

Controlled tightening of PVDF/UHP and PVDF unions

During the installation of **PVDF-UHP** and **PVDF** pipeline, the pipe union it's the element most frequently used for the pipeline division as it is easily weldable thanks to its large tangs. However, at the time of the installation, it is not always easy to tighten the union lock ring.



This tighten operation is usually carried on manually, without the proper ability to effectively control the applied torque. Only until recently there was any available visual indicator which could be able to show when the correct tightening torque of the joint was reached.

As an optimal solution to this problem, we have added to our catalogue new **pipe union models**, in the size range between **OD 20mm** and **OD 63mm**, externally modified with two differently inclined planes that allows to visually assert when the correct position for the locked joint has been reached. When the inclined planes of the

locking ring and the union base are aligned without leaving any corners, the adequate tightening torque has been reached, and the union is then correctly tightened.

For whom instead prefers to apply mechanically controlled tightening torque with a preset torque wrench, we offer a **set of wrenches** just **prepared** with the **correct torque** for each available diameter. Such wrenches will slip once reached the preset torque value, indicating that the union has been correctly tighten.

This innovative techniques haven't been extended beyond diameters > 63mm as in such cases the large size of the union locking rings already allows a much more simpler tightening operation.