



UNITARY WHEEL CASSETTE FEATURES & BENEFITS

Upgrade your existing plastic, disposable wheel application in your energy recovery unit (ERU), with the best Unitary Wheel Cassettes (UWC) in the industry. Fläktgroup® SEMCO® cassettes can be used to replace wheels found in AAO®[®], GREENHECK®[®], Carrier Corporation®[®], CLIMATEMASTER®[®], LENNOX®[®], and McQuay International®[®] ERU systems. SEMCO offers two different cassette options, the Classic Cassette and the Cross Cassette. Both lines of cassettes, recover more sensible and latent energy more effectively than any competitive offerings. The newly expanded SEMCO UWC line, now offers a larger variety of sizes in both the Classic Cassette and Cross Cassette lines.

KEY BENEFITS

SUPERIOR PERFORMANCE

Highest latent and sensible heat transfer efficiency certified media.

COMPACT DESIGN

Most compact design in the industry given any specific face velocity and efficiency.*

**Based on industry standard 400-900 feet per minute*

AHRI CERTIFIED

Independently tested in accordance with ASHRAE 84 and verified to assure the equipment will perform accurately and consistently.

MONEY SAVING

Fast adsorption of moisture, giving a high latent efficiency even at high air flow rates.

EXCEEDS SMOKE AND FLAME SPREAD SAFETY RATINGS

The UWC line is independently certified to pass NFPA 90A requirements for flame spread and smoke generation based upon ASTM E84 fire test method.

CORROSION RESISTANCE

The ceramic coating on the rotor gives extremely high corrosion protection.

UNIQUE FLUTE DESIGN

Generating the highest possible heat transfer characteristics fan size, while simultaneously reducing pressure loss parameters, resulting in a reduction of brake horsepower used and fan size.

NON-OXIDIZED COATED MEDIA

The media is made from aluminum which features a dense layer of corrosion resistant desiccant. This extends the life of the aluminum media substrate and enhances its structural integrity, perimeter and face contact seals to minimize air leakage and wheel bypass.

LOW LEAKAGE SEALS

The UWC line is supplied with hybrid brush/barrier, perimeter and face contact seals to minimize air leakage and wheel bypass, forming the ideal sealing surface.

LIGHT WEIGHT MEDIA SUPPORT

The media support members (hub, spokes and rims) are aluminum extrusions. This combines strength with precision.

EASE OF INSTALLATION

The UWC is designed to be a slide in replacement for the stacked plate, dimpled plastic wheels in most applications and can be easily installed in just a few minutes.

LIFETIME PERFORMANCE

The UWC is designed and built to provide long and reliable operation for the life of the equipment it's installed in, minimizing maintenance, labor and replacement costs DLL performance software for integration into the selection software of OEM customers.

EFFORTLESS INSTALLATION



TIME ELAPSED ON INSTALLATION =
26 SECONDS

KEY FEATURES

- Industry's highest recovery performance (AHRI Certified) and Recovery Efficiency Ratios (RER)
- 100-150 mm deep transfer media
- Reduced contaminant carry-over compared to silica gel based energy wheels
- Structural sheet metal with tubular bearing support
- Structural aluminum media spoke system with extruded aluminum inner hub
- Comprehensive variable speed wheel motor (optional)



FLÄKTGROUP® SEMCO® CONVERSION CHART

Classic Cassette Series	AirXChange®	Cross Cassette 4 Series	NovelAire® 4"	Cross Cassette 6 Series	NovelAire® 6"
UWC-30	ERC-30	UWC-304	ECW-324	UWC-466	ECW-486
UWC-36	ERC-36	UWC-364	ECW-364	UWC-526	ECW-546
UWC-41	ERC-41	UWC-414	ECW-424	UWC-586	ECW-606
UWC-46	ERC-46	UWC-464	ECW-484	UWC-686	ECW-666
UWC-52	ERC-52	UWC-524	ECW-544	UWC-746	ECW-726
UWC-58	ERC-58	UWC-584	ECW-604	UWC-786	ECW-786
UWC-64	ERC-64	UWC-684	ECW-664	UWC-846	ECW-846
UWC-68	ERC-68	UWC-744	ECW-784	UWC-906	ECW-906
UWC-74	ERC-74	UWC-784	ECW-784	UWC-966	ECW-966
UWC-78	ERC-81	UWC-844	ECW-844	UWC-1026	ECW-1026
UWC-84	ERC-86	—	—	UWC-1086	ECW-1086

EXCELLENCE IN SOLUTIONS

FläktGroup® SEMCO® delivers smart, energy-efficient, air-quality solutions to support every building application. We offer our customers innovative technologies, high-quality products and outstanding performance supported by more than fifty years of accumulated industry experience. The broadest offering on the market and a strong market presence in 65 countries worldwide guarantees that we are always by your side, ready to deliver: Excellence in Solutions.

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