aircycle 1.1 HRV system

- Mount options; wall, floor and ceiling.
- Duct configurations; standard and inverted.
- 0.7 W/l/s Specific Fan Power.
- 90% Heat Recovery Efficiency

The aircycle 1.1 is specifically designed for apartments and small houses where space can be limited. With several mounting options (wall, ceiling or floor), the aircycle 1.1 succeeds where others don't, by delivering a high heat recovery efficiency within a very compact package.

Whilst eliminating many of the issues caused by poor indoor air quality, the aircycle 1.1 can significantly contribute to lower space heating costs with a heat recovery efficiency of up to 90% and an energy efficient specific fan power down to 0.7 W/l/s.

Core features include:

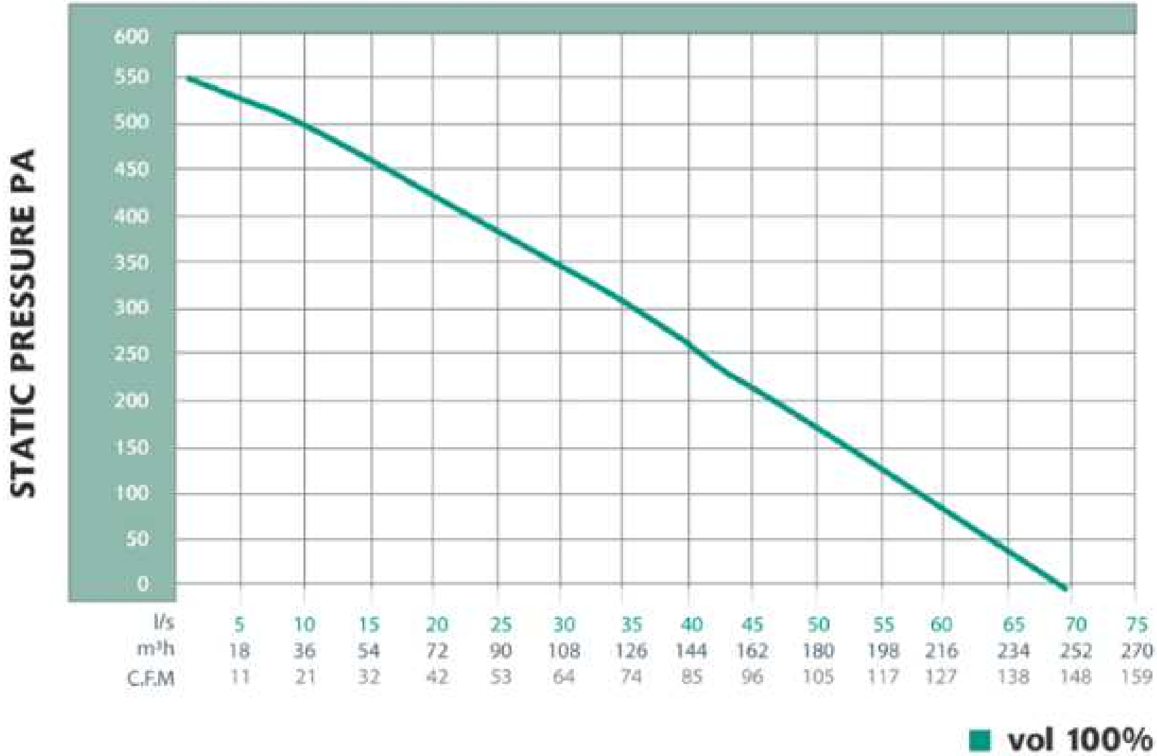
- Up to 90% heat recovery efficiency
- Down to 0.7 W/l/s specific fan power
- 100% variable fan speed (independent fan control)
- Wall, ceiling or floor mount options
- Local boost facility
- Tempering summer bypass (optional)
- Easy access air filters
- **SAP Appendix Q Results**

Configuration	Specific Fan Power (W/l/s)	Heat Exchange Efficiency (%)
Kitchen + 1 wet room	0.7	90
Kitchen + 2 wet rooms	0.71	89
Kitchen + 3 wet rooms	0.77	88
Kitchen + 4 wet rooms	0.87	87

- **Acoustic Performance**

	Airflow l/s	Pressure Pa	Lf (MAX) 125	Lf (MAX) 250	Lf (MAX) 500	Lf (MAX) 1000	Lf (MAX) 2000	Lf (MAX) 4000	Lf (MAX) 8000	Overall Lw	Overall Lwa	Casing Breakout dBA @ 3M
SPD1 Supply	16	6	32.3	32.7	36	37.8	28.5	21.9	19.2	37	31	10
SPD1 Extract	17	2	30	26.9	30.7	33.2	25.4	19.2	18.1	34	28	10
SPD1 Breakout	19	4	27.4	26	32.6	30.5	29.6	22.1	19.6	34	28	10
SPD2 Supply	28	12	28.2	39.2	52.5	50.1	42.4	33.9	24.7	49	44	19
SPD2 Extract	29	10	31.7	29.7	47.3	40	33.3	28	22.2	41	34	19
SPD2 Breakout	31	9	30.8	33.6	46.4	46.8	34	27.4	21.4	43	37	19
SPD3 Supply	38	18	33.8	40.8	56.7	55.8	51.7	42.6	30.3	56	46	24
SPD3 Extract	42	25	37.8	34.3	50.6	49.1	34.9	34.2	24.8	48	41	24
SPD3 Breakout	42	16	28.7	33.3	50.3	46.2	40.4	33.8	25.4	48	41	24
SPD4 Supply	49	31	48.3	44.8	61.3	64.5	56.9	50.3	39.9	64	55	32
SPD4 Extract	53	43	45.9	36.2	52.4	59.9	36.5	40.1	26.2	54	50	32
SPD4 Breakout	54	30	49.1	35.3	54.1	56.2	47	40.6	35.1	56	50	32
SPD5 Supply	66	40	43.6	47.6	60.4	66.2	63.4	54.2	45.7	64	58	33
SPD5 Extract	60	55	42	40.5	56.1	58.8	43.2	41.7	39.2	60	51	33
SPD5 Breakout	66	40	36.9	35.7	57.4	60.5	52.9	45.4	40.4	60	51	33

AIRFLOW PERFORMANCE CURVE



Weight
10kg

Materials

- Main enclosure: Impact resistant EPP (Expanded Polypropylene)
- PCB Enclosure: Nylon 6 V0
- Drainage tray: HIPS
- Filters: Polyester media (G2/3)
- Mounting bracket: Zinc plated steel

Electrical

- 230V EC

- EC low energy fans
- Supplied with a flying lead

Controls

- Efficient in-built control board (SAP Q approved)
- Potentiometer fan speed control (Trickle and boost settings)
- Single 230V boost input (Compatible with Light switch relay, humidistat, PIR etc.)
- Optional 'Tempering' Summer Bypass (Variable between 20 and 27 Degrees Cel.)

Standards

- Fully complies with Building Regulations for UK & Ireland | SAP Q Approved
- Energy Savings Trust Best Practice, CE, ISO 9001

SPF
Down to 0.7 W/l/s

Efficiency
Up to 90%

Guarantee
5 Years

Product Codes

Product Version	Standard Configuration	Inverted Configuration
Wall Mount	AS 90-0101-WIN-01	AS 90-0101-WIN-01V
Wall Mount c/w Summer Bypass	AS 90-0101-WINS-01	AS 90-0101-WINS-01V
Ceiling Mount	AS 90-0101-CIN-01	AS 90-0101-CIN-01V
Ceiling Mount c/w Summer Bypass	AS 90-0101-CINS-01	AS 90-0101-CINS-01V
Floor Mount	AS 90-0101-FIN-01	AS 90-0101-FIN-01V
Floor Mount c/w Summer Bypass	AS 90-0101-FINS-01	AS 90-0101-FINS-01V