

WEH® TW111 | An indispensable tool for filling refrigerants

The WEH® TW111 service coupler for filling and maintaining refrigeration and air conditioning systems **connects** to Schrader valves **in just seconds without tedious hand tightening**. This not only **minimises connection times** but, what is more important, the **loss of refrigerant is reduced by up to 99 %**. Climate control made easy!

Worldwide the typical practice for filling refrigerants is to use screw connectors. When disconnecting these screw connectors, the residual refrigerant in filling hoses escapes into the atmosphere. So every year nearly 16 tons of refrigerant escape during filling and maintaining climate control systems, causing considerable environmental damage.

Escaping refrigerants also present a risk of injury to operators and can cause painful frost burns to the hands. Manual screwing and unscrewing is not only time and cost-consuming, but is also very laborious, with a serious risk of operator sickness from Repetitive Strain Injuries (RSI).

To minimise the impact on the environment and make disconnection and connection **easier and more comfortable** for service technicians, WEH has designed the **TW111 filling connector**. For many years, this tool has proven to be **indispensable** for the refrigeration and air conditioning industry.

Featuring the innovative WEH® Jaw locking mechanism, the WEH® TW111 **connects in seconds** to Schrader valves according to SAE J513. Tedious **screwing and unscrewing** leading to overstrained joints **is a thing of the past!** Just place the connector onto the Schrader valve and push the sliding sleeve forward to establish a **safe and pressure-tight connection** - and start filling.

The TW111 is characterised by its **small external diameter of 25 mm**, allowing for **convenient connection** even in restricted spaces. This ensures **reduced connection times and costs** resulting in **enhanced productivity**.

Moreover with the WEH® TW111 **up to 99 % less refrigerant loss** is achieved. An integrated shut-off valve prevents the escape of refrigerant and attains good environmental protection performance. Only the remaining refrigerant between the check valve of the Schrader fitting (coupled to the air conditioning system) and the shut-off valve (coupled to the connector) escapes on disconnection. However any residual gas in the filling hose is saved. Additionally the shut-off valve increases **safety at work** and **operator convenience** by eliminating any need for safety gloves.

The higher the number of connection / disconnection cycles, the more **refrigerant can be saved**.

By using the TW111 in the long term the **financial cost** of refrigerant loss **is greatly reduced**, a **significant contribution** is made **to environmental protection** and **safety at work is increased**.

The TW111 service coupler is rated for an operating pressure of up to 42 bar max. and is suitable for most refrigerants. The TW111 is optionally available with **central or 90° media inlet**. It has a **colour coded sliding sleeve** for customers to choose between the **high pressure connection port (red)** or the **low pressure connection port (blue)**.

Information:

3.086 charts (incl. spaces)

Enclosure:

2 product pictures

General information WEH Company:

WEH is a leading manufacturer of quick connectors with more than 40 years of experience. The high-quality quick-release couplings provide safe, reliable and pressure-tight connections in just seconds. The jaw locking mechanism designed by WEH significantly boosts efficiency during leak & pressure tests.

WEH is certified ISO 9001 and certified according to the European Pressure Equipment Directive (PED). As an internationally operating company, WEH is represented in over 40 countries all around the world and has more than 160 employees.

Picture



z-64121 - WEH® TW111 Service couplers



z-64122 - **Connection** to Schrader valves **in just seconds**

For further questions or pictures please contact:

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