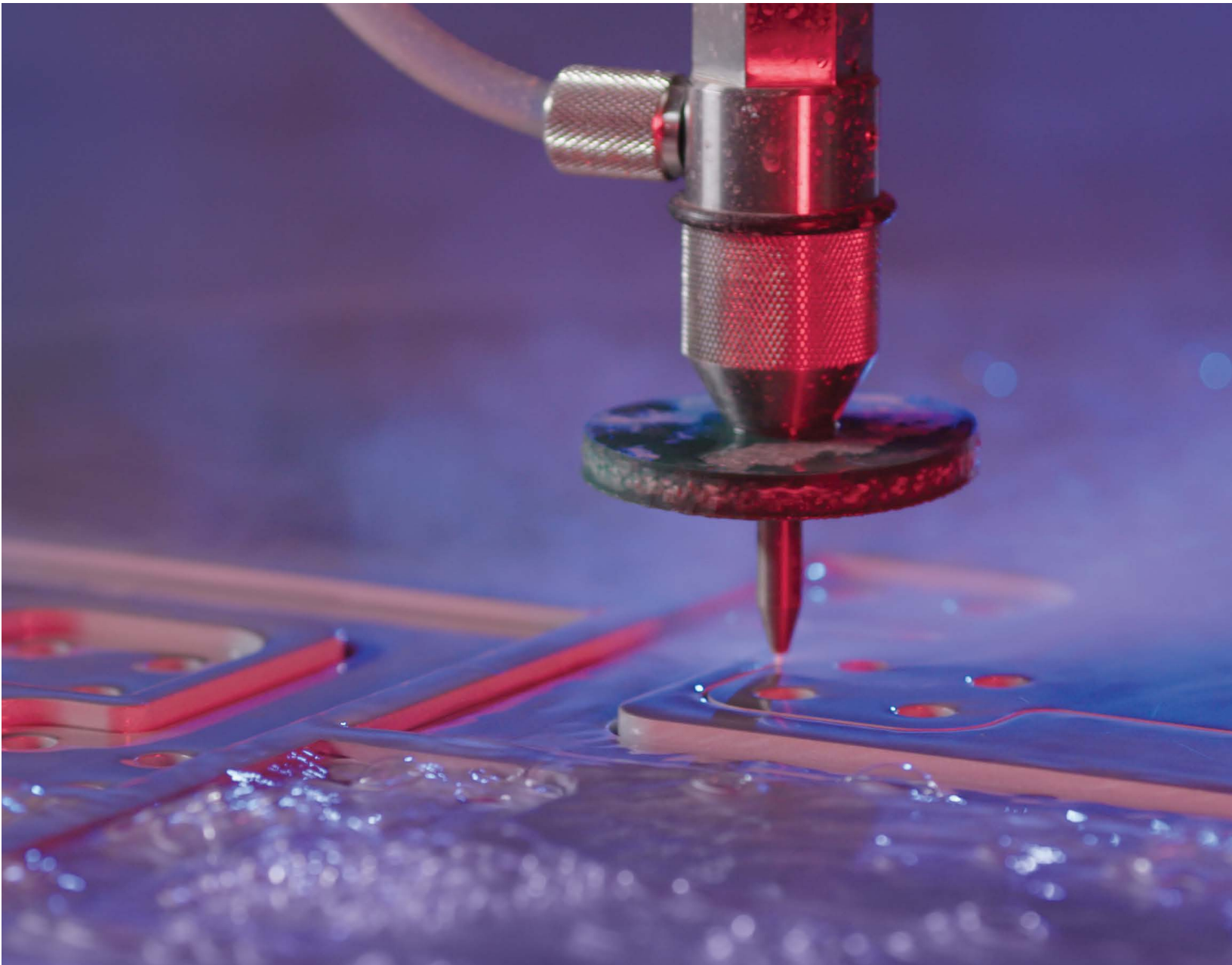


Hypertherm[®]

DynaMAX™ 5-series predictive waterjet pumps

Improving productivity through prediction





Two analog pressure gauges with white faces and black needles, mounted side-by-side. Below each gauge is a small square indicator light.

A small, rectangular digital display screen showing some faint, illegible text or numbers.

A control panel featuring a prominent red emergency stop button with a yellow ring, a white power button, and several other smaller buttons and indicator lights.

A 'Seal Maintenance Indicator' window showing three vertical glass tubes held in a metal frame, used for monitoring the condition of the furnace seals.

Seal Maintenance Indicator™

575P

DynaMAX 5-series predictive pumps

Designed and built to keep you up and running

DynaMAX™ 5-series pumps are the first waterjet pumps to incorporate predictive maintenance capabilities that substantially reduce maintenance costs and disruption caused by non-planned service. Equipped with standard features such as our proven Advanced Intensifier Technology™ (AIT) and a closed loop proportional pressure control, DynaMAX pumps offer you even more consistent cut quality while ensuring trouble-free operation and reliability.

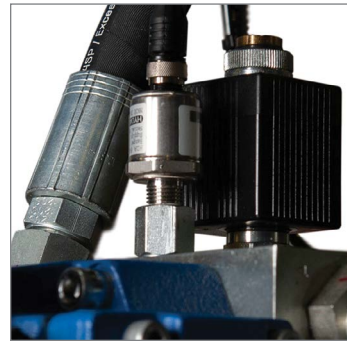
Increased productivity and reduced maintenance costs

Patented Seal Maintenance Technology™ extends seal life by up to 40%. The system monitors weepage and lets you know when it's time to change intensifier seals – no more costly changing too soon or too late! This increases productivity, minimizes scrap, and saves time, aggravation, and money.



Increased performance

Standard on all DynaMAX predictive pumps, closed loop proportional pressure control adjusts for ambient pressure and temperature, oil viscosity and hydraulic system wear parts, to deliver consistent quality at optimum cutting speeds.



Improved reliability and ease of service

With 10% fewer parts than earlier generations, DynaMAX predictive pumps include user-friendly features such as a color-coded junction box, electrical cable harnesses, quick-connect fittings, and an easy access bleed-down valve to make maintenance faster, easier, and less expensive.



Improved safety

The clear window cover lets the operator see the intensifier and attenuator. Optional interlocks help prevent unauthorized access, and can be programmed to automatically stop the pump when opened. In addition, the seal maintenance technology's drip tray helps keep the top deck – and the shop floor – clear of oil and water.



Seal Maintenance Technology™ boosts productivity and improves shop safety

Say goodbye to messy puddles in the workspace and unplanned downtime due to seal failure. Hypertherm's patented Seal Maintenance Technology eliminates the guess work with today's intensifier seal repair. Only from Hypertherm – an unstoppable force in waterjet!

Drip tray

Captures oil and water when intensifier starts to weep as part of normal operation

Stack light

Turns from green to yellow when it's time to schedule service, then to red when seal maintenance is required

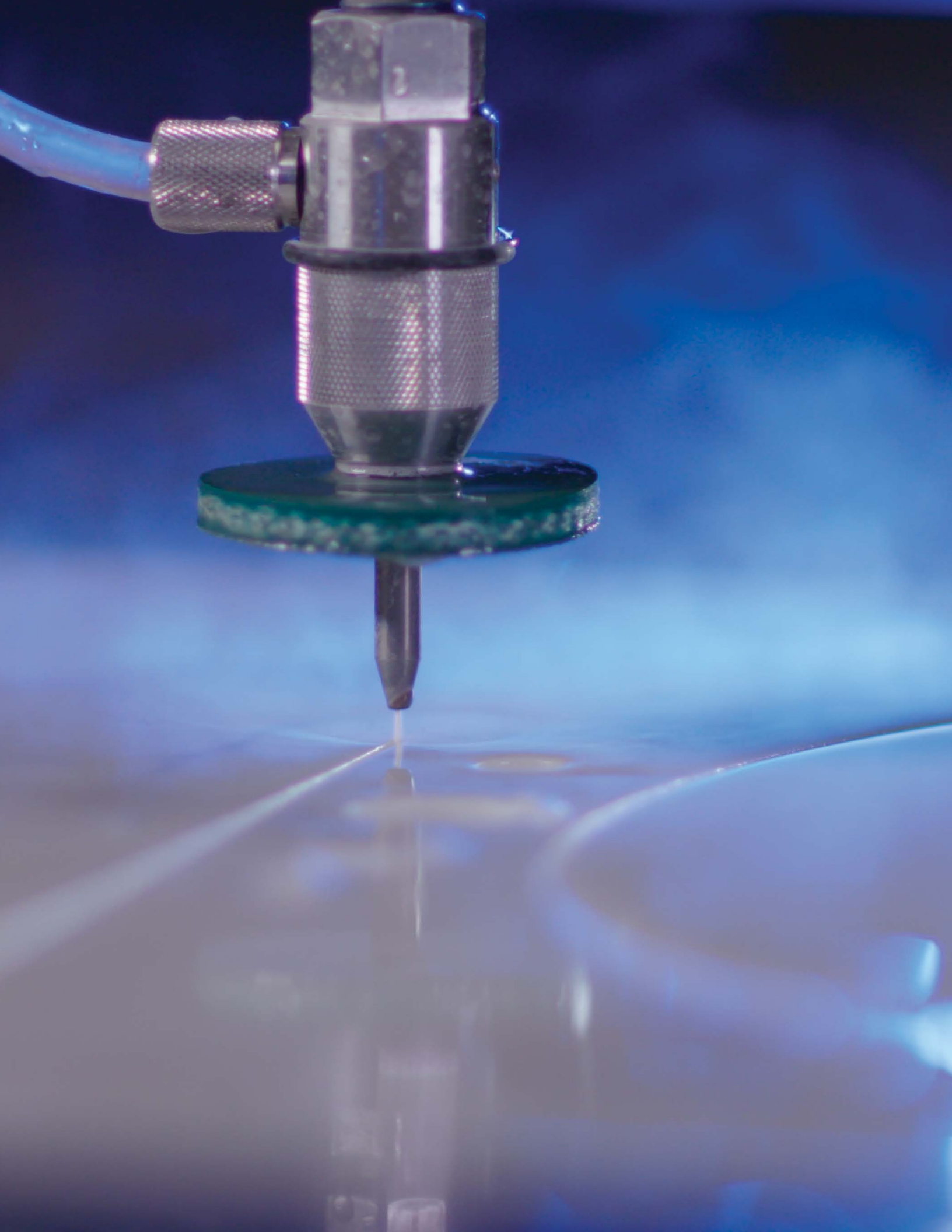


Seal maintenance indicator

Continuously monitors intensifier weepage – blue lights blink when fluid passes by

Fluid capturing vessel

Captures intensifier weepage to help keep your floor clean



Choosing the DynaMAX™ 5-series predictive pump for your application

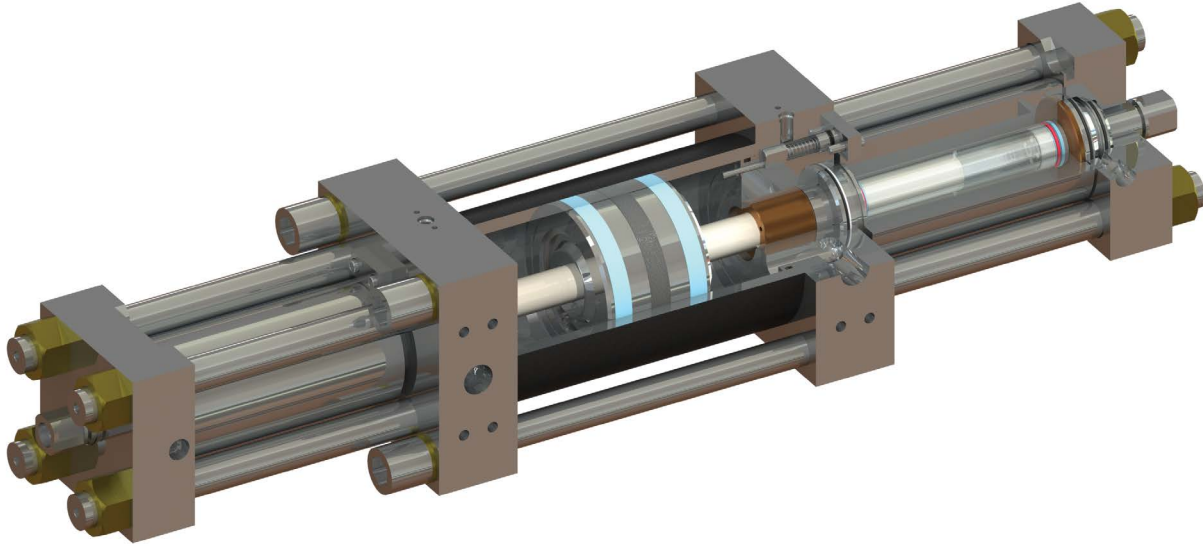
System specifications



Pump model number		DynaMAX 550P			DynaMAX 560P		DynaMAX 575P	
Hz		50	60		50	60	50	60
GENERAL	Maximum output: gpm (lpm)	1.0 (3.79)			1.2 (4.54)		1.5 (5.68)	
	Maximum orifice: inch (mm)	0.014 (0.35)			0.016 (0.40)		0.017 (0.43)	
	Output pressure	Adjustable to 60,000 psi (4100 bar)						
	Pressure control	Closed loop proportional pressure control – standard equipment						
	Bleed down valve	Air-actuated						
PUMP POWER	Motor power: HP (kW)	50 (37)			60 (44.7)		75 (56)	
	Voltage	400	208–230	460	400	460	400	460
	Full load amps	73.8	138.2–125.8	62.9	90.7	74.4	110.3	89.6
	Main breaker (amps)	80	150	80	100	100	125	100
	Motor starter (options if more than 1 listed)	Soft Start						
SPECIAL FEATURES	Seal Maintenance Technology	Included as standard equipment						
	Closed loop proportional pressure control	Included as standard equipment						
PHYSICAL	Width	40" (1016 mm)						
	Length	79" (1996 mm)						
	Height	59" (1509 mm)						
	Operating weight lbs. (kg)	2800 (1300)			3200 (1450)		3300 (1500)	
ACCESSORIES	Cover	Cover with observation windows						
	Boost pump	Included						
	External air over oil cooling	Optional						
	Electrical Interlock	Optional						
	Chiller for oil cooling	Optional						

The heart of every DynaMAX™ predictive pump: Advanced Intensifier Technology providing the ultimate in waterjet reliability

By rethinking the way the intensifier pump works, we were able to make it work harder, last longer and require significantly less service time.



Easier servicing

Hydraulic rod seals and plunger bearings are readily accessible from outside the hydraulic end cap

Longer lasting

Advanced piston design minimizes seal wear and improves component life

Optimized shifting

Advanced electronics provide smooth, reliable shifting for optimum cut quality

No thread galling

Thread-less cylinders eliminate the possibility of galling (seizing up) and becoming unusable

Prolonged seal life

Large diameter ceramic plunger delivers more water per stroke with reduced friction, for longer seal life

Screw-less check valve

Eliminates possible loose screw creating internal damage to intensifier

Long life piston


Advanced piston design minimizes seal wear and improves component life

Large diameter plunger

1" (2.5 cm) plunger produces more water per stroke with reduced friction



STEP 400 OPERATOR

Safety operation	DANGER
	Always wear eye protection when working with a laser beam. Do not look directly into the beam or allow the beam to reflect off any surfaces. Safety glasses must be worn at all times.
DANGER	DANGER
	Hot surfaces & gases in the path of the laser beam. Safety and health protection are essential from the start.
DANGER	DANGER
WARNING	Do not touch the laser beam or the laser head. Do not touch the laser head or the laser beam. Do not touch the laser head or the laser beam. Do not touch the laser head or the laser beam.

A knowledgeable partner who knows what you need

Hypertherm built the most robust information tools in the cutting industry. From responsive waterjet experts working the customer service lines, to mobile applications and 24/7 online technical service guides, Hypertherm provides what you need to know. And we offer it to our customers free of charge.

Information is only good when you have it. Be informed, be connected, and stay ahead of profit-losing troubles and delays with insights from Hypertherm.

We ship faster, so you are back to work sooner

We strive to fill every order the day it is received. Our goal as owners is to ensure you get what you need when you need it. If we can not ship the same day, we will call you. From our job shop roots, we know how it feels to be down, so we will do everything we can to keep you cutting.

- Voicemail-free, expert waterjet support during business hours
- Global distribution ensures fast response and speedy parts delivery
- Hypertherm Waterjet Assistant mobile application for iOS and Android
- Online technical guides with step-by-step repair instructions (<http://assist.hypertherm.com>)
- Available on-site product training



Waterjet Assistant gives you instant access to detailed, step-by-step maintenance and repair procedures, including part numbers.

Get the mobile app

Download the Hypertherm Waterjet Assistant mobile app from the App Store for iOS or from Google Play for Android using the links below.





Shaping Possibility®

With the right tools and a relentless focus on innovation, partnership, and community, we believe anything is possible.

More than fifty years ago, in a small two car garage, Hypertherm® began our journey with simple, powerful ideas about business and an invention that shaped the future of industrial cutting. The same ideals that fueled our inception all those years ago are still what drive us today: a passion for challenging what is achievable with the products we create, the culture we foster, and the experience we deliver to our customers. As we look to the horizon and the next 50 years, we are proud that our people, partners, and innovations will shape the future with solutions that make anything possible for industries around the world.

At Hypertherm, we give shape to our customers' vision with the world's leading industrial cutting solutions. Every day we help individuals and companies around the world envision better, smarter and more efficient ways to produce the products that shape our world. So whether you're cutting precision parts in North America, constructing a pipeline in Norway, fabricating agricultural machinery in Brazil, cutting stone in Italy, gouging out welds in the mines of South Africa, or building a skyscraper in China, you can count on Hypertherm to help you not just cut parts but achieve your vision.

100% employee ownership matters

At Hypertherm, we are not just employees: we are all owners. Ownership is a powerful motivator that ensures our customers are our top priority. As owners, we make sure every product is built to the highest quality and that our service is second to none. And we build long-term relationships that deliver value for us, our partners and our customers.

Worldwide presence and strength

Hypertherm is a key partner for your fabrication needs and has built a global organization focused on providing high-performance cutting solutions.

Key elements of the Hypertherm formula include:

- Dedicated Associates focused on customer-centered product design and support
- Local sales and service
- Broad application experience and proven results
- Sustainable and ethical business practices benefit our customers and communities

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Hypertherm wall of patents

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SHAPE THE WORLD.**



PLASMA | LASER | WATERJET | AUTOMATION | SOFTWARE | CONSUMABLES

To learn more, visit www.hypertherm.com/waterjet

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