



CNC INDEXING
& FEEDING TECHNOLOGIES

HIGH PRESSURE **COOLANT SYSTEMS**



HP-300



HPD-1000 and HPC15G1KX2

HP-300/HPD-1000/ HPC15G1KX2

- (2) Large doors for easy pressure adjustment and filter changes
- Heavy-duty steel enclosures
- Durable powder-coat finish
- (4) Caster wheels
- Dirty filter signal with visual indication for each filter
- Includes plumbing between HPC System and machine coolant tank.

	HP-300	HPD-1000	HPC15G1KX2
Pump Output	8 GPM Diaphragm Pump	8 GPM Diaphragm Pump	15 GPM Diaphragm Pump
Adjustable Pressure	300 PSI Factory Preset (75 PSI - 400 PSI)	1,000 PSI Factory Preset (75 PSI - 1,000 PSI)	1,000 PSI Factory Preset (75 PSI - 1,000 PSI)
Liquid Filled Pressure Gauge	Yes	Yes	Yes
On-Board Transfer Pump	Optional	Yes	Yes
Filter System	Spin-on Filter, 10 Micron Standard 32" (L) x 16" (W) x 30" (H)	Dual Bag Filter, 10 Micron Standard 36" (L) x 20" (W) x 35" (H)	Dual Bag Filter, 10 Micron Standard 64" (L) x 35" (W) x 55" (H)

Optional Accessories:

- 50 Gal. Auxiliary Coolant Reservoir
- Oil Skimmer
- Sound / Vibration Dampening Option
- Other micron rated filters available

HPD-300 REQUIREMENTS:

7.8 AMPS @230 VAC | 200-240 VAC (460 V AVAILABLE UPON REQUEST) | 3 PHASE | 60 HZ | 1 M-CODE FOR ACTIVATION / DEACTIVATION.

HPD-1000 REQUIREMENTS:

18.8 AMPS @230 VAC | 200-240 VAC (460 V AVAILABLE UPON REQUEST) | 3 PHASE | 60 HZ | 2 M-CODE FOR ACTIVATION / DEACTIVATION.

HPC15G1KX2 REQUIREMENTS:

41 AMPS @230 VAC | 200-240 VAC (460 V AVAILABLE UPON REQUEST) | 3 PHASE | 60 HZ | 2 M-CODE FOR ACTIVATION / DEACTIVATION.

•• Do your production requirements demand something different? Let us know, we provide custom systems as well.

**INSTALLATION
SERVICE
AVAILABLE**

Our High Pressure Coolant Systems Deliver Several Important Production Benefits:

1

IMPROVED QUALITY

More efficient chip removal, higher feed rates, faster spindle speeds, and reduce tool wear boost part quality and surface finishes.

2

INCREASED PRODUCTIVITY

High pressure coolant removes heat and deflects chips from work surfaces, allowing for higher feed rates and faster spindle speeds. Cycle time reduced 20% - 40%.

3

LONGER TOOL LIFE

Recutting chips damages expensive special and conventional tooling. High pressure coolant increases the amount of coolant reaching the cutting area. This eliminates heat and aids in chip removal and breakage reducing tool wears.

4

REDUCED DOWNTIME

Longer tool life equals less time changing tools and our dual filter system allows for filter changes while in production.

Real World Application

SPS Technologies, located in Jenkintown, PA, is the fastener division of Precision Castparts Corporation. The company is the producer of high-quality specialty fasteners, assemblies and precision components for critical applications throughout the world.

Bob Mihajlowitch, a manufacturing engineer at SPS Technologies, opted to test model HPD-1000 (1,000 PSI, 8 GPM, dual filter system) in search of maximum improvement. Less than a year later, SPS Technologies now has six systems installed on lathes and mills throughout its facility. Bob has been monitoring the processes on all six machines in which high-pressure coolant was added. SPS Technologies has seen improvements on all six machines. The improvements include faster cycle times, longer tool and insert life and better part finish. These results add up to a reduced cost per part, what every manufacturing company is searching for.

One process in particular at SPS Technologies has seen a marked gain. This application has an annual production of 5,000 pieces. By adding CNC Indexing & Feeding Technologies HPD-1000, SPS was able to reduce the overall cycle time, with the largest portion during the drilling process. Some drilling operations have seen reduced cycle times that could potentially save the company in excess of \$120,000 per year and opened capacity on key production equipment.

With the decrease in cycle time and resulting increase in efficiency, the company continues to focus on the production of high-quality specialty fasteners, assemblies and precision components. „Today, it’s hard to find an aircraft that doesn’t use SPS fasteners,” said a company spokesperson. „They can be found in engines, wings, fuselages and landing gear. SPS produces all-metal locknuts and bolts, non-metallic insert locknuts and precision components in a variety of materials and platings in diameters up to 3 inches and lengths up to 48 inches.



SPS
TECHNOLOGIES
A PCC Company

WHY CHOOSE CNC INDEXING

CNC Indexing & Feeding Technologies is a premier value added importer/supplier of quality machine tool accessories. We strive to offer manufacturers access to quality machine tool accessories that will increase their productivity and profitability. CNC Indexing provides first class after sales service and support on all products we import or produce.

The expert staff at CNC Indexing & Feeding Technologies can help in selecting the right product to meet your manufacturing needs.

CNC Indexing and Feeding Technologies other premier product lines include: Ganro Rotary Tables and Indexers, MTA International Bar Feeders, and Welltech Oil Skimmers.

If our standard products do not meet your requirements, we are capable of offering custom solutions designed around your specific application.

Make your machining centers and lathes more productive and profitable by adding our high quality machine tool accessories.

MADE IN

U. S. A.

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