



YOUR TOTAL SOLUTION...





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INTRODUCTION

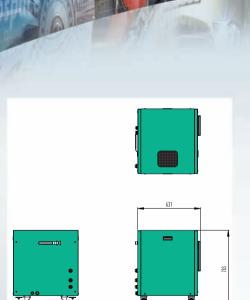
Pumps & Equipment have been designing High Pressure Coolant systems (HPC) for 15 years, in that time the requirement for HPC has changed dramatically. Most machine tools are now fitted with HPC or can take it as an option and tooling companies are now designing purpose made tools to deliver HPC. With the increased demand to machine more exotic materials the need for HPC is ever increasing.

Pumps & Equipment has identified that supplying a High Pressure Coolant System is not enough.

A TOTAL SOLUTION is what makes Pumps & Equipment different from other companies offering HPC. We have combined our knowledge with tooling and lubricant companies

To offer the customer a **TOTAL SOLUTION**.

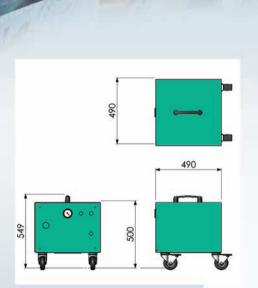
The pages that follow will give a brief outline of **HYDRAJET** HPC systems and the associated products that allows the High Pressure Coolant systems to be installed to most machine tools



HYDRAJET AP20-300

- max pressure 20 bar 300 psi
- max volume 20 ltrs
- » dual filters
- filter block alarm
- » flow sensor
- integral panel
- castor mounted
- » paint finish to customers specification



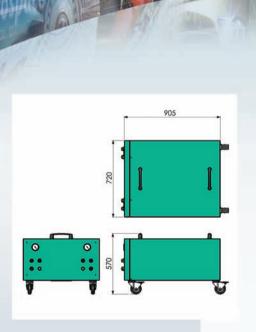


HYDRAJET MH1-300

- max pressure 20 bar 300 psi
- » max volume 20 ltrs
- » 2 outlets
- castor mounted
- » small footprint
- » paint finish to customers specification



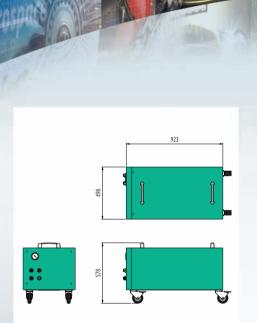




HYDRAJET MH2-300

- » twin pumps
- max pressure 20 bar each
- max flow 20 ltrs each
- » both pumps run simultaneously
- ideal for twin turret machines
- » paint finish to customers specification



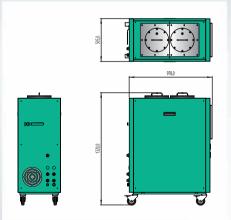


HYDRAJET G10-1000

- max pressure 70 bar 1000 psi
- » max volume 27 ltrs
- castor mounted
- » paint finish to customers specification







- max pressure 70 bar
- max volume 10 ltrs / 27 ltrs
- twin filter
- filter block alarm
- flow sensor
- integral panel
- castor mounted
- » paint finish to customers specification



Note: image and footprint show a two filter option.





- max pressure 70 bar
- max volume 27 ltrs
- w twin filters
- integral coolant tank
- filter block alarm
- # flow sensor
- integral panel
- » castor mounted
- » paint finish to customers specification
- mist extraction option



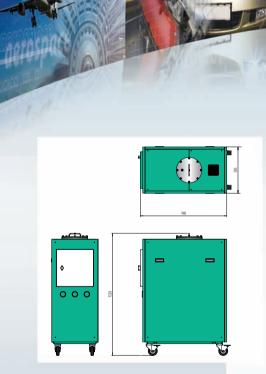




HYDRAJET GP20-2000

- max pressure 140 bar
- » max volume 20 ltrs
- » single filter
- y 4 outlets M code controlled
- filter block alarm
- integral tank
- integral panel
- integral lift pump
- » castor mounted
- » paint finish to customers specification



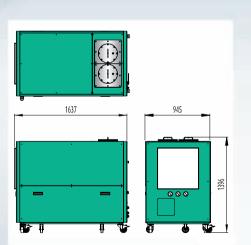


HYDRAJET WP04-2000

- max pressure 140 bar
- max volume 10 ltrs
- single filters
- 3 outlets M code controlled
- filter block alarm
- flow sensor
- integral panel
- integral lift pump
- castor mounted
- » paint finish to customers specification







HYDRAJET SP25-2000

- » max pressure 140 bar 2000 psi
- max flow 40 ltrs
- dual filters
- integral panel
- integral tank
- integral lift pump
- variable speed
- 2 m code controlled outlets
- » level alarm
- filter block alarm
- castor mounted
- » paint finish to customers specification



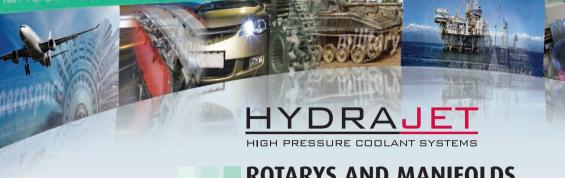






- 1000 2460
- > tank capacities: 300 1500 ltrs
- various flows and pressures
- high pressure coolant options
- wash guns
- various filtration options
- chiller options
- integral electrical control panel
- » multiple coolant pump configurations









As part of our commitment to providing the TOTAL **SOLUTION** we have seen the need to develop further the 'Full Turn Key' installation on the machine. We have now a wide range of solutions for all types of machines, incorporating the requirement for the manufacture of many special purpose parts such as manifolds; tool plunger release mechanism's; platen's and rotary's.

All are designed and manufactured in our own facilities compliant to ISO standard.







The **HYDRAJET** coolant inducer range has been designed and manufactured by Pumps & Equipment specifically to enable the retrofitting of HPC and UHPC coolant for lathes.

Designs include 'Hydraulic lift off' and 'Rotary indexing' turrets, these inducers can be retrofitted to new machines and existing machines. The design incorporates electrical and mechanical interface enabling 'M' Function control.







As part of our turn key solutions we are able to modify tool holders to accept 'through tool' high pressure coolant. These modifications are carried out in our own toolroom working closely with the integrated tool supplier where required.

Further to this we are pleased to continue our working relationship with the **Seco** and their **JetStream Tooling System**, delivering 'HPC' and 'UHPC' coolant directly to the cutting interface.





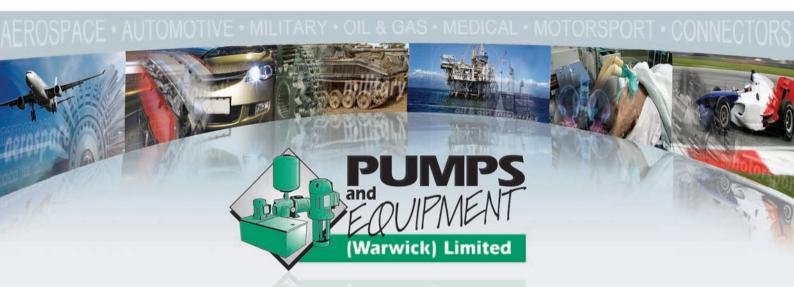


In the application of 'High Pressure' and 'Ultra High Pressure' coolant we have found is not just about manufacturing pumping systems. To achieve the maximum benefit from this technology the correct application of the coolant to the cutting interface is of paramount importance.

We have engaged a number of leading experts to assist us with the evaluation and design of nozzle technology. This maximises the flow and pressure available from the **HYDRAJET** system and linked with our engineering and tool room designs we now have a range of products that can be blended for most applications from general machining to grinding.







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