUR PRODUCTS AND SERVICES.

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