



WFT PROCHILL[®] COOLING SYSTEMS AND HEAT PUMPS

- HIGHEST OPERATIONAL SAFETY
- HEAT PUMP FUNCTION
- LOW NOISE OPERATION





PROFESSIONAL COOLING SOLUTIONS

RECIRCULATING CHILLERS AND HEAT PUMPS

The ProChill® series is constituted of efficient water coolers and heat pumps, specially designed and developed to meet the requirements of the beverage industry. They are therefore ideal for application in wineries, breweries and distilleries. One of the peculiarities of the ProChill® series is the standard equipment of the fan speed control. This guarantees optimal performance in all operating conditions while developing the lowest noise level possible, which can be required during night operation.

All systems are equipped to cool down to -10°C and are suitable for outdoor installation. To facilitate maintenance, testing and monitoring, all our cooling systems are equipped with pressure gauge. In our ProChill® series you will be able to choose between models with power development going from 17 to 44kW. According to your needs, we can develop larger cooling units and heating systems, with the possibility to install external capacitors.

PROCHILL® RECIRCULATING CHILLERS

Recirculating Chillers	PCC 17	PC C 24	PCC 30	PCC 44
				
Cooling performance in KW*	17	24	30	44
Cooling agent	R410A	R410A	R410A	R410A
Power consumption KW * / maximum current A	4,7 / 13,3	7 / 18	9 / 24	13,1 / 34
Minimum water outlet temperature	-10°C	-10°C	-10°C	-10°C
Supply voltage	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50
Dimensions (LxWxH)	1245 x 419 x 1323	1508 x 469 x 1424	1508 x 469 x 1424	1910 x 950 x 1408
Automatic rotation speed control	✓	✓	✓	✓
High and low pressure gauge	✓	✓	✓	✓
Phase Monitoring relays	✓	✓	✓	✓
Connecting blocks with surge protection (remote on / off)	✓	✓	✓	✓
Differential pressure switch with flow monitor	✓	✓	✓	✓
Electronic expansion valve	✓	✓	✓	✓
Rubber antivibration mounts	✓	✓	✓	✓
Plug&Play arrangement	✓	✓	✓	✓
Optional integrated hydraulic module	✓	✓	✓	✓

* The indicated values refer to an ambient temperature of + 28 ° C and a water temperature of 12/7 ° C.
Non-binding values







LOW-CONSUMPTION HEATING

The ProChill® series is also available with heat pumps function. These versions are equipped with a 4-way switching valve and are therefore suitable to produce hot water in addition to the cooling function. Heat pumps require much less power compared to electric heating elements and are therefore more economical to operate.

The ProChill® heat pumps are designed to operate in the heating mode with air temperatures between 20 °C to -5 °C, and can develop water temperatures up to 45-50 °C.

PROCHILL® HEAT PUMPS

Recirculating Chillers with Heat Pump function	PCW 17	PCW 24	PCW 30	PCW 44
				
Cooling capacity in KW*	17	24	30	44
Heating capacity in KW*	18	25	31,5	46
Refrigerant	R410A	R410A	R410A	R410A
Power consumption KW * / maximum current A	4,7 / 13,3	7 / 18	9 / 24	13,7 / 34
Minimum water outlet temperature	-10°C	-10°C	-10°C	-10°C
Supply voltage	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50
Dimensions (LxWxH)	1245x419x1323	1508x469x1424	1508x469x1424	1870x850x1402
Automatic speed control	✓	✓	✓	✓
High and low pressure gauge	✓	✓	✓	✓
Phase Monitors	✓	✓	✓	✓
Pot free terminal block (remote on / off)	✓	✓	✓	✓
Differential pressure switch	✓	✓	✓	✓
Electronic expansion valve	✓	✓	✓	✓
Rubber antivibration mounts	✓	✓	✓	✓
Plug&Play	✓	✓	✓	✓
Optional integrated hydraulic module	✓	✓	✓	✓

* The indicated values refer to an ambient temperature of + 28 °C and a water temperature of 12/7 °C

** * The indicated values refer to an ambient temperature of + 10 °C and a water temperature of 30/35 °C

Non-binding values

PLUG&PLAY BUFFER STATIONS

We can deliver every installation with an integrated hydraulic station. To guarantee an efficient cooling distribution and to minimise the switching frequency of the compressors, we recommend you to choose for larger bufferstations than the usually preintegrated ones. Therefore we developed an hydraulic station where we took everything into consideration.

Our ProChill® hydraulic modules are equipped with a large stainless steel buffer tank, circulating pumps, level monitoring and an automatic bypass valve. They are available with a volume of 150L and 300L.

For external electrical requirements, we installed plug-in couplings both on our buffer station and cooling system, which allows easy docking. The ProChill® hydraulic modules are equipped with their own control unit, which, among other things, enables operation of the cooling / heating units through our VinPilot® Manager software.

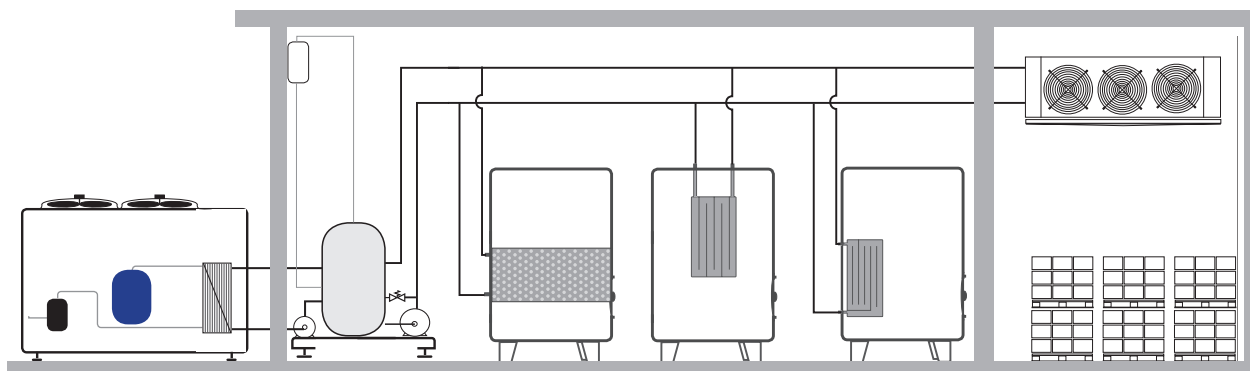
In addition to the ease of installation and the hydraulic structure optimized for tank cooling, the system can be easily upgraded in the event of the growth of your activity, without having to replace the buffer nor the pumps.



MAIN FEATURES

- Circulation pump for internal and external circuit
- Pumps with spherical valves and screw connections
- Pressure-dependent bypass
- Pressure gauge
- Control box fully wired
- Operation via VinPilot® software
- Tank level monitoring
- Optional electric heating
- Connections for additional cooling system
- Relay to enable the cooling system

SCHEMATIC VIEW WITH PLUG&PLAY BUFFER STATION



COOLING SYSTEMS FOR EVERY SITUATION

Through our wide range of activities, we have created a refrigeration department dedicated to assist you with the design and planning of your cooling system. We are able to offer you a wide performance range, from 17 to 1000 kW.



In order to offer you the latest technologies in modern cooling, we now offer the ProChill® series with new refrigerants, such as propane.

BUFFER AND PUMP STATIONS FOR LARGER TASKS



Our cooling systems and heat pumps are specially adapted to the requirements of wineries. Even when it comes to larger projects, our team with 20 years of experience in the business of temperature management will gladly assist you along the way.

We can also offer buffer and pump stations that are tailored to your needs. The cascade control of the hydraulic station ensures optimum and energy-saving control of the circulation pumps.

CUSTOM INSTALLATIONS

Aside from our cooling systems catalogue, we can also supply you with external capacitors systems. These are often the only solution especially in residential areas.

From consultation to the final assembly and commissioning of your system, WFT and its trusted partners have years of experience and are your competent contact for all of your refrigeration systems requirements.



EVERYTHING YOU NEED IN ONE PLACE

WFT, your competent and reliable partner for all matters related to temperature control, fermentation control and process management.

