

ESP-150 Plasmarc™ Cutting & Gouging System

This versatile, all encompassed heavy duty water cooled plasma cutting and gouging system is ideal for manual and mechanised applications.

- ✓ Greater productivity - high speed cutting of most metals from gauge thickness to 50mm thick plate
- ✓ Greater variation - adjustable output - 25 to 150 amps
- ✓ Built-In Water Cooler - simplifies maintenance, less hookup, no wiring issues, no extra hoses. Water flow is controlled with power supply
- ✓ Water cooled Torch PT-26
- ✓ Leather sheath wrapped torch - protects torch leads from abrasion and molten metal
- ✓ Cuts with air, nitrogen, argon-hydrogen mixtures or nitrogen-hydrogen mixtures
- ✓ Built-In CNC interface provides easy connection of automation applications
- ✓ Torch design provides perfect electrode centering -provides longer tip life by minimising the possibility of double-arcing
- ✓ Torch spare parts kit supplied with each outfit - ample supply of spare parts at no additional cost to minimise downtime
- ✓ Thermal overload switches - prevents damage if unit overheats due to insufficient air flow
- ✓ Line voltage compensation
- ✓ Automatic intermittent cutting - additional capability, permits continuous cutting of grates, expanded metal, heavy screen material etc.
- ✓ Wheels and cylinder rack - all provided standard at no additional cost for portability and greater utilization
- ✓ Ideal for plasma gouging



Technical Data		ESP-150
Input Voltage		230/460/575V 60Hz 3-ph 220/380/415V 50Hz 3-ph
Input Current		112/56/45A 60Hz 3-ph 121/70/64A 50Hz 3-Ph
Duty Cycle at	90%	150A
	100%	140A
Max. OCV		370Vdc
Weight		308kg
Dimensions (LxWxH)		1016 x 552 x 800mm

Recommended Plasma Torch & Accessories

PT-26 Plasma Torch	Refer to page 70 for torch parts
Remote Hand Switch	Permits remote starting and stopping of cutting process; used primarily for mechanized cutting
Plasma Flow Measuring Kit	This valuable troubleshooting tool allows measurement of the actual plasma gas flow through the torch
Plasma Torch Head Protector	For gouging

Ordering Information

ESP-150 Cutting Packages: 230/460/575V, 60Hz 3Ph

ESP-150, PT-26 90° Air 7.6m	0558 002 911
ESP-150, PT-26 90° Air 15m	0558 002 912
ESP-150, PT-26 Inline/Air 7.6m	0558 002 913
ESP-150, PT-26 Inline/Air 15m	0558 002 914
ESP-150, PT-26 90° Ar+H ₂ Mix 7.6m	0558 002 917
ESP-150, PT-26 90° Ar+H ₂ Mix 15m	0558 002 918
ESP-150, PT-26 Inline/Ar+H ₂ Mix 7.6m	0558 002 919
ESP-150, PT-26 Inline/Ar+H ₂ Mix 15m	0558 002 920

ESP-150 : CE Model 220/380/415V, 50Hz 3-Ph

ESP-150, PT-26 90° Air 7.6m	0558 003 474
ESP-150, PT-26 90° Air 15m	0558 003 475
ESP-150, PT-26 Inline/Air 7.6m	0558 003 476
ESP-150, PT-26 Inline/Air 15m	0558 003 477
ESP-150, PT-26 90° Ar+H ₂ Mix 7.6m	0558 003 480
ESP-150, PT-26 90° Ar+H ₂ Mix 15m	0558 003 481
ESP-150, PT-26 Inline/Ar+H ₂ Mix 7.6m	0558 003 482
ESP-150, PT-26 Inline/Ar+H ₂ Mix 15m	0558 003 483

Optional Accessories

PT-26 Spare Parts Kit 150A	0558 002 864
Remote Hand Switch	2075600
Plasma Flow Measuring Kit	19765
Plasma Torch Head Protector	20806

The ESP-150 plasmarc cutting system comes in fully assembled. Just hook up the air and cut!
 Supplied with everything you need to cut: PT-26 torch with leather sheath, torch spare parts kit, 7.6m or 15m work cable, TR-21 truck with dual cylinder rack, regulators, gas hoses and torch coolant. Suitable mains plug and input lead required.

PT-26 Plasmarc™ Torch

This versatile, easy-to-use 300A torch provides superior performance for a full range of manual cutting applications.

- ✓ Excellent cutting capability - cuts up to 90mm and severs 100mm using air, nitrogen or argon-hydrogen at 300A
- ✓ Produces clean, high quality cuts
- ✓ Patent pending safety circuit for enhanced operator safety
- ✓ Operates with shop or cylinder air, nitrogen or argon-hydrogen at 300A
- ✓ Long life electrodes lower operating costs
- ✓ Pilot arc starting - even starts on paint
- ✓ Gouging nozzle available
- ✓ Intermittent cutting capacity for grate or expanded metal applications
- ✓ Gouging guard and stand-off guide available for operator convenience

Technical Data PT-26

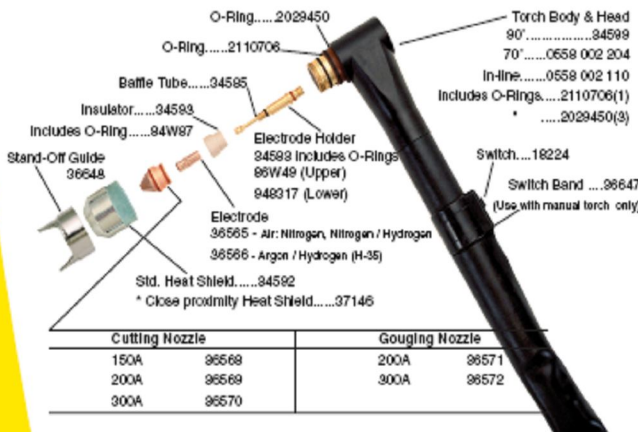
Current Capacity	200A DCSP at 100% duty cycle 300A DCSP at 60% duty cycle
Maximum Rated Current	300A DCSP
Approved Service Gases	
Plasma	Air, N ₂ , H-35, N ₂ /H ₂ Mixture
Cooling	Air, N ₂ , CO ₂ , Ar
Min. Gas Supply Flow Requirements	
Shield	200cfh at 85psig (94 l/min. at 6.0Bar)
Plasma	240cfh at 80psig (112 l/min. at 5.6Bar)
Length of Service Lines	7.6m or 15m
Weight	7.6m - 7.3kg / 15m - 12.7kg
Min. /Max. Inlet Gas Pressure	40psig (2.8 Bar) 100psig (6.9 Bar)
Min. Water Supply Flow	3.4 l/min at 6.6 Bar
Max. Water Inlet Pressure	120psig (8.3 Bar)
Max. Water Temperature	40°C

Consoles

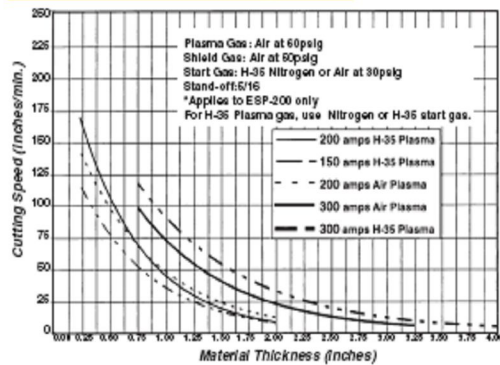
ESP-150, ESP-200 and Deuce Pack 150

Ordering Information

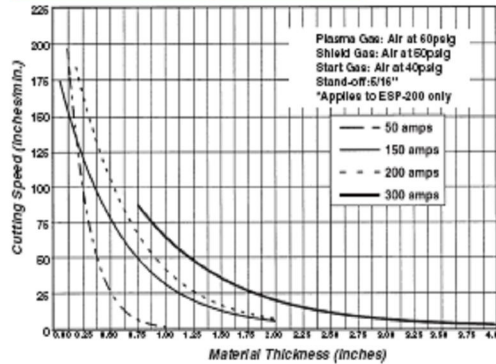
PT-26, 90° Torch Head 7.6m	36558
PT-26, 90° Torch Head 15m	36559
PT-26, in-line 7.6m	0558 002 320
PT-26, in-line 15m	0558 002 321



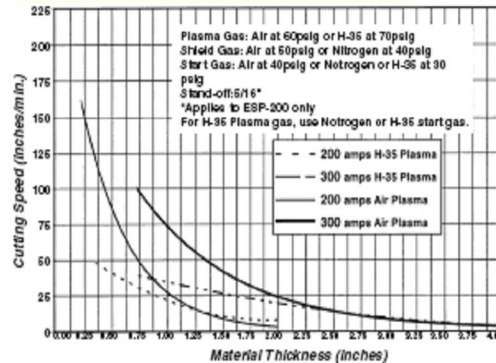
PT-26 Aluminium Cutting Data



PT-26 Steel Cutting Data



PT-26 Stainless Steel Cutting Data



Heat Shield
70/100A.....21926
50A.....21447