PLASMA

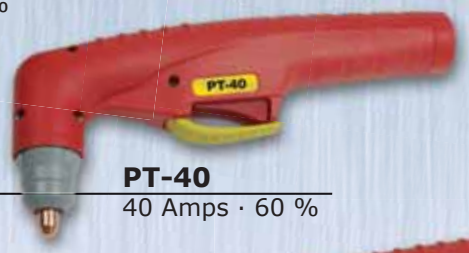
PLASMA

PTorch
Patent Pending

no high frequency

with pilot arc striking

PT-25C
25 Amps · 60 %



PT-40
40 Amps · 60 %

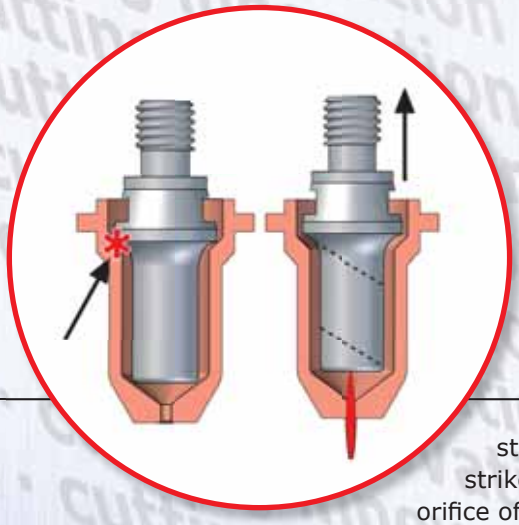
PT-70S
70 Amps · 60 %

PT-100
120 Amps · 60 %

PTM-70S
70 Amps · 60 %

PTM-100
120 Amps · 60 %

PTorch
Patent Pending



NEW PATENTED SYSTEM

Inside non HF plasma torches, the end of the electrode strikes the arc when released from the tip face. The arc strikes close to the hafnium insert of the electrode and the orifice of the tip. This short circuit area becomes damaged during the repeated process of arc iginition causing erosion of the electrode and alters the shape of the tip orifice thus comprimising cut quality and spare parts life.

Thanks to the new patented system, the short circuit strikes on the top side of electrode and tip, with great advantages:
- longer spare parts life.
- better arc strike.
- constant air flow provides concentrated and more stable arc at the tip orifice.
- better cutting quality.

NEW

MECHANICAL SAFETY DEVICE

no high frequency · with pilot arc striking

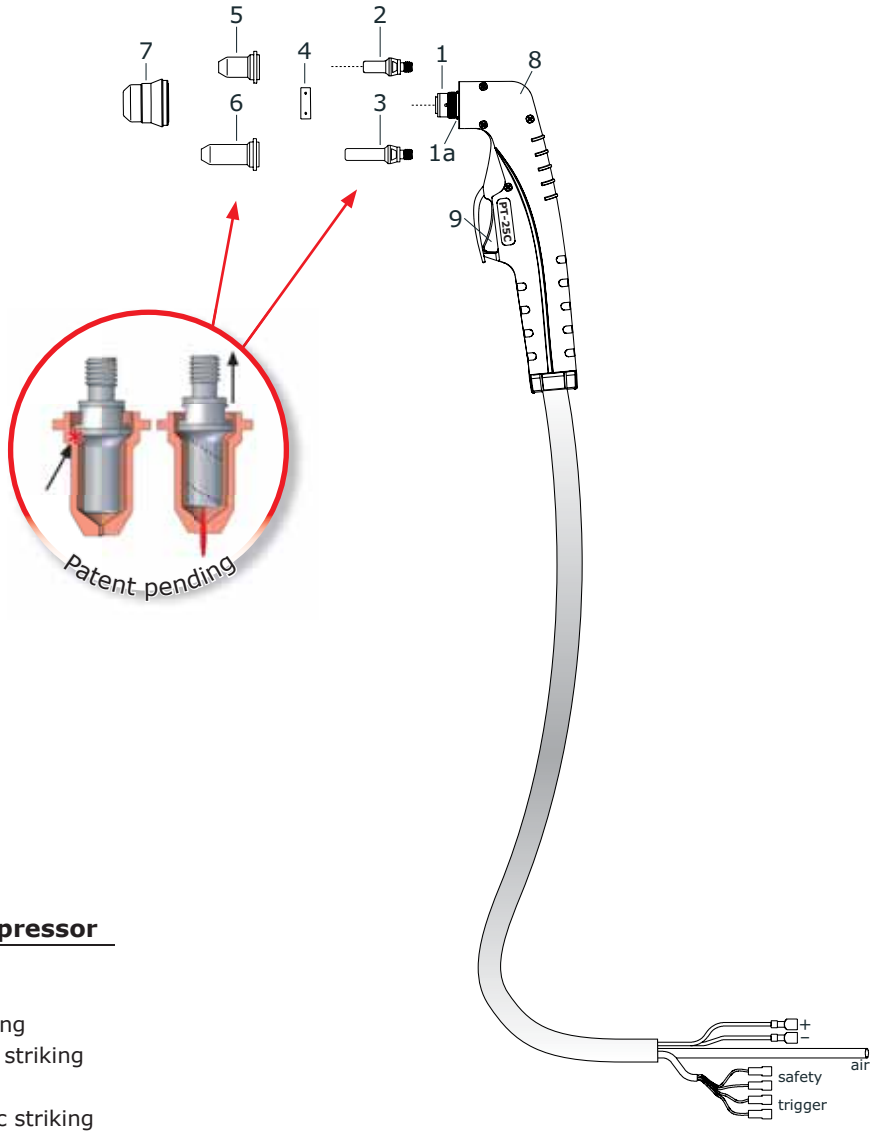
PT-25C

TECHNICAL DATA			
Max current	25 A	**Gas pressure**	3.0 bar
Duty cycle	60 %	**Gas flow**	50 lpm
Gas	Air / N2	**With pilot arc**	

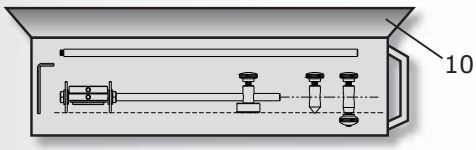
no high frequency

with pilot arc striking

IEC 60974-7



ITEM	CODE	DESCRIPTION
	T3981120	**Hand torch 4 m. - Compressor**
1	R4919102	Torch head
1a	R4929101	O-Ring
2	R4924109	Electrode Hf - back arc striking
3	R4924112	Long electrode Hf - back arc striking
4	R4622101	Air diffuser
5	R4913130	Tip 0,65 (10-20 A) back arc striking
	R4913131	Tip 0,8 (20-30A) back arc striking
6	R4913156	Long tip 0,65 (10-20 A) back arc striking
	R4913157	Long tip 0,8 (20-30 A) back arc striking
7	R4612102	Outside nozzle, 2 holes
8	R4930117	Handle complete
9	R4932102	Trigger
10	R4616100	Circle cutting attachment



PTorch Patent Pending

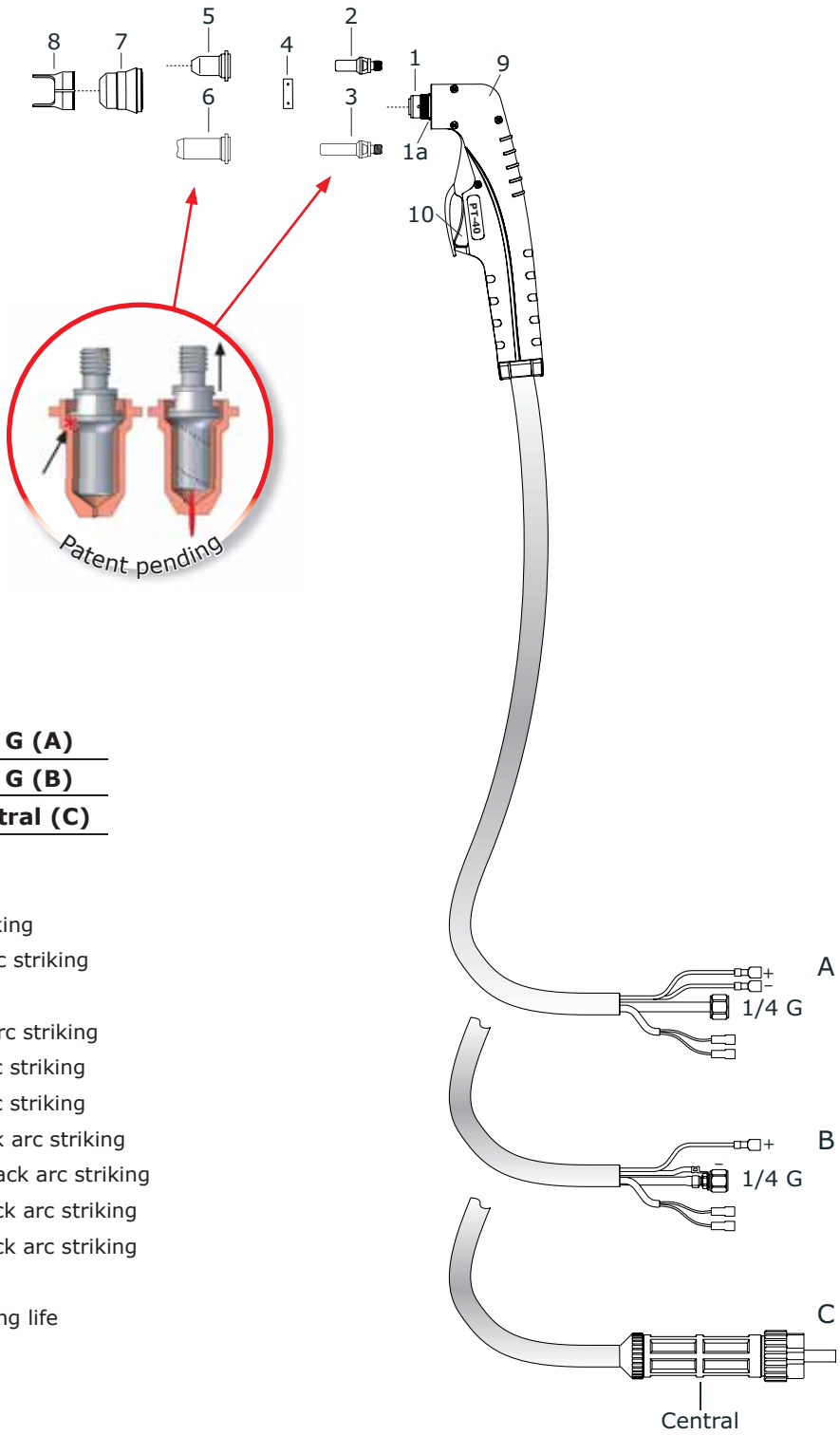
PT-40

TECHNICAL DATA			
Max current	40 A	**Gas pressure**	5.0 bar
Duty cycle	60 %	**Gas flow**	100 lpm
Gas	Air / N2	**With pilot arc**	

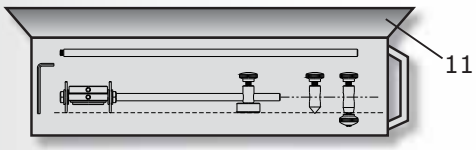
no high frequency

with pilot arc striking

IEC 60974-7



ITEM	CODE	DESCRIPTION
	T3981121	**Hand torch 6 m. - 1/4 G (A)**
	T3981118	**Hand torch 6 m. - 1/4 G (B)**
	T3981117	**Hand torch 6 m. - Central (C)**
1	R4919103	Torch head
1a	R4929101	O-Ring
2	R4924109	Electrode Hf - back arc striking
3	R4924112	Long electrode Hf - back arc striking
4	R4622101	Air diffuser
5	R4913130	Tip 0,65 (10-20 A) back arc striking
	R4913131	Tip 0,8 (20-30 A) back arc striking
	R4913132	Tip 0,9 (30-40 A) back arc striking
	R4913136	Flat tip 1,0 (40-50 A) back arc striking
6	R4913156	Long tip 0,65 (10-20 A) back arc striking
	R4913157	Long tip 0,8 (20-30 A) back arc striking
	R4913158	Long tip 0,9 (30-40 A) back arc striking
7	R4612101	Outside nozzle, 6 holes
	R4612115	Outside nozzle, 6 holes - long life
8	R4923101	Spacer
9	R4930117	Handle complete
10	R4932102	Trigger
11	R4616100	Circle cutting attachment



PTorch Patent Pending

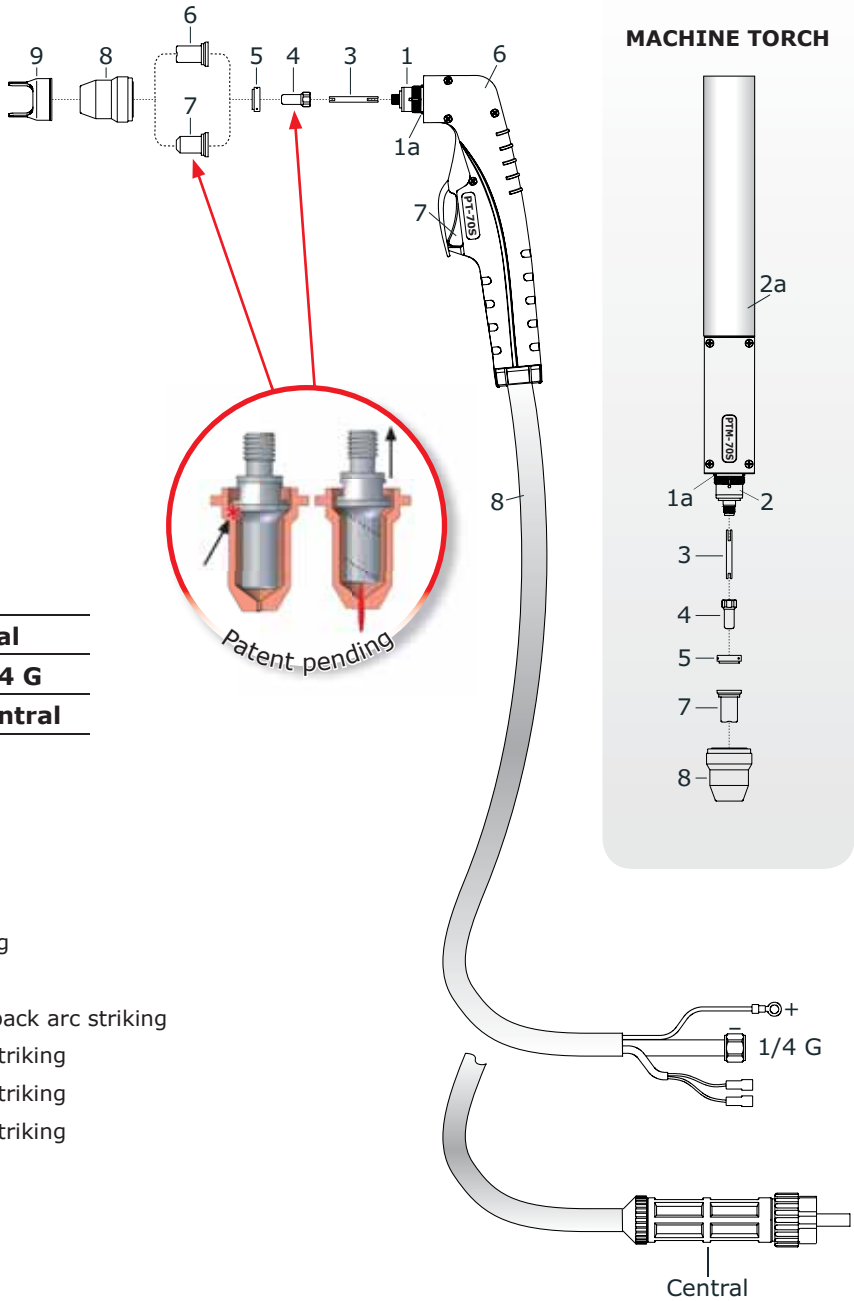
PT-70S
PTM-70S

TECHNICAL DATA			
Max current		**Gas pressure**	5.0 bar
Duty cycle	60 %	**Gas flow**	110 lpm
Gas	Air / N2	**With pilot arc**	

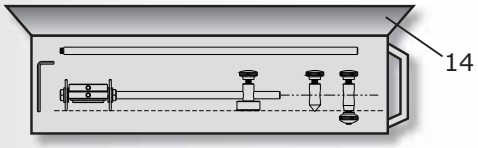
no high frequency

with pilot arc striking

IEC 60974-7



ITEM	CODE	DESCRIPTION
	T3981125	**Hand torch 6 m. - 1/4 G**
	T3981127	**Hand torch 6 m. - Central**
	T4181111	**Machine torch 6 m. - 1/4 G**
	T4181113	**Machine torch 6 m. - Central**
1	R4919107	Hand torch head
1a	R4929101	O-Ring
2	R4920104	Machine torch head
2a	R4930119	Machine handle
3	R4940103	Cooling tube
4	R4924111	Electrode Hf , back arc striking
5	R4922107	Air diffuser
6	R4913150	Tip , contact 0,9 (30-40 A) back arc striking
7	R4913153	Tip 1,0 (40-50 A) back arc striking
	R4913154	Tip 1,1 (50-60 A) back arc striking
	R4913155	Tip 1,2 (60-70 A) back arc striking
8	R4912104	Outside nozzle
9	R4923110	Spacer (to use
10	R4930117	Handle complete
11	R4932102	Trigger
12	R4616106	Circle cutting attachment



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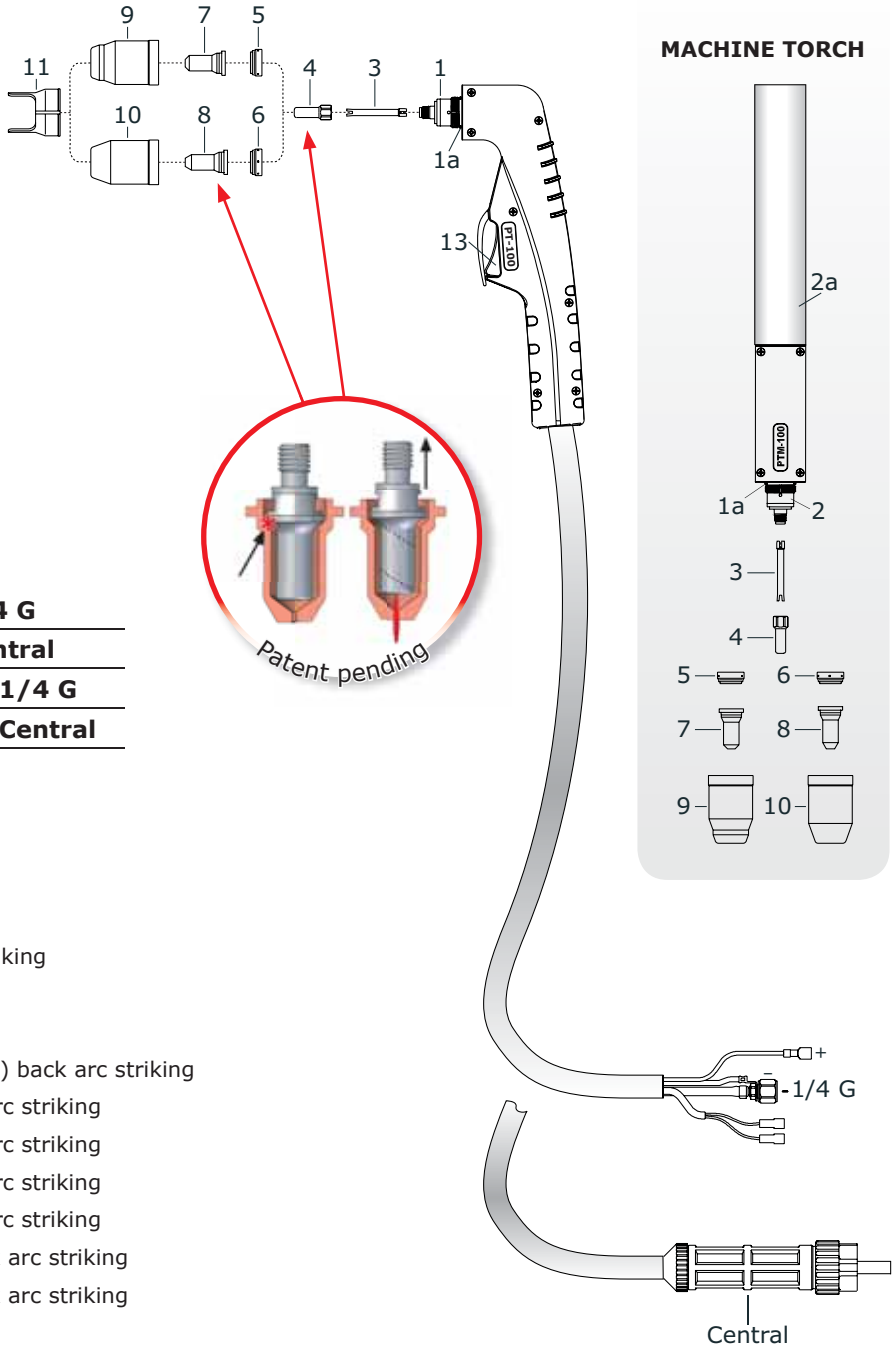
PT-100
PTM-100

TECHNICAL DATA			
Max current	120 A	**Gas pressure**	5.0 bar
Duty cycle	60 %	**Gas flow**	200 lpm
Gas	Air / N2	**With pilot arc**	

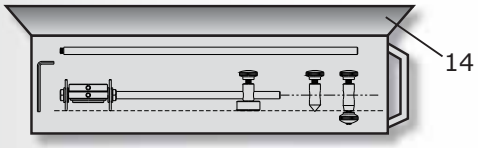
no high frequency

with pilot arc striking

IEC 60974-7



ITEM	CODE	DESCRIPTION
	T3981126	**Hand torch 6 m. - 1/4 G**
	T3981128	**Hand torch 6 m. - Central**
	T4181112	**Machine torch 6 m. - 1/4 G**
	T4181114	**Machine torch 6 m. - Central**
1	R4919110	Hand torch head
1a	R4929105	O-Ring
2	R4920103	Machine torch head
2a	R4930120	Machine handle
3	R4640107	Cooling tube
4	R4924110	Electrode Hf - back arc striking
5	R4622104	Air diffuser (30-70 A)
6	R4622105	Air diffuser (80-120 A)
7	R4913140	Tip contact 0,9 (30-40 A) back arc striking
	R4913141	Tip 1,0 (40-50 A) back arc striking
	R4913142	Tip 1,1 (50-60 A) back arc striking
	R4913146	Tip 1,2 (60-70 A) back arc striking
8	R4913143	Tip 1,4 (80-90 A) back arc striking
	R4913144	Tip 1,5 (100-110 A) back arc striking
	R4313145	Tip 1,6 (110-120 A) back arc striking
9	R4612113	Outside nozzle (30-70 A)
10	R4612114	Outside nozzle (80-120 A)
11	R4923102	Spacer
12	R4930118	Handle complete
13	R4932102	Trigger
14	R4916100	Circle cutting attachment



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