



**Compact  
Cooling**

**P1000 series chiller**

## P1000 series / miniature chillers

The P1000 series is based on RPM regulated and 24VDC powered compressors.

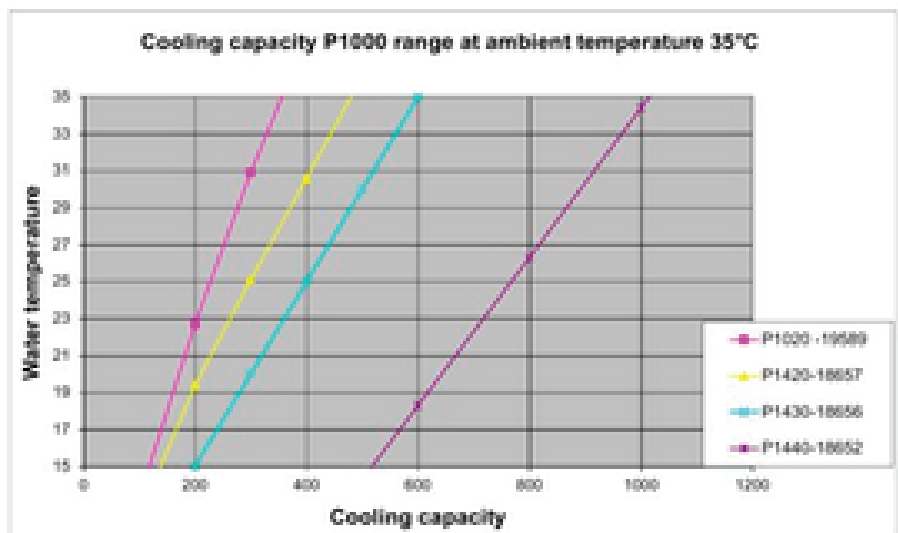
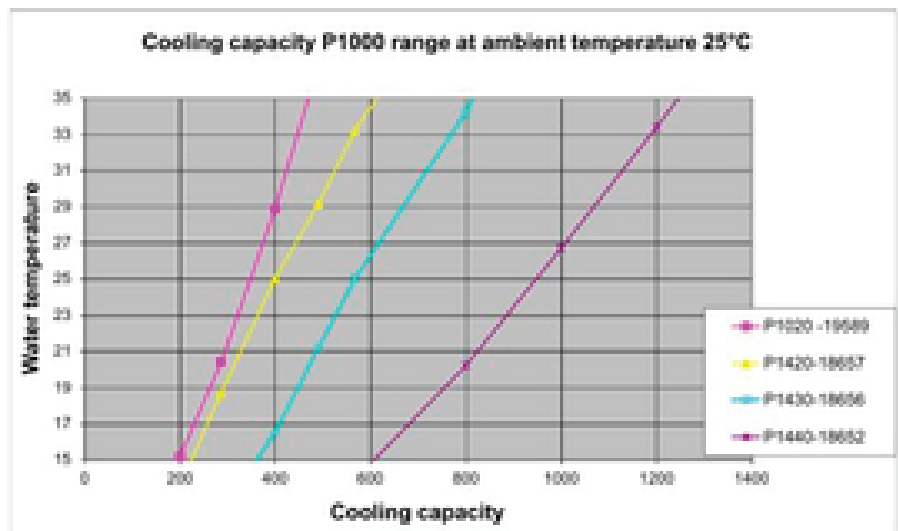
Stand-alone, 19" or OEM up to 1,5KW.

Main components of this series are the extraordinary small ASPEN® or MASTERFLUX® miniature compressors. The extreme compact format, which is available in different types, is characteristic for this series.

All electric components are powered by 24VDC and this allows the easy integration into customer-specific systems.

These miniature systems are for any application applicable.

- Compact, customer specified device description
- Smallest compressor based chiller
- RPM-regulated 24VDC electrical components
- Highly efficient
- Nearly maintenance free
- Available in various types
- Multi Voltage power supply
- Low noise
- Fast response
- Better than any TE chiller
- Best costs-performance rate



## P1000 Standard products

### Standard equipment

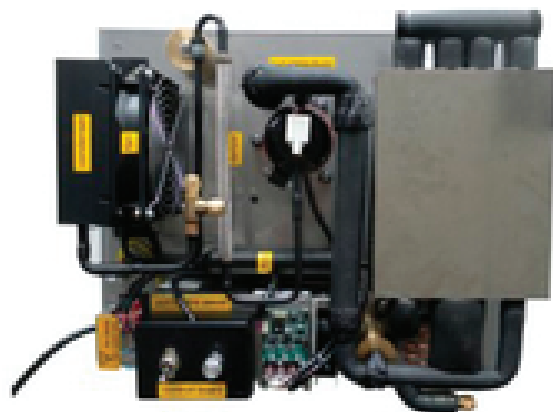
Temperature stability:	+/- 0.1K
Control range:	10°C - 40°C
Power supply:	100 - 230V +/-10%
	connections.: 10A couplers
RS 232:	SubD 9FM
Interlocks:	SubD 9M
Water:	Designed for de-ionized water

P 1000	Article number	Stand-alone	19"4HU/500mm	Pumping power	Cooling power at 25°C water & 25°C ambient temperature (ΔT 0°C)
P1020	19589	X		4 l/min @ 1 Bar	350 W
P1420	18657		X	4 l/min @ 1 Bar	400 W
P1430	18656		X	4 l/min @ 1 Bar	600 W
P1440	18652		X	4 l/min @ 1 Bar	950 W

# P1000



## Model P1230 Direct Cooling, OEM



### Miniature Direct Cooling, Customized (OEM)

Based on the 24V speed regulated Aspen compressors.  
The refrigerant is directly evaporated into a cold plate and temperature regulated.

This is a water free cooling system, compact and service friendly.

All the electric components are 24 Volt DC driven.  
The P1000 Direct Cooling can be adapted to any customers' layouts.

Photo shows a sample.

## Model P1020 Smallest stand-alone compressor based chiller



### Smallest Compressor Based Chiller

Stand-alone up to 350 Watts.  
Based on 24V speed driven compressors.  
All electric components 24V.  
Multi voltage power supply.

Size H/W/D (cm) 35/20/33

## Model P1420/1430/1440 19" Rack mounted chiller



### Smallest Compressor Based Chiller

19" rack up to 950 Watts.  
4HU.  
Based on 24V speed driven compressors.  
All electric components 24V.  
Multi voltage power supply.