



DEUCE PACK 150 PLASMARC™ CUTTING & GOUGING SYSTEM

DEUCE PACK 150 Plasmarc™ System

With 300 amps of plasma cutting and gouging power, this heavy duty system is the ideal choice for foundries, mining, logging equipment repair and other industrial applications.

- *Handles even the heaviest materials with the capacity to cut up to 4 in. (101.6 mm) manually; consult torch literature for mechanized cutting performance*
- *Eliminates carbon arc fumes with excellent plasma gouging capacity—removes up to 77 lbs. (35 kg) of metal an hour*
- *For exceptional versatility, separates into two 150 amp consoles for smaller scale applications*
- *Adjustable output down to 30 amps facilitates cutting of thinner metals*
- *Equipped with the compact, water-cooled PT-26 torch (smaller than torches used with comparable systems) to ensure operator comfort*
- *Three-year warranty on console*



Contents of DEUCE PACK 150 Package

The DEUCE PACK 150 package includes two 150 amp consoles, torch, coolant circulator built into ESP-150 console, spare parts kit, regulator, gas hoses, work cable, water hose.

TR-21 Wheel Kit is optional 680794
 Torch Coolant is optional 156F05

Specifications

Cuts 4 in. (101.6 mm)
 Gouging: Removes 56 lbs. (25.4 kg)/hr. carbon steel; 77 lbs. (35 kg)/hr. stainless steel
 Capacity: 300 amps @ 90% duty cycle
 Input Current and Input Voltage at
 Rated Load 224/112/90 amps, 230/460/575 vac, 60 Hz, 3 Ph
 Output Rating
 90% duty cycle 300 amps @ 120 v
 100% duty cycle 280 amps @ 120 v
 Open Circuit Voltage 370 vdc
 Weight 1320 lbs.(600 kg)

PT-26 Torch

Voltage Class "M" (EN 50078)
 Current Capacity (All Service Gases and Pressures)
 100% duty cycle 200 A DCSP
 60% duty cycle 300 A DCSP
 Maximum Rated Current 300 A DCSP
 Approved Service Gases:
 Plasma Air, N₂, H-35, N₂/H₂ Mixtures
 Shield Air, N₂, CO₂, Ar
 Min. Gas Supply Flow Requirements:
 Shield 200 cfm @ 85 psig (94 l/min. @ 6.0 BAR)
 Plasma 240 cfm @ 80 psig (112 l/min. @ 5.6 BAR)
 Length of Service Lines: 25 ft. (7.6 m) or 50 ft. (15.2 m)
 Weight 25 ft. (7.6 m) - 16 lbs. (7.3 kg)
 50 ft. (15.2 m) - 28 lbs. (12.7 kg)
 Max. Allowable Inlet Gas Pressure 100 psig (7 BAR)
 Min. Allowable Inlet Gas Pressure 40 psig (2.8 BAR)
 Min. Water Supply Flow Requirements
 0.9 gpm @ 95 psig (3.4 l/min @ 6.6 BAR)
 Max. Water Inlet Pressure 120 psig (8.3 BAR)
 Max. Water Supply Temperature 105° F (40° C)

PT-19XLS Torch See torch page for specifications

Ordering Information

DEUCE PACK 150/PT-26 50 ft. (15.2m) ESP-150/ESP-150
 230/460/575 V 0588000981
 DEUCE PACK 150/PT-26 50 ft. (15.2m) ESP-150/ESP-150
 400 V "CE" 0588001011
 DEUCE PACK 150/PT-19XLS 50 ft. (15.2m) ESP-150/ESP-150
 400 V "CE" 50Hz 0588001018
 DEUCE PACK 150/PT-19XLS 50 ft. (15.2m) ESP-150/ESP-150
 230/460/575V 60Hz 0588001019
 DEUCE PACK 150/PT-26 50 ft. (15.2m) Inline ESP-150/ESP-150
 400 V "CE" 50Hz 0588001064
 DEUCE PACK 150/PT-26 50 ft. (15.2m) Inline ESP-150/ESP-150
 230/460/575 V 60Hz 0588001166

Note: "CE" Items are used outside North America



Instruction Literature, order numbers

DEUCE PACK 150 F-15-201
 PT-26 order number F-15-345
 Sales Literature, order number PAC-21038



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Optional Accessories

Plasma Flow Measuring Kit

This valuable troubleshooting tool allows measurement of the actual plasma gas flow through the torch 19765

Plasmit Torch Head Protector

For gouging 20806

Leather Sheath

For service line protection, 10 ft. (3.1 m) length 20812

Contents of PT-26 Spare Parts Kit

(P/N 36821)

Description	P/N	Qty
Electrode Air/N ₂	36565	3
Electrode H-35	36566	3
Nozzle 50A	36567	3
Nozzle 150A	36568	3
Nozzle 200A	36569	3
Nozzle 300A	36570	3
Nozzle Gouging 200A	36571	1
Nozzle Gouging 300A	36572	1
Wrench	19129	1
Heat Shield	34592	1
Stand-Off Guide	36648	1

Contents of PT-19XLS Spare Parts Kit

(P/N 37307)

Description	P/N	Qty
Shield 50 amp	21795	2
Shield 100-250 amp	21802	4
Heat Shield 50 amp	34885	2
Shld retainer PT-19XLS/PT-600	37081	2
Heat shield PT-251/PT-19XLS	948186	2
Diffuser 50 amp	21796	2
Diffuser 100-360 amp PT-Torch	21944	4
Nozzle Tip 50a	22026	5
Nozzle Base 50a	22027	2
Nozzle Base 100-400a	22028	2
Nozzle Tip 150a	22030	5
Electrode 600a Tung	22403	4
Electrode Long PT-19XLS/15XLS	34086XL	4
Baffle Gas Std 8 x .047	35660	2
Electrode Holder	37068	1
Screw, Contact Ring	37073	4
Nozzle Retaining Cup	37082	1
Front, Insulator Body	37083	1
Gasket	37308	2
Tool Elect Holder	37110	1
Contact Ring Assy. Radial Flow	0558003858	1
O-ring 1.301 id x .070	2064106	5
O-ring .468 id x .070	86W85	10
O-ring .364 x .070	86W99	20
O-ring .176 id x .050	951000	30
O-ring .145 id x .070	996526	5
O-ring 1.614 id x .070	996528	20
Baffle PT-15XLS/PT-19XLS Alumina	948142	2
Lubricant Silicone, 1/4 oz.	17672	1
Hex Nut Driver pt-15	996568	1
Wrench Hex Key Short-Arm 0.062	93750006	1
Wrench Hex Key 0.109	93750010	1

ESP
Mechanized