



Maintaining the Productivity of your Engineered Metalworking Fluids

# FILTRATION CONTROL SYSTEMS

## Filtration Application Chart

Machining Process	Settling Tank	Strainers	Pleated Cartridge Filters	Stack Disc Depth Filter Cartridges	Centrifuges	Settling Tank w/ Drag out sludge conveyor	Magnetic Separator	Automatic Discharge Centrifuge	Hydrocyclone Separators	Indexing Gravity Bed Filters	Backflushable Strainers	Vacuum Filters with Centrifugal Pump Suction	Vacuum Filters with Eductor Suction	Side Stream Vacuum Filters	Precoat Filters	Edge Filter - Backflushable Stacked Paper Disc	Combination Filters
	Manual Operation/Service					Automatic Operation											
Water based coolants (emulsions)																	
Turning Drilling Milling	X	X	X			X				X	X	X	X <sup>2</sup>	X <sup>3</sup>			X
Machining Centers			X			X				X	X	X	X <sup>2</sup>	X <sup>3</sup>			X
Turning Machines			X			X				X	X	X	X <sup>2</sup>	X <sup>3</sup>			X
Broaching/Deep Hole Drilling		X								X	X	X	X <sup>2</sup>	X <sup>3</sup>			X
Surface Grinding	X	X			X		X	X	X	X		X	X <sup>2</sup>	X			X
Centerless Grinding										X		X	X <sup>2</sup>	X			X
Grey Cast Iron Grinding										X		X	X <sup>2</sup>	X			X
Belt Grinding						X				X		X	X <sup>2</sup>				X
Cylindrical Grinding	X	X			X		X	X	X	X		X	X <sup>2</sup>	X			X
Roll Grinding										X		X	X <sup>2</sup>				X
Carbide Grinding			X	X <sup>1</sup>								X	X <sup>2</sup>	X	X		X
Honing and Superfinishing			X	X <sup>1</sup>								X	X <sup>2</sup>	X	X		X
Vibratory Finishing	X				X								X <sup>2</sup>	X			X
Cold Rolling			X				X					X	X <sup>2</sup>	X			X
Roll Forming			X	X <sup>1</sup>						X		X	X <sup>2</sup>				X
Wire EDM			X							X		X	X <sup>2</sup>				X
Straight Oils																	
Turning Drilling Milling	X <sup>3</sup>	X <sup>3</sup>				X <sup>2</sup>				X	X		X	X <sup>2</sup>			X
Machining Centers						X <sup>3</sup>				X	X		X	X <sup>3</sup>			X
Turning Machines						X <sup>3</sup>				X	X		X	X <sup>3</sup>			X
Broaching/Deep Hole Drilling		X <sup>3</sup>									X		X	X <sup>3</sup>			X
Surface Grinding	X				X		X	X		X			X		X		X
Grey Cast Iron Grinding										X			X		X		X
Belt Grinding													X		X		X
Cylindrical Grinding	X	X			X		X	X					X		X		X
Roll Grinding													X				X
Carbide Grinding				X									X		X	X <sup>4</sup>	X
Lapping and Polishing			X	X									X		X	X <sup>4</sup>	X
Sinker EDM			X										X		X	X <sup>4</sup>	X

1 - Full synthetic only

2- For low coolant entry or difficult to package applications

3 - Light duty or with chip conveyor

4 - Oil must not contain long chain parafins

[www.filtrationcontrolsystems.com](http://www.filtrationcontrolsystems.com)

These filtration application guidelines are for general reference. Please contact Filtration Control Systems with the specifics of your application for more information.