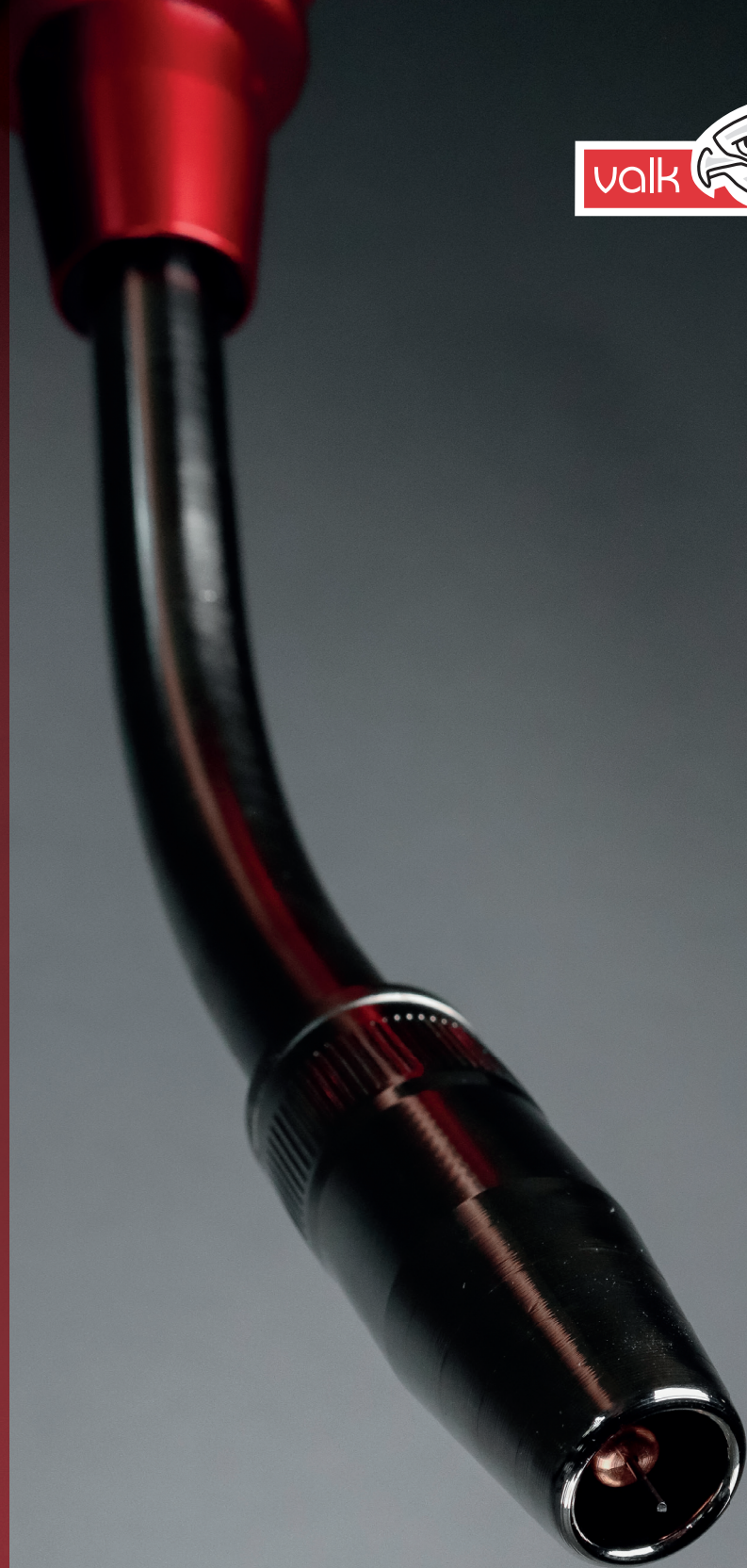


Valk Welding Group

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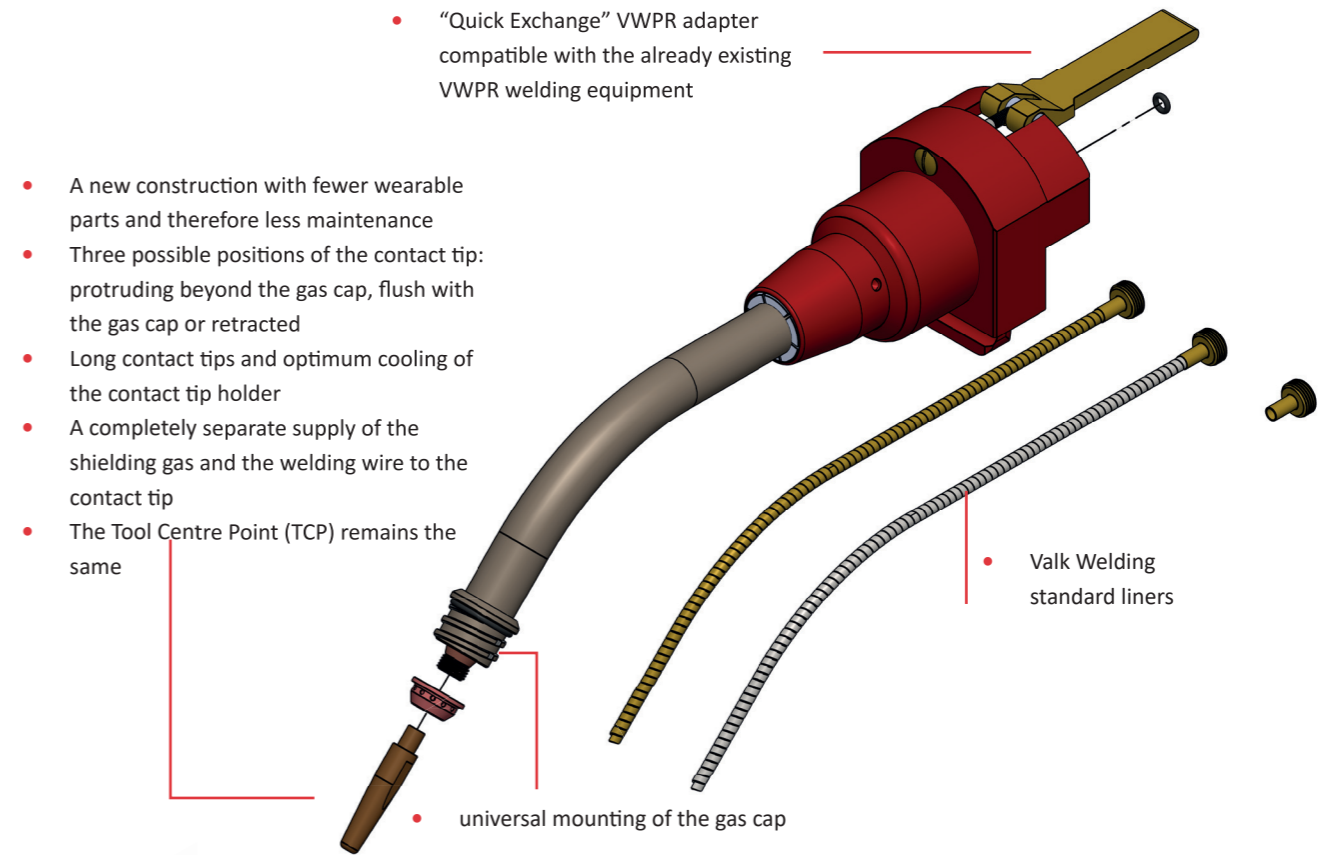


VWPR Mig II robotic welding torch



“The enthusiastic response from the companies that tested the first units was remarkable. The tool life and the wear on the parts was extended by a factor of 5, which resulted in very large savings in terms of both production and Total Cost of Ownership (TCO).”

- Sander Verhoef, Manager R&D



VWPR Mig II robotic welding torch

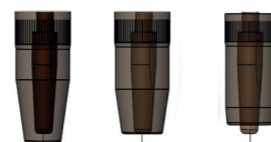
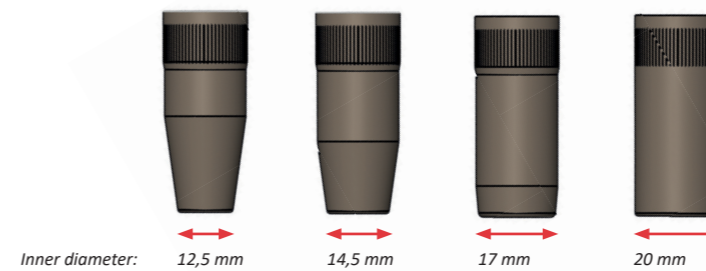
With the full in-house development and production of the new MIG II torch, Valk Welding has taken a big step forward. The focus was on both durability and greatly improved performance, both in service life and welding quality. We present the main features:

- A completely new and unique construction with far fewer wearable parts, therefore much less maintenance.
- Universal mounting of the gas cap.
- A “Quick Exchange” VWPR adapter compatible with the already existing VWPR welding equipment to change the torch quickly and accurately.
- Three possible contact tip positions: protruding beyond the gas cap (Extended), flush with the gas cap (Flushed) or retracted (Retracted), depending on your needs.
- Optimal wire feeding with Valk Welding standard liners that are supplied pre-assembled to size.
- A supply of the shielding gas up to the contact tip that is completely separate from the welding wire supply, ensuring higher purity and therefore better weld quality.
- Long contact tips and optimal cooling of the contact tip holder for better weld quality through optimal current transfer and reduced wear.
- The Tool Centre Point (TCP) remains the same as that of the existing VWPR torches and is thus interchangeable.

With its great advantages, this torch is the right choice for all MIG applications, whether for steel, stainless steel or aluminium. Specialty torches with the same advantages can also be made in situations where a standard torch does not offer optimal reach for the welding robot.

MIG II Compact

If necessary, shorter contact tips can also be used so that in combination with a short gas cap, you have a VWPR MIG II Compact torch. This allows optimal welding torch positions in very tight spaces for perfect weld quality.



	Retracted	Flushed	Extended
Reachability	•	••	•••
Short stick-out	•	••	•••
Long stick-out	•••	••	•
Contact tip protection	•••	••	•

Our VWPR solution for fume extraction

To ensure optimal protection for robot operators, Valk Welding has developed a VWPR torch with integrated welding fume extraction. Collaborating with high-precision extraction unit, we have created a system that keeps operators safe, prevents direct contact with contaminants and offers flexible use on your robotic system:

- The most powerful and efficient device available on the market.
- Specially designed to filter even the smallest and most harmful particles.
- Includes a bag-in/bag-out system for safe maintenance of the unit.
- Compatible with the VWPR MIG II FE torch.
- Uses an automatic filter cleaning system using compressed air.
- The VWPR ATMOWFLOW extraction unit communicates directly with the robot during the welding process.
- Based on the standard VWPR MIG II torch, allowing usage of the same spare parts and reducing the total cost of ownership.



Watch our video's

