

WATER COOLED SERIES

AQ-20

TIGZONE®

TORCHES



100
%DC



WØ
0,5
–
3,2
mm

250
A DC

180
A AC

TIGZONE AQ-20 – watercooled TIG-Torch

The Torch

Lightweight and compact torch design and still it provide consistent performance and long-term service with around-the-head water cooling

The End-Connector

Available for all standard welding machines

The Handle

3 Different handle and switch options

The Cable

Super-Flex® cables and Super-Soft® leather remains flexible and ease to handle with a significant cable lifetime

DIN Norm

CE EN 60 974-7

TIGZONE AQ-20 – Torch / Back End Consumables



Torch Front Group

1	Torch Body incl. insulator (10)		
.1	AQ-20		AQ20
.2	AQ-20F	70mm	AQ20F
.3	AQ-20F115	115mm	AQ20F115

2	Backcap		
.1	short		41V33
.2	medium		41V35
.3	long		41V24

Cable Group

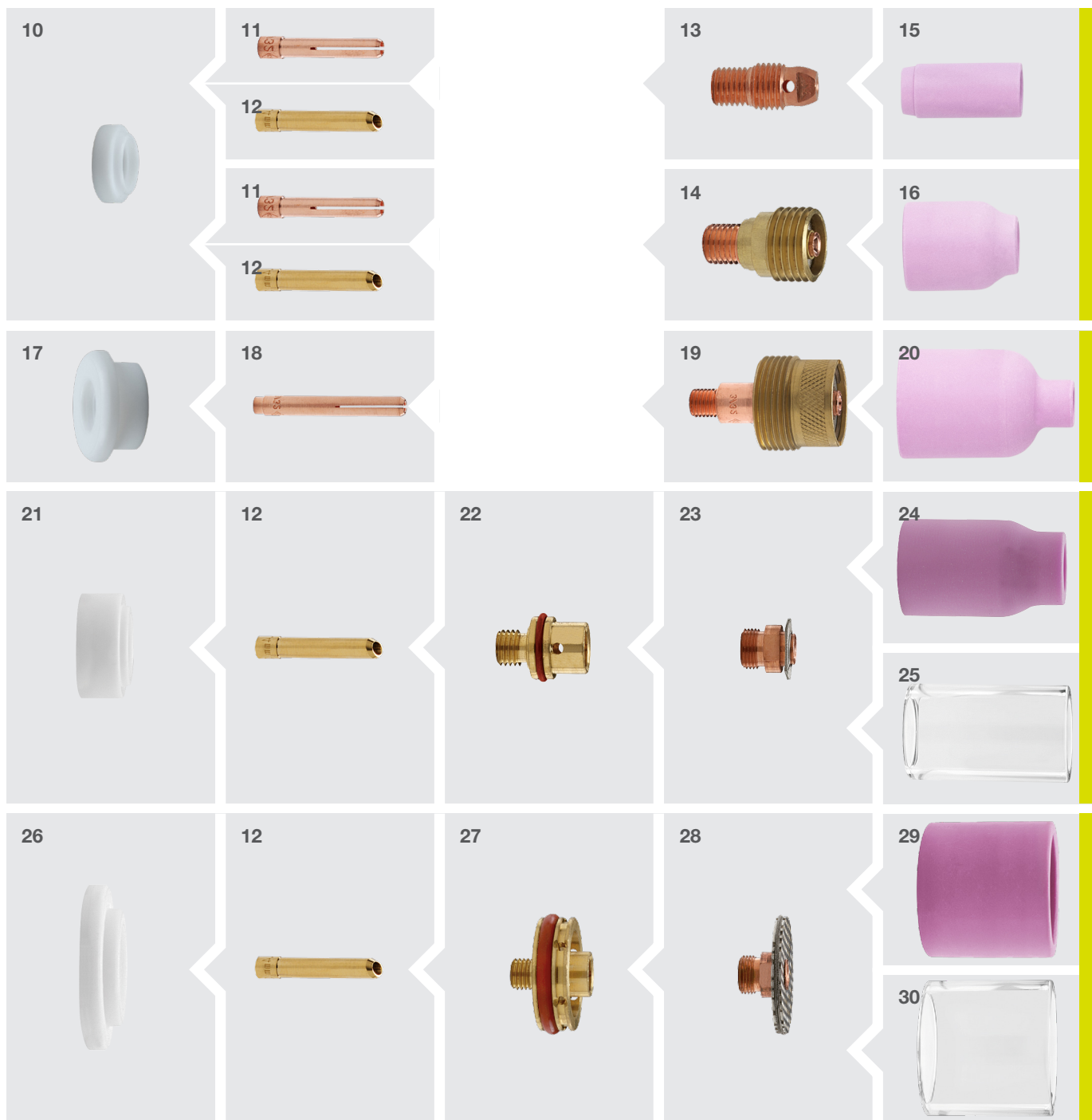
4	Cable cover		
	leather		TZ-1022R-TIG
5	Cable cover		
	25x1.5mm		RS-25
6	Gas Hose		
	4m		45V09R-*
	4m SF		45V09R-SF-*
	8m		45V10R-*
	8m SF		45V10R-SF-*
7	Water Hose		
	4m		45V07R-*
	4m SF		45V07R-SF-*
	8m		45V08R-*
	8m SF		45V08R-SF-*
8	Power Cable		
	4m		G45V03-*
	4m SF		G45V03-SF-*
	8m		G45V04-*
	8m SF		G45V04-SF-*
9	Control		MOQ 100m
	Standard	(3x0.5mm)	LIYY-3x0,5
	U/D Torches	(6x0.25mm)	LIYCY-6x0,25

* Please specify machine connections e.g. 1/4, 3/8 etc.

i Handles

More information regarding our Handles Group on page 2.

TIGZONE AQ-20 – Front End Consumables Overview

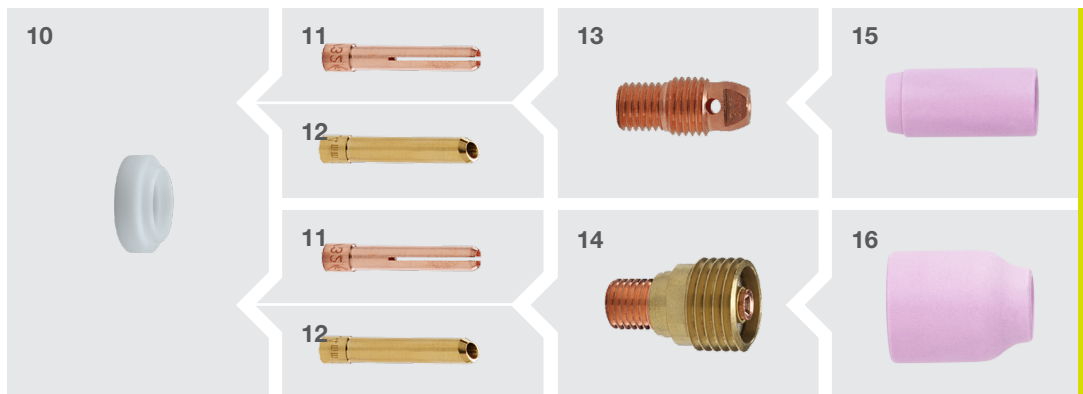


TIGZONE AQ-20 – Front End Consumables

Parts

These parts come in different **ma-terials, variants** and **sizes**.

For additional information see below.



Size	10 Insulator (std.)	11 Collet	12 Collet Wedge	13 Collet Body	14 Gas Lens
Ø .020" (0.5 mm)		13N20	-	13N25	45V41
Ø .040" (1.0 mm)		13N21	2C040GS	13N26	45V42
Ø 1/16" (1.6 mm)	598882	13N22	2C116GS	13N27	45V43
Ø 3/32" (2.4 mm)		13N23	2C332GS	13N28	45V44
Ø 1/8" (3.2 mm)		13N24	2C418GS	13N29	45V45

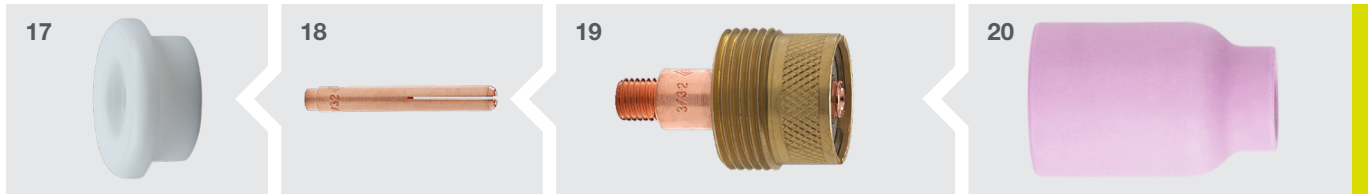
Cup Sizes

Have a look at the different sizes of the same cup.



Size	15 Cup (29,35 mm)	15 Super Cup (Sil.Nitride)	15 Cup L (48 mm)	15 Cup XL (63 mm)	16 Cup (25,40 mm)	16 Super Cup (Sil.Nitride)	16 Cup L (35 mm)	16 Cup XL (72 mm)
#3 Ø 4.75 mm	-	-	A796F70	A796F74	-	-	-	-
#4 Ø 6.35 mm	13N08	13N08SC	A796F71	A796F75	53N58	53N58SC	53N58L	53N58XL
#5 Ø 7.93 mm	13N09	13N09SC	A796F72	A796F76	53N59	53N59SC	53N59L	53N59XL
#6 Ø 9.52 mm	13N10	13N10SC	A796F73	A796F77	53N60	53N60SC	53N60L	53N60XL
#7 Ø 11.11 mm	13N11	13N11SC	-	-	53N61	53N61SC	53N61L	53N61XL
#8 Ø 12.70 mm	13N12	13N12SC	-	-	53N61S	53N61SSC	53N61SL	-
#10 Ø 15.87 mm	13N13	13N13SC	-	-	53N61S-10	-	-	-

TIGZONE AQ-20 – Front End Consumables



Size Ø .020" (0.5 mm) Ø .040" (1.0 mm) Ø 1/16" (1.6 mm) Ø 3/32" (2.4 mm) Ø 1/8" (3.2 mm)	 17 Insulator for large Gaslens 54N63-20	 18 Collet long	 19 Gas Lens L

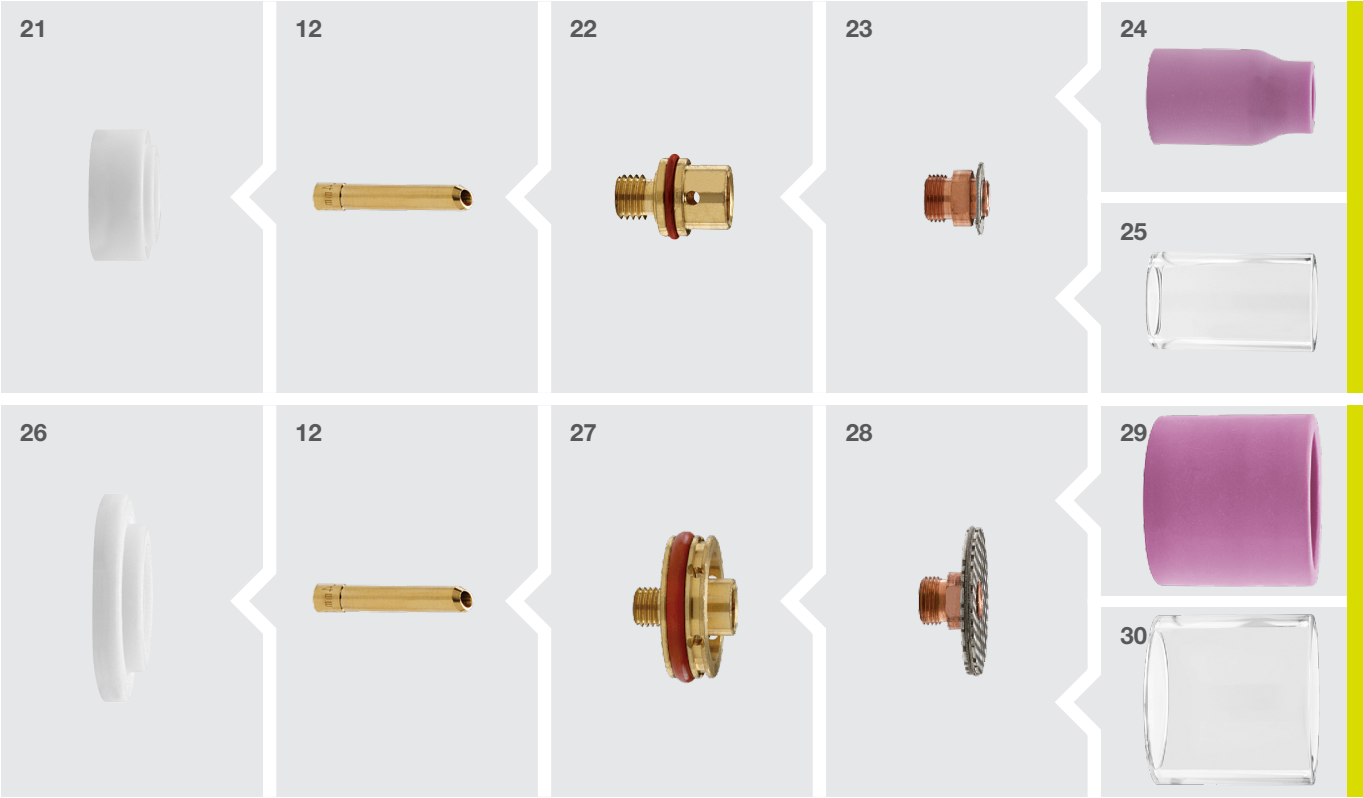
Parts

These parts come in different **materials, variants** and **sizes**.

For additional information see below.

Size #3 Ø 4.75 mm #4 Ø 6.35 mm #5 Ø 7.93 mm #6 Ø 9.52 mm #7 Ø 11.11 mm #8 Ø 12.70 mm #10 Ø 15.87 mm #12 Ø 19.05 mm		 20 Cup LD (47,62 mm)	 20 Super Cup LD (Sil.Nitride)	 20 Cup LD L (70 mm)	 20 Cup LD XL (84 mm)	 20 Cup LD XXL (122 mm)

TIGZONE AQ-20 – Front End Consumables



 21 Insulator Gas Saver Heatshield 2HSGS-1		 12 Collet Wedge	 22 Collet Body Gas Saver	 23 Tungsten Adapter with Screens	 27 Collet Body Gas Saver LD	 28 Tungsten Adapter with Screens
 26 Insulator Gas Saver LD 2HSGSLD	Size Ø .020" (0.5 mm) Ø .040" (1.0 mm) Ø 1/16" (1.6 mm) Ø 3/32" (2.4 mm) Ø 1/8" (3.2 mm)	- 2C040GS 2C116GS 2C332GS 2C418GS	- 2CBGS-1	- TAS040GS TAS116GS TAS332GS TAS418GS	- 2CBGSLD	- TAS040GSLD TAS116GSLD TAS332GSLD TAS418GSLD

	 30 Cup Pyrex LD (32,5 mm)	 29 Cup LD (32,5 mm)	 25 Cup Pyrex (32,5 mm)	 24 Cup (32,50 mm)
Size				
#3	Ø 4.75 mm	-	-	-
#4	Ø 6.35 mm	-	-	2A4GS
#5	Ø 7.93 mm	-	-	2A5GS
#6	Ø 9.52 mm	-	-	2A6GS
#7	Ø 11.11 mm	-	-	2A7GS
#8	Ø 12.70 mm	-	-	2A8GS
#10	Ø 15.87 mm	-	D2P8GS	-
#18	Ø 28.50 mm	2P18GSLD	2A18GSLD	-