

City Multi

R32 VRF Heat Recovery
& Heat Pump Systems



**UK's
FIRST R32**
Heat Recovery & Heat
Pump VRF Systems



The complete range of **lower GWP R32 air conditioning systems** - now available from Mitsubishi Electric

With the launch of the new **YNW R32 VRF systems**, Mitsubishi Electric is first to offer the UK market a complete range of lower Global Warming Potential (GWP) solutions.

Under the growing pressure of the F-Gas phase down regulations, the market is demanding viable and positive solutions which are future proof for businesses and last the full lifecycle of the product.

R32 is now the norm for room and split air conditioning systems offering a lower GWP (675) than R410A (2088).

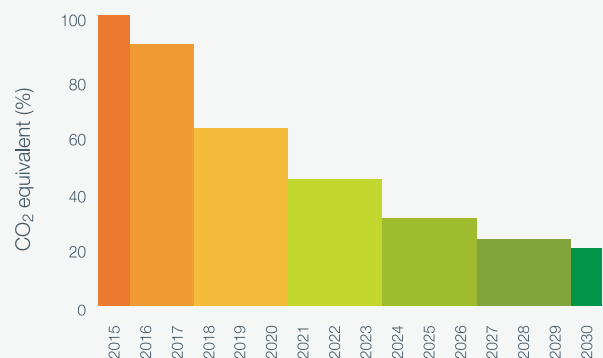
At the same time, the use of VRF systems has grown intensively over the past decade due to the core benefits of flexibility, energy saving and automated control.

The unique Hybrid VRF system has been the only viable R32 VRF solution available to the UK market - until now.

Utilising the innovative City Multi YNW outdoor unit, this R32 solution is able to offer complete design flexibility, high efficiency and low noise.

R32 makes up 50% of the existing R410A refrigerant already found in many current VRF systems, is highly energy efficient and is easy to recycle. A GWP of one third of R410A, plus reduced overall system refrigerant volumes means lower refrigerant total and lower global warming impact.

F-Gas - HFC phase down programme*



Options to reduce the CO₂ equivalent include:

- ↓ Decreasing kW on the market
- ↓ Reducing the amount of refrigerant
- ↓ Lowering the GWP of refrigerant

Customers need a manufacturer that is ahead of the curve and developing products that **meet both current and future legislation**

* F-Gas 2015 phase down programme: http://ec.europa.eu/clima/policies/f-gas/legislation/index_en.htm

Complete choice for any building and any customer

Whoever you or your customers are and whatever the core drivers, the solutions available from our complete range of VRF products, complemented by our strong offering of R32 split air conditioning systems, can meet the tough demands of today's buildings. Whether CSR is high on the agenda, or lifecycle cost or capital cost **there is a choice available from Mitsubishi Electric.**



Outdoor Units

The addition of R32 VRF outdoor units available from 22-34kW, compliment the widest range of innovative VRF solutions available on the market. With R32 and R410A VRF solutions and the unique R32 Hybrid VRF system, Mitsubishi Electric is able to provide the right solution for any building's needs.



Branch Controllers

All Branch Controller (BC) models are replaced with dual compatible R32 / R410A models. These new units benefit from improved piping flexibility and a discreet, concealed and removable drain pan.

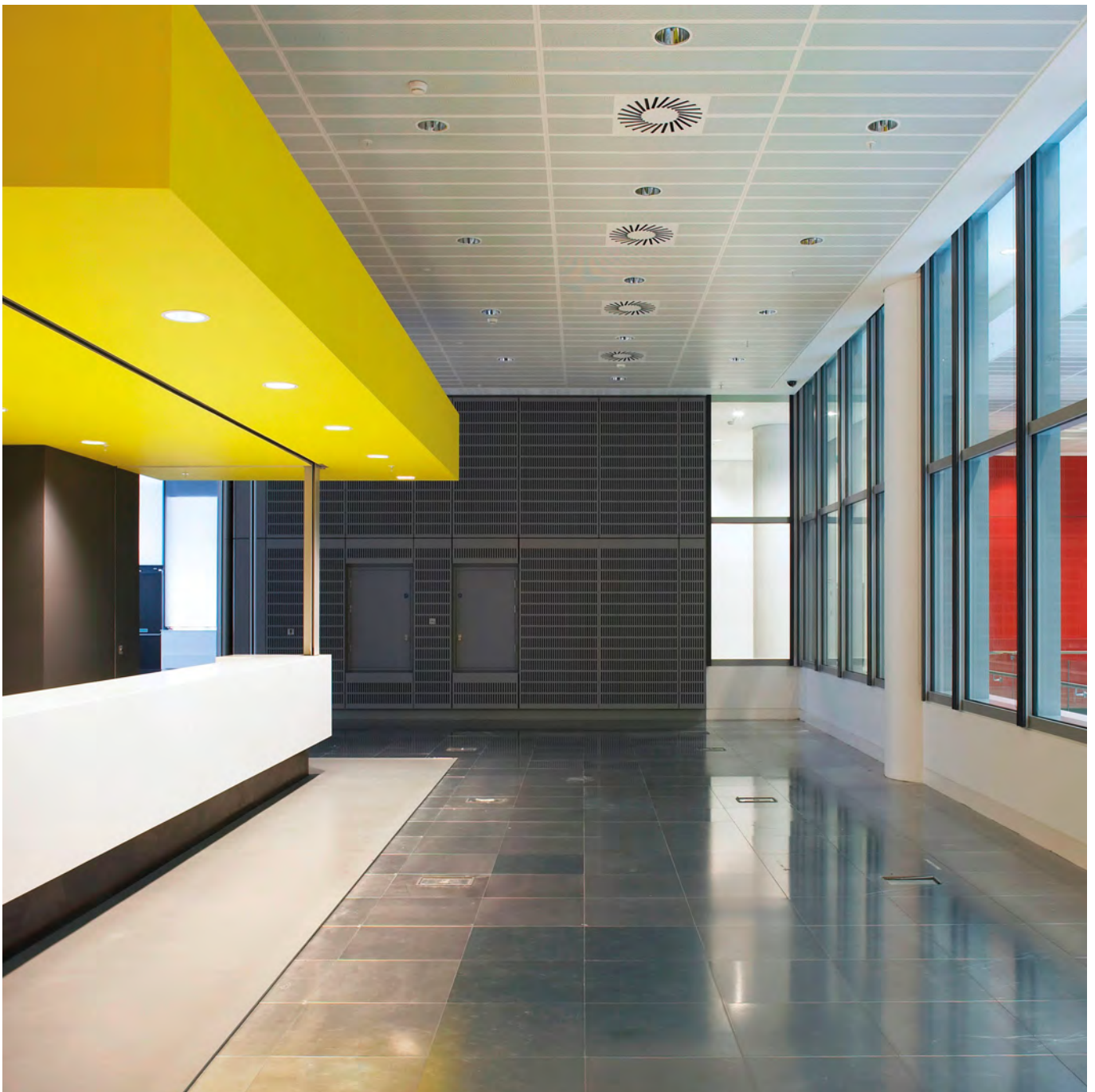
Indoor Units

Available in the full range of medium static ducted and 4-way blow ceiling cassette, the dual compatible R32 / R410A indoor units provide flexibility of installation for R32 VRF in many applications.

Control Solutions

We offer a versatile range of control products to complement our wide range of VRF systems to ensure they operate effectively and efficiently.

The ultimate flexibility in **heating** **and cooling** for your building



Both Heat Recovery and Heat Pump solutions available

The new R32 City Multi system is available in both heat recovery and heat pump variants to deliver lower GWP solutions and offers customers the ability to use one single refrigerant across a complete building or an entire network.

HEAT RECOVERY






Provides simultaneous heating and cooling with the benefit of heat recovery. By moving energy where it's needed, input is reduced by up to 30%. Offering flexibility, operability, comfort and control, **the system is ideal for offices and leisure.**



HEAT PUMP

One outdoor unit provides all indoor units heating or cooling at a given time. **This is ideal for open plan offices, call centres or retail.**



OUTDOOR UNIT	Heat Recovery - R2 Series		P	200	250	300							
			kW	22	28	34							
	High Efficiency PURY-EM (YNW)			●	●	●							
	Standard Efficiency PURY-M (YNW)			●	●	●							
OUTDOOR UNIT	Heat Pump - Y Series		P	200	250	300							
			kW	22	28	34							
	Standard Efficiency PUHY-M (YNW)			●	●	●							
INDOOR UNIT	Ceiling Concealed Ducted			P	20	25	32	40	50	63	80	100	125
				kW	2.2	2.8	3.6	4.5	5.6	7.1	9.0	11.2	14.0
	PEFY-M-VMA			●	●	●	●	●	●	●	●	●	●
INDOOR UNIT	4-Way Blow Ceiling Cassette			P	32	40	50	63	80	100	125		
				kW	3.6	4.5	5.6	7.1	9.0	11.2	14.0		
	PLFY-M-DEM			●	●	●	●	●	●	●	●		
BC	BC CONTROLLER		INDOOR QTY	MASTER BC CONTROLLER		INDOOR QTY	SUB BC CONTROLLER		INDOOR QTY				
	CMB-M104V-J		4	CMB-M108V-JA		8	CMB-M104V-KB		4				
	CMB-M106V-J		6	CMB-M1012V-JA		12	CMB-M108V-KB		6				
				CMB-M1016V-JA		16							

Telephone: 01707 282880

MELSmart Technical Services: 0161 866 6089
 Technical Help - option 1
 Warranty - option 3
 Training - option 6 followed by option 1

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 website: timeforR32.co.uk
 website: recycling.mitsubishielectric.co.uk



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 @green_gateway



Mitsubishi Electric Living
 Environmental Systems UK



mitsubishielectric2



thehub.mitsubishielectric.co.uk

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Note: The fuse rating is for guidance only. Please refer to the relevant databook for detailed specification. It is the responsibility of a qualified electrician/electrical engineer to select the correct cable size and fuse rating based on current regulation and site specific conditions. Mitsubishi Electric's air conditioning equipment and heat pump systems contain a fluorinated greenhouse gas, R410A (GWP:2088), R32 (GWP:675), R407C (GWP:1774) or R134a (GWP:1430). *These GWP values are based on Regulation (EU) No 517/2014 from IPCC 4th edition. In case of Regulation (EU) No.626/2011 from IPCC 3rd edition, these are as follows. R410A (GWP:1975), R32 (GWP:550), R407C (GWP:1650) or R134a (GWP:1300).

Note: Application considerations: Refrigeration systems should be designed and installed in accordance with BS-EN378, safety and environmental requirements. Whether the R32 units are installed outside or inside, the requirements for application may differ, therefore careful consideration should be made. Our professional teams can assist you to meet these requirements and guide you to the best solution to meet the needs of you, your customer and the building - please contact your local sales office for further guidance.



www.greengateway.mitsubishielectric.co.uk
 Mitsubishi Electric UK's commitment
 to the environment