

Versatile High Pressure Coolant System for Multifunction Machine Tools

MP Systems' high pressure coolant systems are low maintenance and longer lasting, thanks to a diaphragm-style pump that keeps all sliding parts from contact with coolant, chips and other abrasives. Ideal for deep hole drilling, pocket milling and turning operations on all materials, the R Series pump is designed to operate in environments where machine uptime is critical.

Key Features

- 8 GPM (RF8, RFC8), 16 GPM (RF16), or twin 8 GPM (RTF), up to 1000 PSI
- Manually adjustable pressure
- 50 gallon reservoir (RF8)
- 70 gallon reservoir (RFC8, R16, RTF)
- Built-in feed/supply pump
- Standard 208/230V(480V Optional)
- Use with water-based coolant or suitable oils
- 2 ports standard
- PLC display
- 2 year parts warranty
- Easy installation kit included

Models

| | |
|------|------|
| RF8 | RF16 |
| RFC8 | RTF |



Pump Filtration

- Filtration down to 5 micron
- Dual cannisters
- Quick change filter bags
- Large capacity (5 gallons)
- Dirty filter alarm

Demand Quality. Insist on MP Systems.

| Specs | RF8, RFC8 | RF16, RFC16 | RTF, RTC |
|------------------|------------------------|------------------------|------------------------|
| Fluid Type | Oil or Water | Oil or Water | Oil or Water |
| Max. Pressure | 1000 PSI | 1000 PSI | 1000 PSI |
| Max. Flow Rate | 8 GPM | 16 GPM | 8 GPM per Outlet (2) |
| Pressure Type | Manually Adjustable | Manually Adjustable | Manually Adjustable |
| Ports | 2 | 2 | 2, 4 Optional |
| Filtration | Dual Filters, 5 Micron | Dual Filters, 5 Micron | Dual Filters, 5 Micron |
| Main Motor HP | 7.5 (10 kw) | Twin 7.5 (10 kw) | Twin 7.5 (10 kw) |
| 3 Phase Voltage | 208/230V* | 208/230V* | 208/230V* |
| Control Voltage | 24V | 24V | 24V |
| Feed/Supply Pump | Standard | Standard | Standard |

*480V Special Order

| Options | Description |
|----------------------------|---|
| Mist Collection | MP 1200 |
| Post HEPA Filter | Post HEPA Filter |
| Dual Pressure Option | High/Low RF8, RFC8, RF16 |
| Auto Cross Over Filtration | Automatically switches filters when dirty |
| Installation | Basic install to machine tool |
| Additional Port | Multiple port options available, call MP Systems |
| Mounted Chiller | Call MP Systems |
| Abrasive Duty Upgrade | Recommended when machining abrasive materials (castings, ceramics etc.) |

Notes

1. Recommended for pumping cutting fluids up to 140 SUS @ 100° F
2. Confirm spare M codes (1 set per port)
3. Specifications are subject to change without notice

Footprint

| | L x W x H | Weight (lbs.) |
|------|-----------------|---------------|
| RF8 | 36" x 28" x 42" | 800 |
| RFC8 | 42" x 38" x 42" | 1000 |
| RF16 | 42" x 38" x 42" | 1250 |
| RTF | 42" x 38" x 42" | 1250 |