

## Ultima™ – Market Leading Unique Oil-free Compressed Air Solution

- Up to 13% power savings versus traditional oil-free technology
- 3.4m<sup>3</sup> less volumetric space
- Just 69 dB(A)



### Ultima™ delivers on every level

Ultima is a groundbreaking, oil-free PureAir compressor. The unique design of this all new compressor range from CompAir, utilises a low and high pressure dry screw airend - each airend is individually driven by a **variable speed**, permanent magnet synchronous motor, offering **exceptional levels of efficiency** versus traditional oil-free technology. Considering that the highest cost in the lifecycle of a compressor is the energy to run it, the unique design of Ultima has allowed us to combine the ultimate performance with the ultimate efficiency, and still deliver a **footprint 37% smaller** than a conventional two-stage oil-free compressor.

### Unique cooling system

By utilising the superior design of the closed loop water system, Ultima requires no air for internal cooling. Ultima processes cooling air within the compressor and using a heat exchanger, cools the internal air, then recirculates it via the base frame around the compressor. This also ensures that no dust or particulate can enter the inside of the compressor. As a result, installation is made easy with **no requirement for ducting**, compressor rooms can be kept to the minimum size, noise levels are greatly reduced and machines can be **easily installed at point of use**.

### U-Cooler - External air-cooling module

Designed for applications where site cooling water is not available, the modular water cooling system "U-Cooler" enables any customer to realise the efficiency benefits of water cooled compressors. The highly efficient V-shape cooling module reliably removes waste heat from the Ultima cooling cycle and is managed through the Ultima compressor controller. CompAir delivers the complete package including the high-efficiency, speed-controlled pump station. Further benefits are:

- ▶ Easy installation
- ▶ Small footprint
- ▶ Almost maintenance-free
- ▶ High reliability, leak-safe



## Efficiency solution including

- Oil-free variable speed compressor
- Variable speed pump station
- V-shape air cooling module



### U-Cooler Technical Data

Material Number		Module for U75-U110 ZS1177830	Module for U132-U160 ZS1177831
Medium		Water / Glycol 70/30	Water / Glycol 70/30
Water inlet temperature (max.)	°C	62.1	60.7
Water outlet temperature (max.)	°C	45	45
Air inlet temperature (max.)	°C	40	40
Water volume flow	l/min	110	160
<b>Module</b>			
Total input power	kW	1.03	1.54
Maximal cooling power	kW	123	165
Pressure drop	bar	0.44	0.41
Full load current	A	1.9	2.5
<b>Module Weight &amp; Dimension (without options)</b>			
Weight (empty)	kg	537	777
Pipe volume	l	60.2	85.8
Length x Width x Height	mm	2575 x 1185 x 1720	3775 x 1185 x 1720
Number of feet	—	6	8
<b>Module Sound Level</b>			
Noise sound power level $L_{WA}$	dB(A)	74	75
Noise sound pressure level $L_{PA}$ (in 10m)	dB(A)	42	43
<b>Pump Station</b>			
Length x Width x Height	mm	1062 x 410 x 1112	
Weight (empty)	kg	50	
Cooling water connection inlet / outlet	—	IG 1 ½"	
Total input power	kW	2.2	
Full load current	A	4.56	
<b>Notes / Extra</b>			
Optional: Collecting System Glycol Guard G3		ZS1179989	ZS1179990