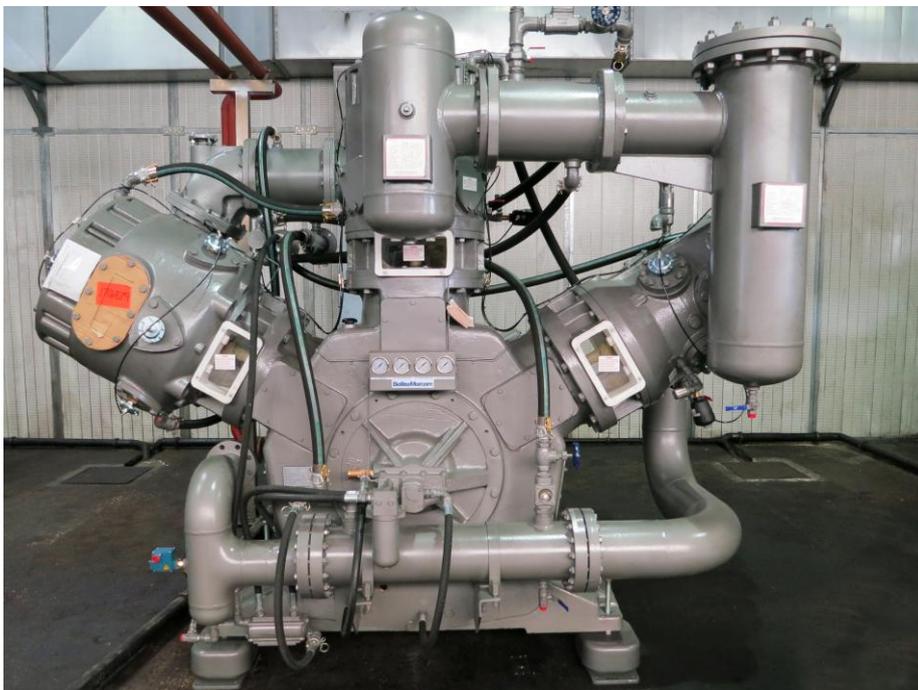


Vöslauer Mineralwasser makes the natural choice

Vöslauer Mineralwasser AG, the market leader for mineral water in Austria, has modernised its PET bottle blowing capability by commissioning two energy efficient Belliss & Morcom WH29 40 bar compressors to replace old existing compressors. The installation of the new compressors will allow Vöslauer Mineralwasser AG to produce up to two million PET bottles per day.

As an environmentally friendly and energy conscious company, Vöslauer Mineralwasser AG, is Austria's largest mineral water producer with a market share of over 41% and is based in Bad Vöslau, Austria.



Application Details

The machines installed in Bad Vöslau supply a maximum of 1,739 m³/hr of compressed air at 40 bar and with a level of high efficiency.

Through a data logging exercise, the WH29 PET compressors consumed at least 5% less energy than comparable compressors. This was achieved through its double-action compression principle, full load and half load capability as well as the directly flange-mounted 385 kW electric motor.

Benefits-at-a-glance

- High energy efficiency levels
- Low noise levels
- Low vibration operation
- Low compressor speed
- 5% energy saving over competitors

Application-at-a-glance

- 2 million PET bottles per day
- 1,739 m³/hr at 40 bar
- Double acting piston & cylinder operation
- Full load and half load capability
- Direct drive 385kW motor

Customer
Vöslauer
Mineralwasser AG

Location
Bad Vöslau,
Austria

Application
PET Bottle blowing

Product
WH29

Customer Benefit
Energy efficient



“ The energy figures are good and correspond to the values promised and calculated by us. Therefore the life cycle costs, which are the basis for every investment decision for us, are within the expected range. ”
Walter Goisser, Technical Manager

Application Details

As all compressors feed into a network, it made sense, as part of the station modernisation, to also install a higher-level controller which switches the individual compressors on and off as required. Therefore, the scope of supply also included a higher-level controller which is in use in many plant air networks and improves the energy efficiency of the station at higher pressure ranges. Walter Goisser: "In principle, we use three compressors, the fourth is a redundant machine for maintenance work on the network. The controller ensures that the required compressed air is always supplied by the most efficient combination."

As a result, the modernised 40-bar station puts Vöslauer Mineralwasser AG in an excellent position in terms of their planned annual growth. Walter Goisser: "We have no need for modernisation until 2018, and even if there is disproportionate growth in demand, we can simply switch the redundant compressor on."