

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

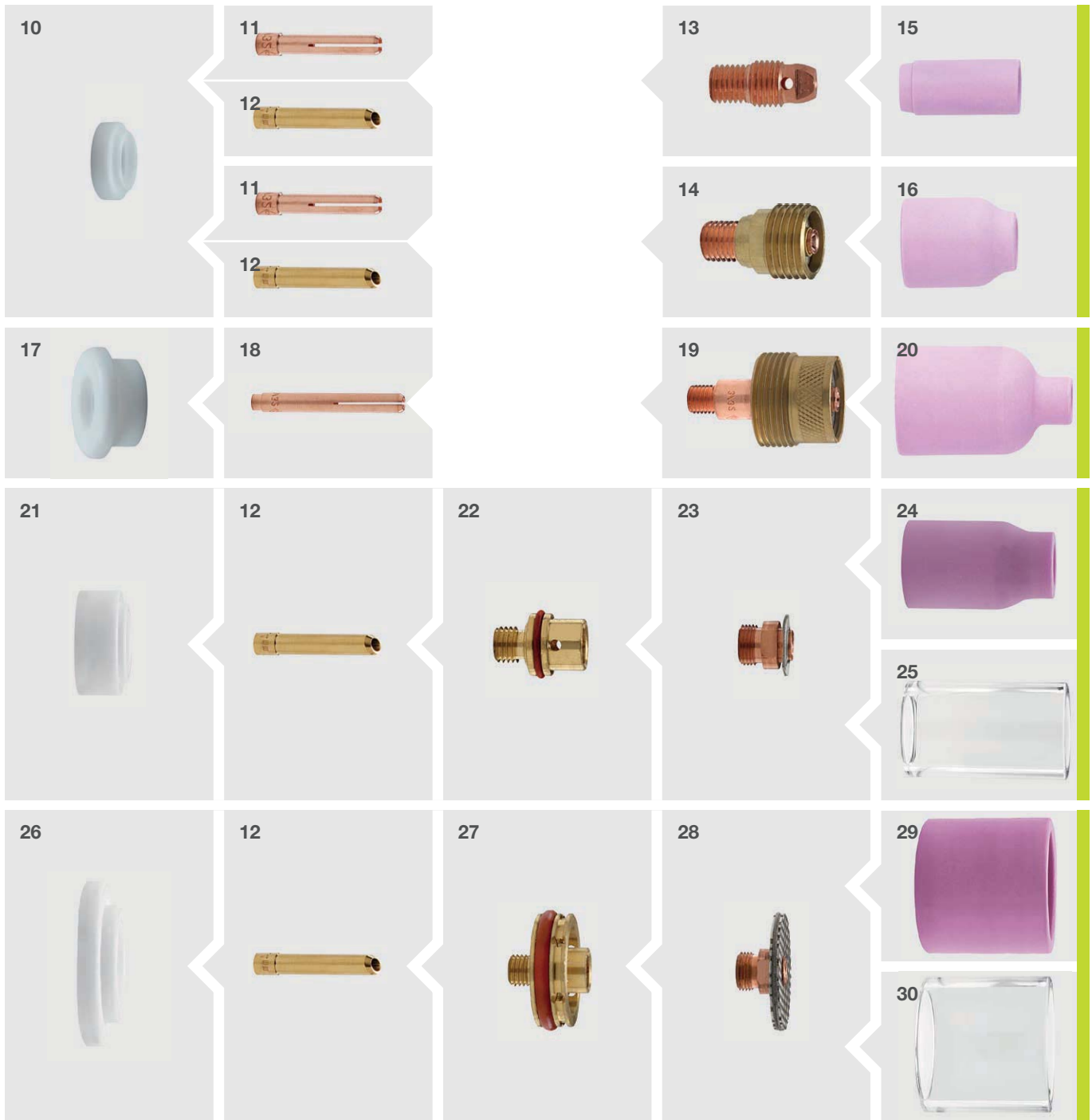
4	Cable cover leather	TZ-1022R-TIG
5	Cable cover 25x1.5mm	RS-25
6	Gas Hose	
	4m	45V09R-*
	4m SF	45V09R-SF-*
	8m	45V10R-*
	8m SF	45V10R-SF-*
7	Water Hose	
	4m	45V07R-*
	4m SF	45V07R-SF-*
	8m	45V08R-*
	8m SF	45V08R-SF-*
8	Power Cable	
	4m	G45V03-*
	4m SF	G45V03-SF-*
	8m	G45V04-*
	8m SF	G45V04-SF-*
9	Control	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

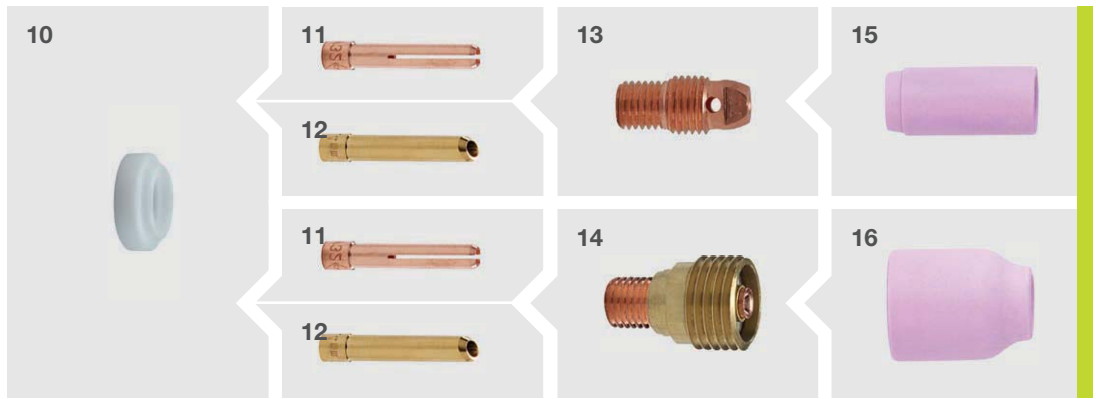


TIGZONE AQ-20 – Front End Consumables

i Parts

These parts come in different **materials, 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

i 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



	17 Insulator for large Gaslens	18 Collet long	19 Gas Lens L
Size			
Ø .020" (0.5 mm)		13N20L	45V0204S
Ø .040" (1.0 mm)		13N21L	45V0204S
Ø 1/16" (1.6 mm)		13N22L	45V116S
Ø 3/32" (2.4 mm)		13N23L	45V64S
Ø 1/8" (3.2 mm)		13N24L	995795S
	54N63-20		

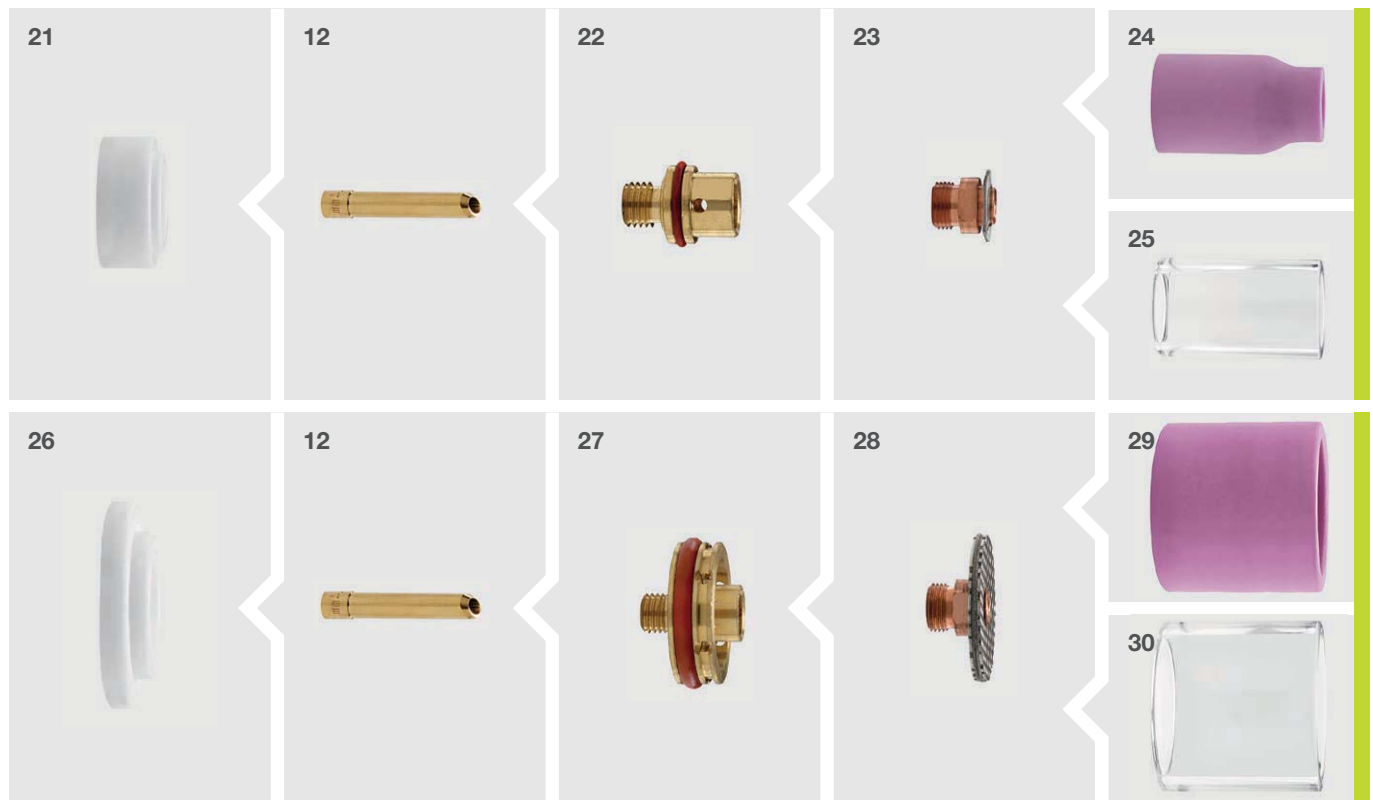
i Parts

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

For additional information see below.

	20 Cup LD (47,62 mm)	20 Super Cup LD (47,62 mm)	20 Cup LD L (69,85 mm)	20 Cup LD XL (82,55 mm)	20 Cup LD XXL (120,65 mm)
Size					
#3 Ø 4.75 mm	-	-	-	-	-
#4 Ø 6.35 mm	-	-	-	-	-
#5 Ø 7.93 mm	-	-	-	-	-
#6 Ø 9.52 mm	57N75	57N75SC	57N75L	57N75XL	57N75XXL
#7 Ø 11.11 mm	-	-	-	-	-
#8 Ø 12.70 mm	57N74	57N74SC	57N74L	57N74XL	57N74XXL
#10 Ø 15.87 mm	53N88	53N88SC	53N88L	53N88XL	53N88XXL
#12 Ø 19.05 mm	53N87	53N87SC	53N87L	53N87XL	53N87XXL

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)	2C040GS	-	TAS040GS	-	TAS040GSLD
	Ø 1/16" (1.6 mm)	2C116GS	2CBGS-1	TAS116GS	2CBGSLD	TAS116GSLD
	Ø 3/32" (2.4 mm)	2C332GS	-	TAS332GS	-	TAS332GSLD
	Ø 1/8" (3.2 mm)	2C418GS	-	TAS418GS	-	TAS418GSLD

				
Size	30 Cup Pyrex LD (32,5 mm)	29 Cup LD (32,5 mm)	25 Cup Pyrex (32,5 mm)	24 Cup (32.50 mm)
#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	-	D2P8GS	2A8GS
#10	Ø 15.87 mm	-	-	-
#18	Ø 28.50 mm	2P18GSLD	2A18GSLD	-