

Deuce Pack 150



- With 300A 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
- 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 150A consoles for smaller scale applications
- Adjustable output down to 30A facilitates cutting of thinner metals
- Built-in water cooler simplifies maintenance, less hookup, no wiring issues, no extra hoses, and water flow is controlled with power supply
- 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 minimizing the possibility of double-arcing
- Torch spare parts kit supplied with each outfit; ample supply of spare parts at no additional cost to minimize 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.
- One-year warranty on torch



Ordering Information

Includes: two ESP-150 consoles, torch, coolant circulator built into the console, spare parts kit, regulator, gas hoses, work cable, and water hose.

Deuce Pack Packages, 230/460/575V, 3ph, 60Hz

Deuce Pack 150, PT-26, 50 ft. (15.2 m) 0588000981
Deuce Pack 150, PT-19XLS, 50 ft. (15.2 m) 0588001019
Deuce Pack 150, PT-26, 50 ft. (15.2 m) in-line . 0588001166

Deuce Pack Packages, 400V, 3ph, 50Hz, "CE"

Deuce Pack 150, PT-26, 50 ft. (15.2 m) 0588001011
Deuce Pack 150, PT-19XLS, 50 ft. (15.2 m) 0588001018
Deuce Pack 150, PT-26, 50 ft. (15.2 m) in-line . 0588001064

For use in regions that require "CE" such as Europe, Russia, and Australia.

Options & Accessories

Plasma flow measuring kit 0558000739
Plasmit torch head protector 20806
Leather sheath, 10 ft. (3 m) length 20812
TR-21 wheel kit 680794
Torch coolant 0560950312

Deuce Pack 150



Specifications

Deuce Pack 150 System	
Cuts, in. (mm)	4 (101.6)
Gouging, lbs/hr (kg/hr)	56 (25.4) CS 77 (35) SS
Capacity	300A @ 90% duty cycle
Output	300A @ 90% duty cycle 280A @ 100% duty cycle
Open circuit voltage	370 VDC
Input	230/460/575V, 3ph, 60Hz, 224/112/90A
Weight, lbs. (kg)	1320 (600)
Current capacity (all service gases / pressures)	200A @ 100% duty cycle DCSP 300A @ 60% duty cycle DCSP
Max. rated current	300A DCSP
Approved service gases: Plasma Shield	Air, N ₂ , H-35, N ₂ /H ₂ Mixtures Air, N ₂ , CO ₂ , Ar
Min. gas supply flow requirements, cfh @ psig (L/min @ bar): Plasma Shield	240 @ 80 (112 @ 5.6) 200 @ 80 (94 @ 6.0)
Length of service leads, ft. (m)	25 (7.6) 50 (15.2)
Weight of service leads, ft.-lbs. (m-kg)	25 - 16 (7.6-7.3) 50 -28 (15.2-12.7)
Max. allowable inlet gas pressure, psig (bar)	100 (7)
Min. allowable inlet gas pressure, psig (bar)	40 (2.8)
Min. water supply flow requirements, gpm @ psig (L/min @ bar)	0.9 @ 95 (3.4 @ 6.6)
Max. water inlet pressure, psig (bar)	120 psig (8.3 bar)
Max. water supply temperature, °F (°C)	105 (40)

Plasma Gouging Metal Removal Rates

Deuce Pack 150	Metal Removal Rate, lbs/hr (kg/hr)	Groove Width/Depth, in. (mm)	IPM (m/min)	Comparable CAG Electrode, in. (mm)
Mild Steel	107 (48.5)	.562/.280 (14.3/7.1)	60 (1.5)	5/8 (15.9) Carbon
Stainless Steel	110 (49.8)	.625/.350 (15.9/8.9)	60 (1.5)	5/8 (15.9) Carbon
Aluminum	45 (20.4)	.680/.350 (17.3/8.9)	60 (1.5)	5/8 (15.9) Carbon

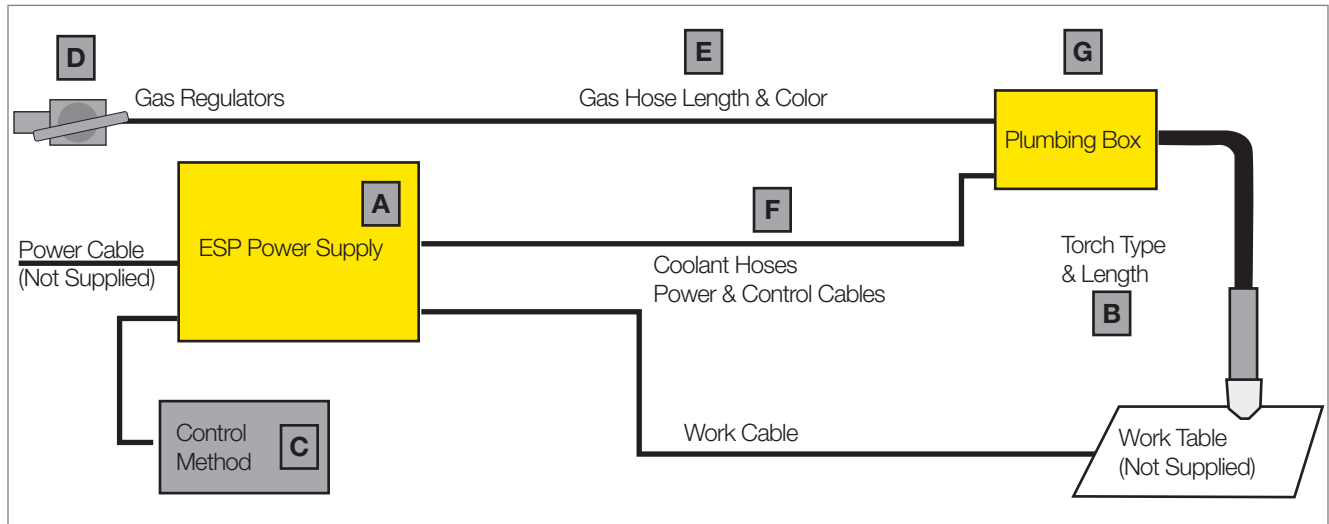
ESP-150 & Deuce Pack 150



Customized ESP-150 and Deuce Pack mechanized and manual plasma systems are available. Multiple power supplies, torch types and lengths, gas regulation options, and hose and cable lengths are offered, which allows the system to be customized to meet the precise needs of a particular application. The large number of options also allows these systems to be extremely versatile.

Contact your ESAB Sales representative or ESAB's Plasma Product Management team to have a custom system configured to your exact specifications.

Refer to the options and accessories shown below when ordering or calling for a quote. Choice of power supply and torch will effect the package options available.



A ESP Console

ESP-150

230/460/575V	0558002677
220/380/415V CE	0558002713

B Torch Type & Torch Length

PT-26

70°, 25 ft. (7.6 m)	0558002208
70°, 50 ft. (15 m)	0558002209
90°, 25 ft. (7.6 m)	36558
90°, 50 ft. (15.2 m)	36559

PT-26SL

17 ft. (5.2 m)	0558005620
25 ft. (7.6 m)	0558005621
50 ft. (15.2 m)	0558005622

Start Up Kit, PT-26

150A	0558002864
200-300A	36821

PT-19XLS

4.5 ft. (1.4 m)	37086
6 ft. (1.8 m)	37087
12 ft. (3.7 m)	37088
15 ft. (4.6 m)	37089
17 ft. (5.2 m)	37090
20 ft. (6.1 m)	37091
25 ft. (7.6 m)	37092
50 ft. (15.2 m)	37093

Deuce Pack

230/460/575V	0588001333
220/380/415V CE	0588001336

Start Up Kit, PT-19XLS

150A	0558004765
PT-19XLS	37307
Repair & accessories kit	0558004778

PT-36R

4.5 ft. (1.4 m)	0558006811
6 ft. (1.8 m)	0558006812
12 ft. (3.7 m)	0558006813
15 ft. (4.6 m)	0558006815
17 ft. (5.2 m)	0558006816
25 ft. (7.6 m)	0558006817
Bevel torch, 14 ft. (4.3 m)	0558006814

Start Up Kit, PT-36

150-200A	0558005222
300A	0558007537
Repair & accessories kit	0558005225



C Control Methods

Hand Switches

25 ft. (7.6 m)	2075600
50 ft. (15.2 m)	0558004781

CNC Cables

30 ft. (9 m)	57002248
50 ft. (15.2 m)	57002249
75 ft. (23 m)	57002250
100 ft. (30.5 m)	57002251
160 ft. (48.7 m)	57002252

Torch Switch Extension Cables

25 ft. (7.6 m)	0558007530
50 ft. (15.2 m)	0558007531
75 ft. (23 m)	0558007532
100 ft. (30.5 m)	0558007533
125 ft. (38 m)	0558007534

D Gas Regulators

Air regulator assembly	0558003242
Multi-gas regulator assembly	0558004777
N ₂ Oxweld Elite Series cylinder regulator	0558010681
H-35 Oxweld Elite Series cylinder regulator	0558010679

E Gas Hose Length Optional Plasma Gas Hose Color

Black

25 ft. (7.6 m)	33122
50 ft. (15.2 m)	33123
75 ft. (23 m)	33124
100 ft. (30.5 m)	33125
125 ft. (38 m)	33126

Green

25 ft. (7.6 m)	33117
50 ft. (15.2 m)	33118
75 ft. (23 m)	33119
100 ft. (30.5 m)	33120
125 ft. (38 m)	33121

Blue

25 ft. (7.6 m)	0558002973
50 ft. (15.2 m)	0558002974
75 ft. (23 m)	0558002975
100 ft. (30.5 m)	0558002976
125 ft. (38 m)	0558002977

F Coolant Hoses Power & Control Cables

Coolant Hoses

25 ft. (7.6 m)	33132
50 ft. (15.2 m)	33133
75 ft. (23 m)	33134
100 ft. (30.5 m)	33135
125 ft. (38 m)	33136

Control Cables, Console to PB

25 ft. (7.6 m)	22264
50 ft. (15.2 m)	22265
75 ft. (23 m)	22266
100 ft. (30.5 m)	22267
125 ft. (38 m)	22268

Pilot Arc Cables

25 ft. (7.6 m)	33303
50 ft. (15.2 m)	33304
75 ft. (23 m)	33305
100 ft. (30.5 m)	33306
125 ft. (38 m)	33307

Power Cables

25 ft. (7.6 m)	22001
50 ft. (15.2 m)	22002
75 ft. (22.9 m)	22003
100 ft. (30.5 m)	22004
125 ft. (38.1 m)	22005

All cables must be the same length.

G

Plumbing box PCC-14	0558005840
---------------------------	------------

Coolant

25% PG torch coolant	0558004297
50% EG torch coolant	0560950312

Work Cables

25 ft. (7.6 m)	678723
50 ft. (15.2 m)	678724
Handheld speedloader	0558006164
Pilot arc adaptor	999278
Adaptor B/ACETF B/I-F	19X54
Adaptor B/A-W*M 1/4 NPTM old	10Z30