

# XP8

when productivity counts

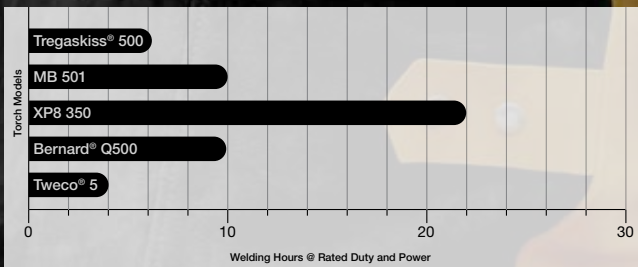
**Designed around today's production environment, modern welding techniques and equipment, the XP8 sets new standards in design, innovation and performance.**

**REDUCED DOWNTIME** - productivity is the key, with the XP8's industry leading 80% duty cycle on air cooled torches keep welding for longer.

**EXCEPTIONAL COOLING** - our patented gas flow technology uses the shielding gas to force cool the contact tip.

**SUPERIOR ERGONOMICS** - designed to give a neutral wrist position and reduce RSI risks.

**EXTENDED CONSUMABLE LIFE SPAN** - contact tips last twice as long as our competitors.



## SETTING STANDARDS IN DESIGN & PERFORMANCE



# WHAT MAKES THE XP8 SPECIAL?

## XP8 WILL:

Reduce consumable consumption by up to 70%

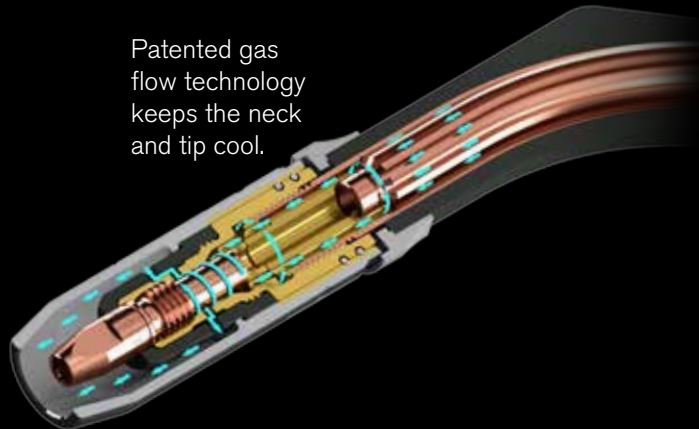
Reduce welder downtime by up to 50%

## OUT PERFORM YOUR CURRENT TORCH

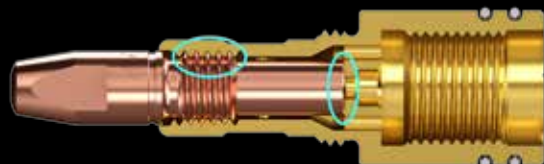


Fully rotating neck available in a range of different lengths for multi-positional welding in those limited access, difficult to reach locations.

Patented gas flow technology keeps the neck and tip cool.



Wide range of configuration options available, including a fully rotating neck to comfortably weld at any angle, see page 19.



Exceptionally long lifespan contact tips. Dual contact points achieve maximum current transfer.



# A NEW WAY OF WORKING

## XP8 IS RATED IN KILOWATTAGE – WHY?

Amperages and duty cycles alone are arbitrary measures of a torches capability. The XP8 is rated in Amps as a guideline, but for a more accurate rating we take wire type, gas type, flow rate and open circuit voltage into consideration, and use the Kilowattage requirement of an application.

## WHICH TORCH SHOULD I SELECT?

MODEL	MIXED GAS (80/20)			
	AMPS	KW	DUTY CYCLE	MAX. WIRE SIZE
XP8-200A	200	6.0	80%	1.2mm (.045")
XP8-300A	300	8.7	80%	1.2mm (.045")
XP8-350A	350	10.5	80%	1.6mm (1/16")
XP8-400A	400	12.0	80%	2.4mm (3/32")
XP8-320W	320	9.6	100%	1.6mm (1/16")
XP8-450W	450	15.8	100%	2.4mm (3/32")

Note: All ratings are based on a nominal gas flow of 18lpm.

## WILL THE GAS USED AFFECT PERFORMANCE?

The use of different gas types can have a marked effect on the performance of air cooled MIG torches.

Generally the higher the content of CO<sub>2</sub> in the shielding gas, the better the performance.

MODEL	MIXED GAS (80/20)		MIXED GAS (95/5)		100% CO <sub>2</sub>	
	AMPS	KW	AMPS	KW	AMPS	KW
XP8-200A	200	6.0	200	6.0	260	7.8
XP8-300A	300	8.7	280	8.4	375	11.7
XP8-350A	350	10.5	300	9.0	425	14.9
XP8-400A	400	12.0	300	9.0	480	17.2
XP8-320W	320	9.6	320	9.6	320	9.6
XP8-450W	450	15.8	450	15.8	450	15.8

Note: All ratings are based on a nominal gas flow of 18lpm. A lower gas flow will result in an increase in working temperature but it will not have any adverse affect as long as the gas flow is within the accepted limits for the welding amperage.

## WILL WIRE TYPE AFFECT PERFORMANCE?

Yes, but not to the same extent as other variables.

MODEL	STEEL (80/20)		ALUMINIUM (100% AR)		CORED (18/20)	
	AMPS	KW	AMPS	KW	AMPS	KW
XP8-200A	200	6.0	200	6.0	200	6.2
XP8-300A	300	8.7	280	8.4	300	9.3
XP8-350A	350	10.5	300	9.0	350	10.5
XP8-400A	400	12.0	300	9.0	400	12.0
XP8-320W	320	9.6	320	9.6	320	9.6
XP8-450W	450	15.8	450	15.8	450	15.8

## WILL A PULSE WELDING PROCESS AFFECT PERFORMANCE?

The effect of pulse welding on air cooled torches is dramatic.

In the XP8 the effect is similar for all wire types when using a pulse process.

MODEL	MIXED GAS (95/5)		
	AMPS	KW	CYCLE
XP8-200A	200	6.0	80%
XP8-300A	260	9.0	80%
XP8-350A	260	9.0	80%
XP8-400A	260	9.0	80%
XP8-320W	320	9.6	100%
XP8-450W	450	15.8	100%

*Kilowattage represents the total power rating required & is calculated as follows:*

$$\text{Welding Amps} \times \text{Welding Volts} = \text{kW}$$

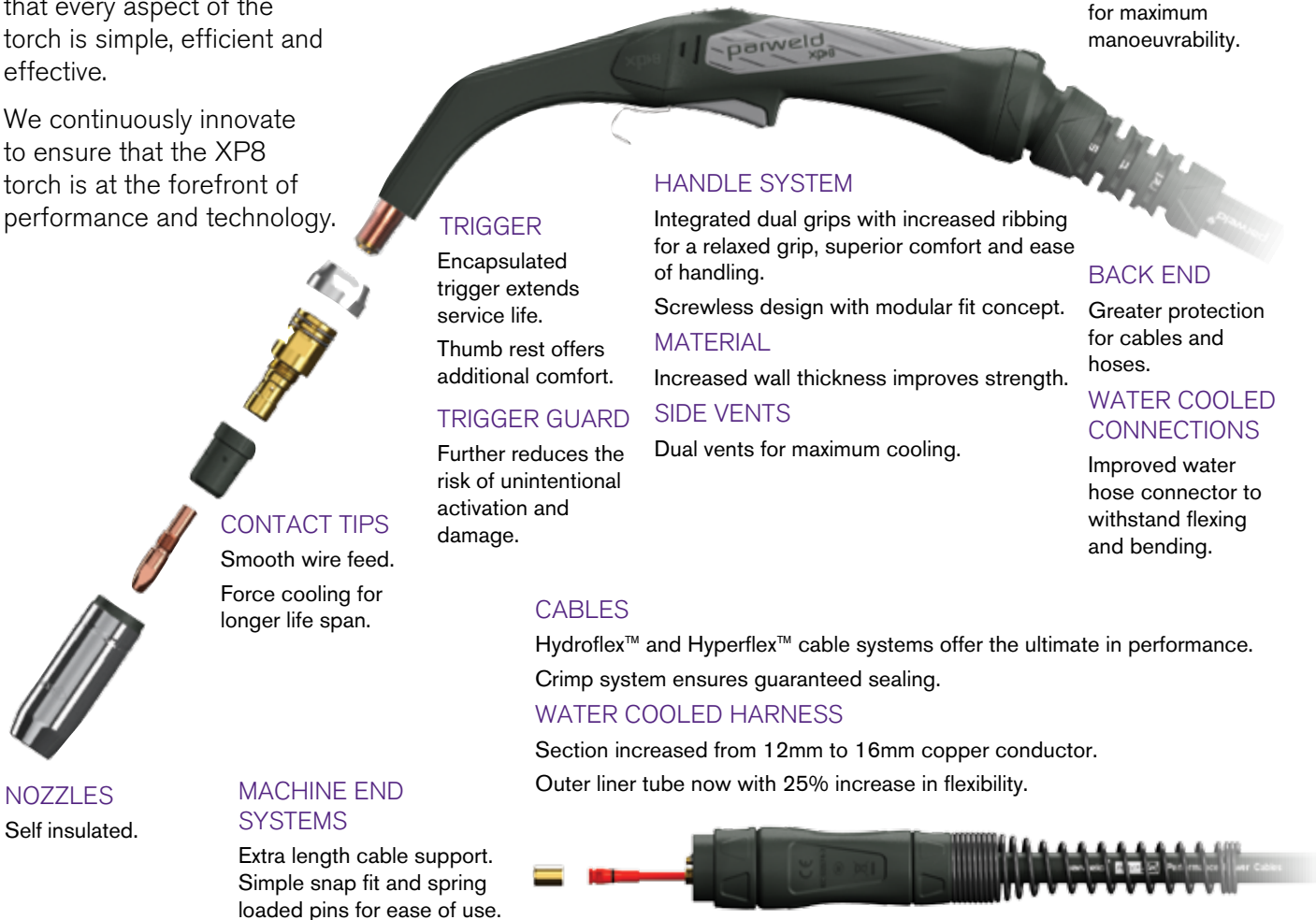
$$1000$$

(Amps x Volts = Watts , 1000 Watts = 1 kW).

# KEY FEATURES

Every component in the XP8 has been designed and manufactured using high specification materials, with performance and service life in mind. We focus on the user, and have worked to ensure that every aspect of the torch is simple, efficient and effective.

We continuously innovate to ensure that the XP8 torch is at the forefront of performance and technology.



## SWAN NECKS

Lightweight, durable and robust impact resistant covering. Overmould prevents transfer of reflected heat through neck and shorting the neck to the work piece.

## CONDUCTOR FRONT

Hardened brass allows necks to better withstand stresses of head tightening, helping to maintain gas flow and prevent gas leakage.

## BALL JOINT SYSTEM

High flex system for maximum manoeuvrability.

## HANDLE SYSTEM

Integrated dual grips with increased ribbing for a relaxed grip, superior comfort and ease of handling.

Screwless design with modular fit concept.

## BACK END

Greater protection for cables and hoses.

## TRIGGER

Encapsulated trigger extends service life. Thumb rest offers additional comfort.

Thumb rest offers additional comfort.

## MATERIAL

Increased wall thickness improves strength.

## WATER COOLED CONNECTIONS

Improved water hose connector to withstand flexing and bending.

## TRIGGER GUARD

Further reduces the risk of unintentional activation and damage.

## SIDE VENTS

Dual vents for maximum cooling.

## CONTACT TIPS

Smooth wire feed. Force cooling for longer life span.

## CABLES

Hydroflex™ and Hyperflex™ cable systems offer the ultimate in performance. Crimp system ensures guaranteed sealing.

## WATER COOLED HARNESS

Section increased from 12mm to 16mm copper conductor. Outer liner tube now with 25% increase in flexibility.

## NOZZLES

Self insulated.

## MACHINE END SYSTEMS

Extra length cable support. Simple snap fit and spring loaded pins for ease of use.