

# **THERMACUT SMART SOLUTION OF REPLACEMENT PARTS SUITABLE FOR HYPERTHERM® PLASMA CUTTING SYSTEMS POWERMAX® 65 POWERMAX® 85 POWERMAX® 105 AND HAND/MACHINE TORCH DURAMAX®**

## **FEATURES**

- REDESIGNED SWIRL RING
- PATENTED ELLIPTICAL NOZZLE
- UNIQUE DESIGN OF SHIELD AND RETAINING CAP

## **BENEFITS**

- IMPROVED LIFETIME OF CONSUMABLES
- IMPROVED COOLING OF CONSUMABLES
- IMPROVED RESISTANCE AGAINST BLOWBACK OF MELTED METAL
- EXCELLENT CUT QUALITY
- ELIMINATING THE MATERIAL WASTE OF MULTIPLE SPRINGS

**THERMACUT®**  
THE CUTTING COMPANY®



YEARS OF EXPERIENCE, LIFE TESTING, UNIQUE IMPROVED DESIGN AND THE EFFORT TO IMPROVE THE SPEED AND CUT QUALITY OF YOUR PLASMA CUTTING SYSTEM. THIS IS WHY THERMACUT STRIVES TO BRING **SMART SOLUTION** TO OUR CUSTOMERS WHENEVER POSSIBLE.

## UNIQUE SOLUTION OF TWO PIECE SWIRL RING

OUR DESIGN REMOVES THE SPRING FROM THE ELECTRODE AND PLACES IT IN A SEPARATE BACK CAP, WHICH IS INCLUDED FREE OF CHARGE WITH THE PURCHASE OF A PACKAGE OF FIVE ELECTRODES, ELIMINATING THE MATERIAL WASTE OF MULTIPLE SPRINGS WHILE IMPROVING THE LIFE OF THE ELECTRODES.

## PATENTED ELLIPTICAL NOZZLE

THE PATENTED ELLIPTICAL SHAPE OF THE NOZZLE COMBINED WITH SHIELD AND RETAINING CUP USE A MODIFIED GAS FLOW DESIGN, WHICH OFFERS IMPROVED CONSUMABLE COOLING AND FOCUSING OF THE PLASMA ARC WITH A STRONG GAS SHIELDING BARRIER. THIS RESULTS IN IMPROVED CONSUMABLE LIFETIME AND CUT QUALITY AND RESISTANCE AGAINST THE BLOWBACK OF MELTED METAL.

THERMACUT ELECTRODE, SWIRL RING AND SWIRL RING HOLDER MUST BE USED AS A SET. IF THESE THREE PARTS ARE USED AS A SET, THE REMAINING CONSUMABLES CAN BE OEM.

**SWIRL RING**  
220857-UR  
220994-UR



**ELECTRODE AND SWIRL RING HOLDER**  
220842 (5 PIECES)



**SHIELD**  
220817-UR  
220818-UR



**NOZZLE**  
220941-UR  
220819-UR  
220816-UR



THERMACUT 45/65/85A SHIELD AND NOZZLE MUST BE USED AS A SET. IF THESE TWO PARTS ARE USED AS A PAIR, THE REMAINING CONSUMABLES CAN BE OEM.

**SHIELD**  
220993-UR  
220992-UR



**RETAINING CAP 105A**  
T-11932  
T-11422



**NOZZLE**  
220990-UR



THERMACUT 105A SHIELD, NOZZLE AND RETAINING CAP MUST BE USED AS A SET. IF THESE THREE PARTS ARE USED AS A SET, THE REMAINING CONSUMABLES CAN BE OEM.

**RETAINING CAP 105A**  
T-11932  
T-11422



**RETAINING CAP 45/65/85A**  
220854-UR  
220953-UR



DIFFERENT RETAINING CAPS HAVE TO BE USED FOR 105A AND FOR 45/65/85A!

# A GLOBAL PROVIDER OF THERMAL CUTTING TECHNOLOGY

**THERMACUT®**  
THE CUTTING COMPANY®

**THERMACUT GMBH**  
ESSENER STR. 1 · D-57234 WILNSDORF  
PHONE: +49 (0)2739 4033-0  
E-MAIL: [INFO@THERMACUT.DE](mailto:INFO@THERMACUT.DE) · [WWW.THERMACUT.DE](http://WWW.THERMACUT.DE)

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