

# Welding gun cleaning station



## OVERVIEW

Reduce downtime - less manual maintenance work required. Contributes significantly to weld quality and welding performance of a robot.

Regular mechanical cleaning of the internal surfaces of the gas nozzle provides steady and good shielding gas flow for welding. Helps to avoid spatter to form electrical connection bridges between contact tip and the gas nozzle.

Wire cutting provides accurate stick-out length for search functions. Sharp wire end for better arc ignition.

Provides anti-spatter oil on outer surfaces of gas nozzle to support longer life time.

Delivered with reamer tool and centering V-block (prism) for both gas and water cooled Kemppi Guns.

No liquids included, must be ordered separately.

## Consumables for robotic gun cleaning station

Ordering code	Description	Additional info
SP600681	Reamer tool	for water cooled gun
SP600682	Reamer tool	for gas cooled gun
SP600683	Prism	for outer Ø 25mm nozzles water cooled gun
SP600684	Prism	for outer Ø 28mm nozzles gas cooled gun

**Anti-spatter spray liquid - recommendation**

The anti-spatter spray unit can be used with high quality liquid designed specifically for protecting gas nozzle, contact tip and rest of the front end of the welding gun in welding environment. An example of Kemppi approved suitable liquid type is ABI-Mist Anti-Spatter liquid from Abicor Binzel. Note also local environmental laws and restrictions when selecting the liquid.

**TECHNICAL SPECIFICATIONS**

**Welding gun cleaning station**

Product code	SP600674 Equipped with wire cutter, gas nozzle inside reamer and anti-spatter spray unit; order code includes reamer setup for both gas and water cooled nozzles.
Operating voltage	10 to 30 V DC
Weight	22 kg
Nominal pressure	6 bar 88 psi
Nominal flow	Approx. 500 l/min
Operating pressure	6 – 8 bar / 88 - 116 psi
Nominal rotational speed	800 rpm
Max. Wire size	1.6mm (by 6 bar 7 88 psi air pressure)
Ambient temperature	+5° to +50°C
Protection	IP 21
5/2 way valves	
Rated voltage	24 V DC
Power consumption	4.5 W (EACU)
Permitted residual ripple	Vpp < 10%
Continuous current	Max. 200 mA
Current consumption	approx. 4 mA (24 V)
Voltage drop	approx 1.2 V (200 mA)