



Maintenance log for Hypertherm plasma systems

Daily tasks	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Test inlet pressures																																
Examine all air filters																																
Check coolant level and condition																																
Examine and lubricate o-rings																																
Examine the water tube and torch																																
Weekly tasks	Week beginning:		Week beginning:		Week beginning:		Week beginning:		Week beginning:		Week beginning:		Week beginning:		Week beginning:		Week beginning:		Week beginning:		Week beginning:		Week beginning:		Week beginning:		Week beginning:		Week beginning:			
	/		/		/		/		/		/		/		/		/		/		/		/		/		/		/			
Examine hoses and torch leads																																
Test for gas leaks																																
Check coolant flow																																
Check coolant level																																
Monthly tasks																																
<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;"> <p>00000000</p> <p>JANUARY</p> <div style="border: 1px solid black; width: 100%; height: 100%;"></div> </div> <div style="text-align: center;"> <p>00000000</p> <p>FEBRUARY</p> <div style="border: 1px solid black; width: 100%; height: 100%;"></div> </div> <div style="text-align: center;"> <p>00000000</p> <p>MARCH</p> <div style="border: 1px solid black; width: 100%; height: 100%;"></div> </div> <div style="text-align: center;"> <p>00000000</p> <p>APRIL</p> <div style="border: 1px solid black; width: 100%; height: 100%;"></div> </div> <div style="text-align: center;"> <p>00000000</p> <p>MAY</p> <div style="border: 1px solid black; width: 100%; height: 100%;"></div> </div> <div style="text-align: center;"> <p>00000000</p> <p>JUNE</p> <div style="border: 1px solid black; width: 100%; height: 100%;"></div> </div> <div style="text-align: center;"> <p>00000000</p> <p>JULY</p> <div style="border: 1px solid black; width: 100%; height: 100%;"></div> </div> <div style="text-align: center;"> <p>00000000</p> <p>AUGUST</p> <div style="border: 1px solid black; width: 100%; height: 100%;"></div> </div> <div style="text-align: center;"> <p>00000000</p> <p>SEPTEMBER</p> <div style="border: 1px solid black; width: 100%; height: 100%;"></div> </div> <div style="text-align: center;"> <p>00000000</p> <p>OCTOBER</p> <div style="border: 1px solid black; width: 100%; height: 100%;"></div> </div> <div style="text-align: center;"> <p>00000000</p> <p>NOVEMBER</p> <div style="border: 1px solid black; width: 100%; height: 100%;"></div> </div> <div style="text-align: center;"> <p>00000000</p> <p>DECEMBER</p> <div style="border: 1px solid black; width: 100%; height: 100%;"></div> </div> </div>																																
check the month:																																
Clean inside the power supply			Notes:																													
Examine the coolant system																																
Examine the main contactor																																
Examine the pilot arc relay																																
Test coolant flow																																
Examine the gas line connections																																
Examine the hoses																																
Examine the cables																																
Examine the ground connections																																
Examine the table-to-workpiece connection																																

Hypertherm Preventive Maintenance

Proper care of your Hypertherm power supply can keep it running at maximum efficiency and:

- Extend consumable life
- Lower operating costs
- Minimize unplanned downtime
- Lengthen system life

Want to reduce operating costs and keep your system cutting at its best?

All it takes is a bit of common-sense preventive maintenance.

Learn more at www.hypertherm.com/preventivemaintenance

Torch and electronics Preventive Maintenance kits

Hypertherm preventive maintenance kits take the guess work out of your power supply maintenance. Our kits include the common wear parts and are less expensive than buying maintenance parts separately.

Our preventive maintenance kits include:

Torch maintenance kit

- Air and coolant filters
- Bullet plugs
- O-rings
- O-ring lubricant
- Water tubes

Electronics kit

- Main contactor
- Relay
- Quick-disconnect torch



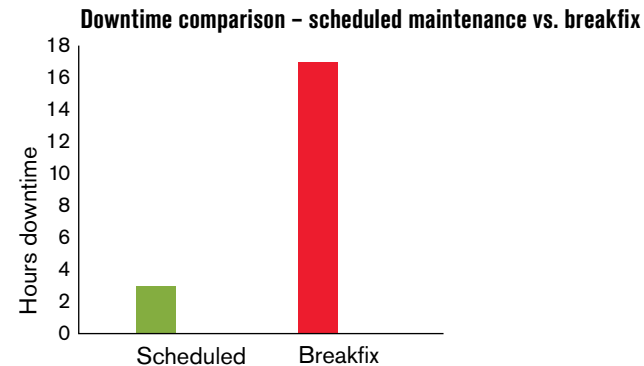
	Item number	Description	Recommended service cumulative arc hours
XPR™	428639	XPR torch rebuild and filter kit without coolant	500
	428640	XPR torch rebuild and filter kit with coolant	500
	428878	XPR170 electronics PM kit, (200–240 V)	1000
	428879	XPR170 electronics PM kit, (380–600 V)	1000
	428641	XPR300 electronics PM kit, (200–240 V)	1000
	428642	XPR300 electronics PM kit, (380–600 V)	1000
HPRXD®	428263	HPRXD torch rebuild and filter kit without coolant	500
	428264	HPRXD torch rebuild and filter kit with coolant	500
	428268	HPR130XD electronics PM kit	1000
	428269	HPR260XD electronics PM kit, (200–240 V)	1000
	428270	HPR400/800XD electronics PM kit, (200–240 V)	1000
	428272	HPR260/400/800XD electronics PM kit, (380–600 V)	1000
	128879	HPR/HPRXD torch rebuild kit	500
MAXPRO200®	428331	MAXPRO200 Quick-disconnect torch and filter kit without coolant	500
	428332	MAXPRO200 Quick-disconnect torch and filter kit with coolant	500
	428333	MAXPRO200 straight/hand torch and filter without coolant	500
	428334	MAXPRO200 straight/hand torch and filter with coolant	500
Legacy	428310	HPR torch rebuild and filter kit with coolant	500
	428309	HPR torch rebuild and filter kit without coolant	500
	428265	HPR130 electronics PM kit	1000
	428266	HPR260 electronics PM kit, (200–240 V)	1000
	428267	HPR260 electronics PM kit, (380–600 V)	1000

Preventive Maintenance manuals

Our preventive maintenance manuals offer a detailed system cleaning, inspection and component replacement schedule, along with helpful maintenance tips. Translations available in Spanish, Japanese, Chinese, Korean and Portuguese.

Download at: www.hypertherm.com/support/documents-library

Item number	System
809490	XPR170 and XPR300
808620	HPR130XD auto gas
808630	HPR130XD manual gas
808580	HPR130 auto gas
808590	HPR130 manual gas
808250	HPR260XD auto gas
808640	HPR260XD manual gas
808600	HPR260 auto gas
808610	HPR260 manual gas
808660	HPR400XD auto gas
808650	HPR400XD manual gas
808680	HPR800XD auto gas
808670	HPR800XD manual gas
808800	MAXPRO200



Notes: Comparison based on one system running one 8-hour shift per day.

Scheduled maintenance is a torch and electronics service.

Break/fix time includes service travel, diagnosis, overnight delivery and installation of replacement parts.



Hypertherm, XPR, HPR, and MAX are trademarks of Hypertherm, Inc. and may be registered in the United States and/or other countries.

© 05/2020 Hypertherm, Inc. Revision 2
897300