



# THE WEDGE PRO CHILLER SYSTEMS



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## ABOUT THE SYSTEM

The Wedge Pro range from Urban Ice Tribe is designed to deliver professional-grade temperature control for your cold water therapy or hot tub setup, without the need for ice. With models ranging from 6kW to 23kW, these high-performance chillers offer rapid cooling, energy-efficient operation, and intuitive smart control, all in a compact, weatherproof design.

Operating between 2°C and 40°C, Wedge Pro units allow you to customise your plunge experience to suit your goals, whether that's deep cold for recovery or soothing warmth for relaxation. Built for both personal and commercial use, they're quiet, durable, and highly efficient, making them ideal for daily dips, gyms, wellness spaces, or full-scale spa setups.

Each unit comes with a built-in digital controller and app-based smart technology, giving you control from anywhere. No more ice runs. No more guesswork. Just set your temp, press go, and let the Wedge do the work.



# KEY BENEFITS

what sets the wedge apart?

powerful cooling and heating between 2–40°C

smart app control with Wi-Fi

whisper-quiet (under 30dB at 10m)

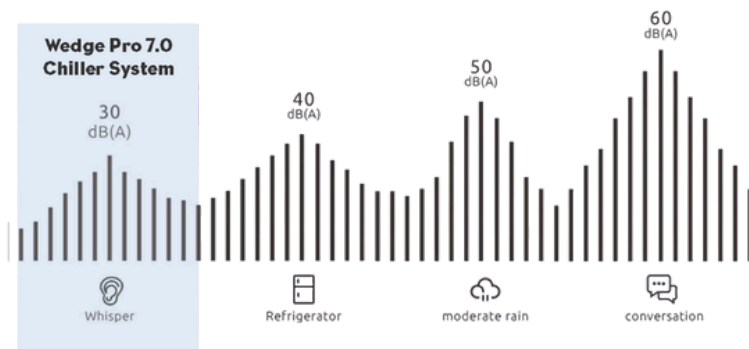
works year-round, down to -15°C ambient

titanium heat exchanger – chlorine safe

energy efficient with R32 refrigerant

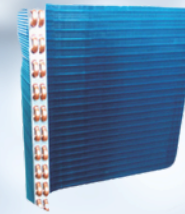
UK standard plug with RCD for safety

sleek, weather-resistant ABS casing



**Compressor**

Low pressure gas from evaporator is compressed to increase pressure and raise temperature, becoming very hot gas.



**Evaporator**

Cold liquid refrigerant absorbs heat from the ambient air as it evaporates and forms a low pressure gas, auto defrosting prevents the evaporator from freezing up.



**Heat Exchanger**

Heat from hot gas is transferred to your pool water as it passes through heat exchanger, condensation occurs as gas condenses and becomes warm liquid refrigerant again.



**Expansion Valve**

Warm liquid refrigerant from heat exchanger is forced through valve, as the pressure drops it rapidly expands, becoming an extremely cold liquid refrigerant.



# HOW IT WORKS



The Wedge Pro uses advanced heat pump technology to cool or heat water efficiently, eliminating the need for ice. The system extracts ambient heat from the environment and redistributes it through a titanium heat exchanger, giving you precise temperature control with minimal energy consumption.

#### Core Components:

- Compressor: Increases pressure and temperature of refrigerant gas.
- Evaporator: Absorbs heat from ambient air, with auto-defrost.
- Expansion Valve: Drops pressure to create ultra-cold liquid refrigerant.
- Heat Exchanger: Transfers cooled or heated energy directly to your bath water.

With a COP (Coefficient of Performance) rating of up to 7.9, this isn't just cooling, it's next-gen efficiency.



# SMART CONTROLS

Whether you're at home or away, the Wedge Pro puts the power in your hands. Use the onboard LCD screen or connect via the Smart Life App to:

- Set your ideal temperature (between 2°C–40°C)
- Schedule timers for automated heating/cooling
- Monitor performance remotely
- Switch modes from anywhere in the world

Compatibility: iOS & Android

Wi-Fi Required: Yes

Say goodbye to ice bags and hello to automation.





Choosing the right chiller isn't just about the size of your ice bath—it's about how you use it.

We'll guide you through a few key questions:

- How often do you plunge?
- Indoors or outdoors?
- What's your ideal temperature range?
- Are you using a filtration system?

Many of our customers opt for a larger chiller for:

- Faster temperature changes
- Improved energy efficiency
- Future-proofing for bigger tanks or tubs

Need help sizing up? Our team's here to help you match the right Wedge to your setup.

# SIZING & CHOOSING YOUR SYSTEM





# WEDGE PRO SPECIFICATIONS

		W6	W7	W10	W12	W15	W20	W23
Ambient 24°C   Water 26°C in Humid 80%	Capacity (kW)	6.12	6.85	10.49	12.08	15.83	20.14	23.32
	COP	7.22	7.91	7.59	7.25	7.81	7.42	6.32
Ambient 15°C   Water 26°C in Humid 70%	Capacity (kW)	4.7	4.98	8.12	9.48	12.74	16.55	18.02
	COP	5.4	5.69	5.74	5.55	6.13	6.04	5.16
Max Input Power	kW	1.6	2.09	2.51	3.15	3.93	5.82	5.74
Working Ambient Temperature	°C	-15 ~ 43						
Power Supply		220V / 1Ph						
Minimum fUSE (C Type MCB)	A	13A Plug			20	25	32	
Max Current	A	7.27	2.09	11.43	14.37	17.86	25.3	27.4
Compressor		GMCC*				Mitshubishi	GMCC*	Panasonic
Condensor Type		Spiral Threaded Titanium in PVC						
Fan		1	1	1	1	1	1	1
Airflow		Horizontal						
Water Flow Volume	m3 /h	2 ~ 3	3 ~ 4	4 ~ 5	5 ~ 6	6 ~ 7	8 ~ 9	10 ~ 11
Water Connector Size	inch	1.5						
Refrigerant Type		R32						R410A
Material of Casing		ABS						
Sound Pressure 10m	dB(A)	<28	<29		<30			
Unit Net Dimensions (L*W*H)	mm	826*379*552	933*401*657			1125*470*707		
Net Weight	Kg	44	48	58	72	75	78	94
Waterproof Level		IPX4						
Wi-Fi Connectivity		Smart Life App						



# WEDGE 7



# WEDGE 6, 10, 12, 15, 20, 23



Please note that the Wedge 7 has a slightly different screen to the other models.