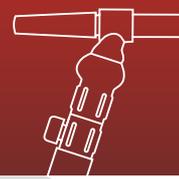
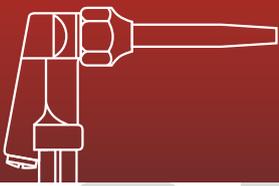


# TIG-WELDING

**A&P**  
TIG torch series





# SERIES-A

## TIG torches A



RA 160L

RA 220L

RA 320W

RA 420W

Model	Capacity		Duty Cycle	Wire Ø
	Highflex torch package	DVOH torch package		
RA 160L	110 A-DC · 95 A-AC	160 A-DC · 120 A-AC	40%	1.0-2.4 mm
RA 220L	180 A-DC · 130 A-AC	220 A-DC · 180 A-AC	40%	1.0-3.2 mm
RA 320W	250 A-DC · 200 A-AC	300 A-DC · 250 A-AC	60%	1.0-3.2 mm
RA 420W	350 A-DC · 300 A-AC	400 A-DC · 360 A-AC	60%	1.0-4.0 mm

Technical specifications conform to EN 60 974-7



### Series A

- push-on ceramic nozzles
- torch bodies in two dimensions  
air cooled and water cooled models
- compact handle with ergonomic shape

### TIG torches A&P series

The TIG welding torch series A&P provides for the **air cooled version** up to **220 A** capacity and for the **water cooled version** up to **400 A**.

The A series requires **push-on ceramic nozzles** which should be pushed on the brass shaft of the torch. With the bulbous form the gas exits **nearly without turbulences**.

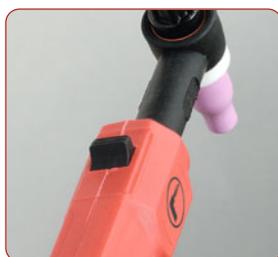
### Handle

Both series are furnished with a slim and compact handle.

This handle provides two special **micro switches** which enable sensitive control without changing the position of the torch during welding.

The turnable **sheath holder** facilitates the welder with his radial movements of the torch.

### Handle with micro switch



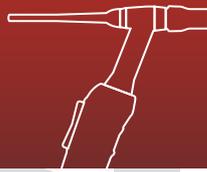
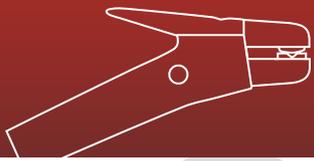
① Double function (DD)



② Double function and UpDown (DDUP)

### Hose and cable package

The hose and cable packages can be supplied in **highflex execution** with flexible rubber hoses and in the **DVOH execution** with large copper cross-section for max. capacity.



# SERIES-P

## TIG torches P

### Series P

- **screw-on ceramic nozzles**
- **wear parts** largely identical to international standard
- **torch bodies in two dimensions**  
air cooled and water cooled models
- **compact handle with ergonomic shape**

The P series has **screw-on ceramic nozzles** which are compatible to the intl standard. Many of the wear parts are identical to the SR series.

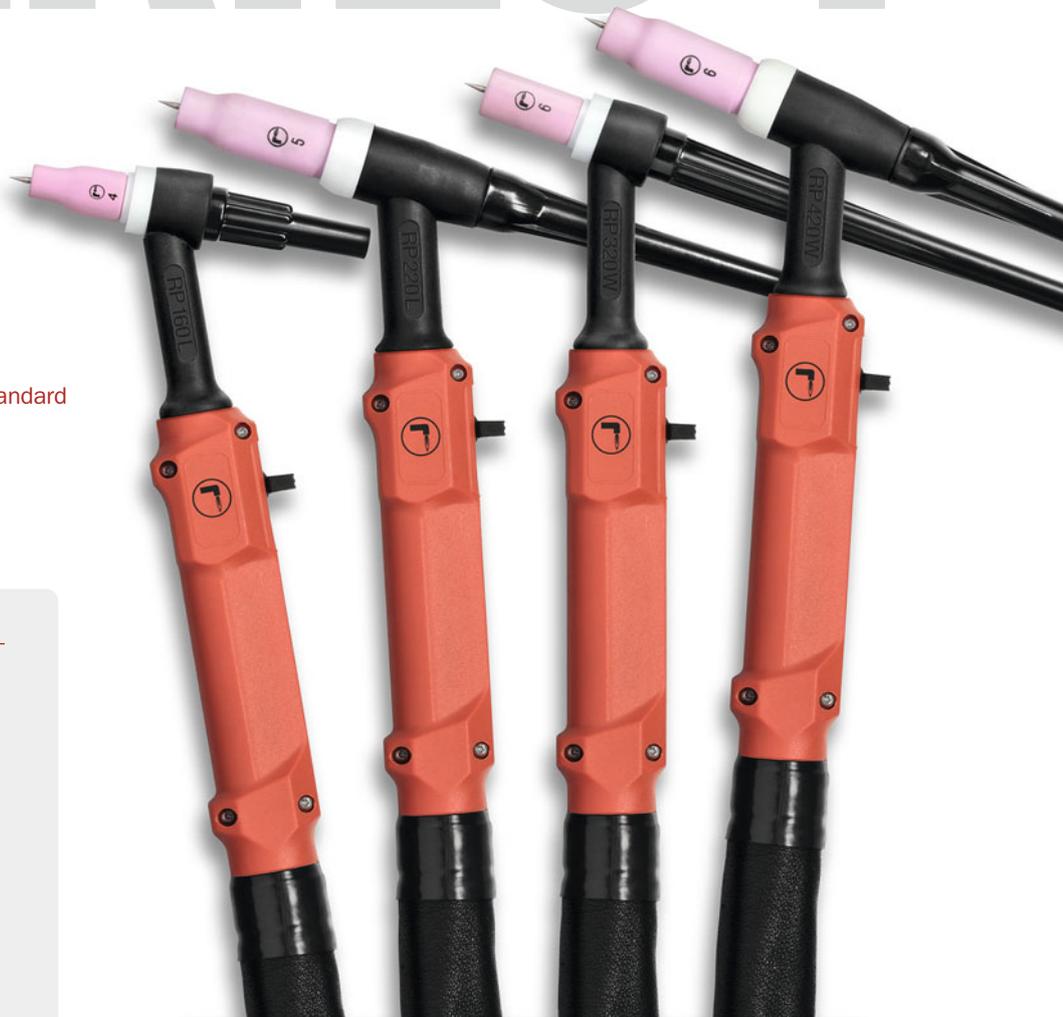
The A&P series come also in a **flex version**, so that the weldor is able to bent the torch in the desired direction without losing his welding position.

The description of the torch will be completed with **“F” for flexible**.

The handle provides two different controls of function:

- 1 **Double function (DD)** with a large rocker, one time for start/stop and one time the second current level
- 2 **Double function and UpDown (DDUP)** with two small rockers, the left one which is slightly elevated, cares for second current level and the right one is used for raising (up) and lowering (down) of current level during welding.

We supply the series A&P fitting at TIG power sources of the brands, “fronius” or “castolin” and on demand for other brands.



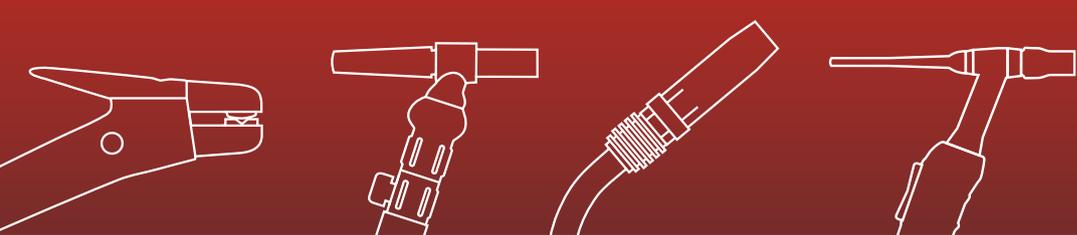
RP 160 L      RP 220 L      RP 320 W      RP 420 W

Model	Capacity		Duty Cycle	Wire Ø
	Highflex torch package	DVOH torch package		
RP 160 L	125 A-DC · 80 A-AC	160 A-DC · 120 A-AC	40%	1.0-2.4 mm
RP 220 L	180 A-DC · 130 A-AC	220 A-DC · 180 A-AC	40%	1.0-3.2 mm
RP 320 W	250 A-DC · 200 A-AC	300 A-DC · 250 A-AC	60%	1.0-3.2 mm
RP 420 W	350 A-DC · 300 A-AC	400 A-DC · 360 A-AC	60%	1.0-4.0 mm

Technical specifications conform to EN 60 974-7



flexible torch bodies



# Connections



FA - air cooled



FA - water cooled



FE - air cooled



FE - water cooled



KR - air cooled



KR - water cooled



GC - air cooled



GC - water cooled

Spare parts A-series



Spare parts P-series

