

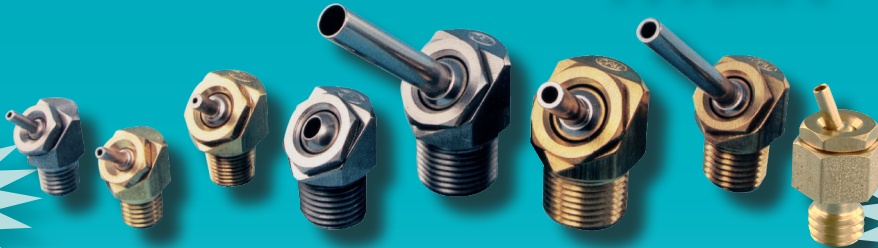


Pipe Sizes fit NPT & BSPT THREADS

RATED TO 1500 PSI (100 BAR)

Pressure Max™

Available in Brass or Stainless Steel



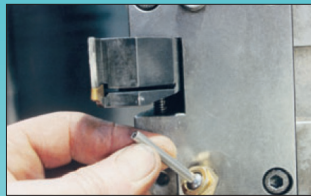
Available with extended spray tips to shoot farther

HIGH PRESSURE COOLANT NOZZLE FOR CNC MACHINES

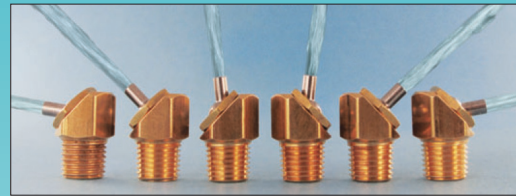
- High velocity coolant stream increases productivity and tool life in machining and grinding operations
- Also ideal for low pressure applications where abrasive swarf is a problem
- Hits any target above mounting plane
- Interchangeable spray tips available!
- Easy to aim
- Choose short extensions for tight spaces like CNC Turning Centers and Screw Machines
- Choose stainless steel bodies when using cutting oils not compatible with brass (i.e. oils containing active sulphur)
- Choose brass bodies for economy
- Pipe sizes fit NPT and BSPT threads
- 1500 PSI Max (100 bar)
- Longer extensions are a breeze to aim and shoot farther, great for Machining Centers and CNC Multi-Axis Grinders



Short extensions aim easily with aiming tool (included).



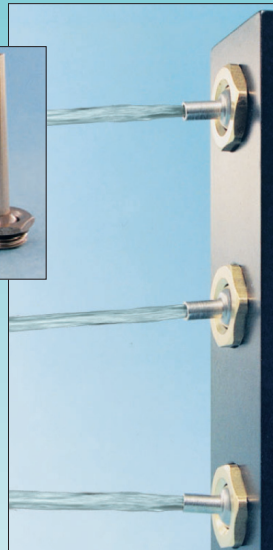
Long extensions aim easily by hand.



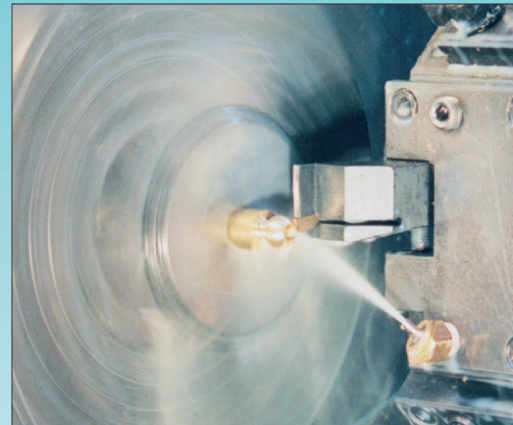
Angled outlet versions can hit just about any target above the mounting plane.



Interchangeable spray tips allow you to easily change orifice size and extension length to suit your application.



PressureMax Spray Tips can be mounted directly to toolholders or manifolds when space is limited, as in screw machine applications. See tables on following pages for port preparation detail.



PressureMax nozzle shown in use on CNC turning center. High velocity coolant stream prolongs tool life and aids chip control.



Pressure Max™

Ordering Information: 1. Determine the port thread size required for your machine tool. 2. Choose nozzle body material (brass for general purpose, stainless steel when using cutting oils not compatible with cuprous alloys). 3. Determine orifice diameter required to match your pump's capacity at the desired pressure (refer to table on page 2). 4. Choose the extension length "L" to suit your application (longer extensions give more laminar flow, aim easily and shoot farther, while short extensions are ideal for tight spaces or where stringy swarf is a problem).

DIMENSIONS IN INCHES (except as noted)

Nominal Size: 5/16 - 24 UNF									
Nozzle & Port Detail	Mtl.	Part No. Complete Nozzle*	Pkg. Qty.	Orifice Dia. "d"	Extension "L"	"F" max (degrees)	Part No. Spray Tip Only	Pkg. Qty.	Spray Tip and Mating Port Detail
<p>5/16" - 24 UNF (tapered) 5/16 - 24 UNF x .30 DP. MIN.</p>	BRASS	PM07310	5	.040	.25	34°	PMT08410	5	
		PM07315	5	.062	0	40°	PMT08415	5	
		PM07320	5	.062	.25	34°	PMT08420	5	
		PM07330	5	.086	0	36°	PMT08430	5	
	STAINLESS	PM07312-SS	5	.040	.25	34°	PMT08412-SS	5	
		PM07316-SS	5	.062	0	40°	PMT08416-SS	5	
		PM07322-SS	5	.062	.25	34°	PMT08422-SS	5	
		PM07332-SS	5	.086	0	36°	PMT08432-SS	5	

*Complete nozzle part no. includes body and spray tip.

Maximum Operating Temperature: 160°F (70°C)
Maximum Pressure: 1500 PSI (100 bar)

DIMENSIONS IN INCHES (except as noted)

Nominal Size: 1/16 NPT/BSPT									
Nozzle & Port Detail	Mtl.	Part No. Complete Nozzle*	Pkg. Qty.	Orifice Dia. "d"	Extension "L"	"F" max (degrees)	Part No. Spray Tip Only	Pkg. Qty.	Spray Tip and Mating Port Detail
<p>1/16 NPT/BSPT 1/16 NPT or 1/16 BSPT</p>	BRASS	PM11610	5	.040	.25	34°	PMT08410	5	
		PM11615	5	.062	0	40°	PMT08415	5	
		PM11620	5	.062	.25	34°	PMT08420	5	
		PM11630	5	.086	0	36°	PMT08430	5	
	STAINLESS	PM11612-SS	5	.040	.25	34°	PMT08412-SS	5	
		PM11616-SS	5	.062	0	40°	PMT08416-SS	5	
		PM11622-SS	5	.062	.25	34°	PMT08422-SS	5	
		PM11632-SS	5	.086	0	36°	PMT08432-SS	5	

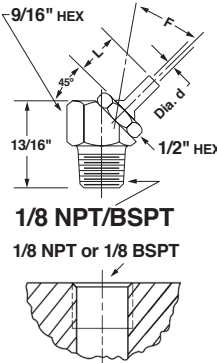
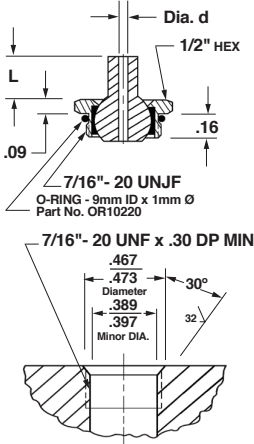
*Complete nozzle part no. includes body and spray tip.

Maximum Operating Temperature: 160°F (70°C)
Maximum Pressure: 1500 PSI (100 bar)



Pressure Max™

DIMENSIONS IN INCHES (except as noted)

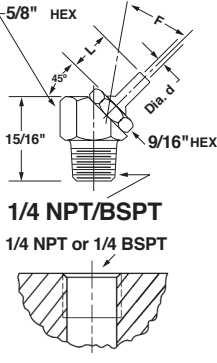
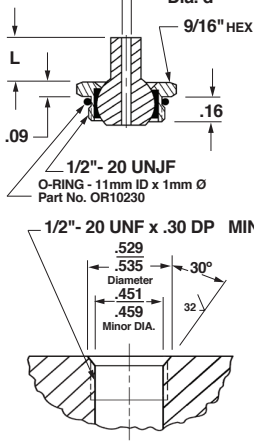
Nominal Size: 1/8 NPT/BSPT									
Nozzle & Port Detail	Mtl.	Part No. Complete Nozzle *	Pkg. Qty.	Orifice Dia. "d"	Extension "L"	"F" max (degrees)	Part No. Spray Tip Only	Pkg. Qty.	Spray Tip and Mating Port Detail
 <p>9/16" HEX 13/16" 1/2" HEX 1/8 NPT/BSPT 1/8 NPT or 1/8 BSPT</p>	BRASS	PM04010	5	.040	.25	37°	PMT05020	5	 <p>7/16"-20 UNJF O-RING - 9mm ID x 1mm Ø Part No. OR10220</p> <p>7/16"-20 UNF x .30 DP MIN. .467 Diameter .389 Minor DIA. 30° 32°</p>
		PM05010	5	.062	.25	37°	PMT04510	5	
		PM04022	5	.062	1.25	26°	PMT04514	5	
		PM06010	5	.086	.25	37°	PMT04520	5	
		PM04032	5	.086	1.25	26°	PMT04523	5	
		PM07001	5	.117	0	41°	PMT04525	5	
		PM04038	5	.117	.25	30°	PMT04526	5	
		PM04042	5	.117	1.25	26°	PMT04528	5	
	PM04046	5	.160	0	30°	PMT04534	5		
	STAINLESS	PM04012-SS	5	.040	.25	37°	PMT04505-SS	5	
		PM04020-SS	5	.062	.25	37°	PMT04512-SS	5	
		PM04024-SS	5	.062	1.25	26°	PMT04516-SS	5	
		PM04030-SS	5	.086	.25	37°	PMT04522-SS	5	
		PM04034-SS	5	.086	1.25	26°	PMT04524-SS	5	
		PM04039-SS	5	.117	0	41°	PMT04532-SS	5	
		PM04040-SS	5	.117	.25	30°	PMT04527-SS	5	
PM04044-SS		5	.117	1.25	26°	PMT04529-SS	5		
PM04048-SS	5	.160	0	30°	PMT04536-SS	5			

*Complete nozzle part no. includes body and spray tip.

Maximum Operating Temperature: 160°F (70°C)

Maximum Pressure: 1500 PSI (100 bar)

DIMENSIONS IN INCHES (except as noted)

Nominal Size: 1/4 NPT/BSPT									
Nozzle & Port Detail	Mtl.	Part No. Complete Nozzle *	Pkg. Qty.	Orifice Dia. "d"	Extension "L"	"F" max (degrees)	Part No. Spray Tip Only	Pkg. Qty.	Spray Tip and Mating Port Detail
 <p>5/8" HEX 15/16" 9/16" HEX 1/4 NPT/BSPT 1/4 NPT or 1/4 BSPT</p>	BRASS	PM07100	5	.040	.25	36°	PMT07020	5	 <p>1/2"-20 UNJF O-RING - 11mm ID x 1mm Ø Part No. OR10230</p> <p>1/2"-20 UNF x .30 DP MIN. .529 Diameter .451 Minor DIA. 30° 32°</p>
		PM07110	5	.062	.25	36°	PMT08010	5	
		PM04122	5	.062	1.25	32°	PMT08014	5	
		PM07120	5	.086	.25	36°	PMT08020	5	
		PM04132	5	.086	1.25	32°	PMT08024	5	
		PM07130	5	.117	0	44°	PMT08030	5	
		PM04139	5	.117	.25	36°	PMT08029	5	
		PM04158	5	.117	.50	36°	PMT08050	5	
	PM04142	5	.117	1.25	32°	PMT08034	5		
	PM07140	5	.160	0	36°	PMT08040	5		
	PM04148	5	.160	.50	32°	PMT08042	5		
	PM04152	5	.160	1.25	32°	PMT08044	5		
	STAINLESS	PM04110-SS	5	.040	.25	36°	PMT08005-SS	5	
		PM04120-SS	5	.062	.25	36°	PMT08012-SS	5	
		PM04124-SS	5	.062	1.25	32°	PMT08016-SS	5	
		PM04130-SS	5	.086	.25	36°	PMT08022-SS	5	
PM04134-SS		5	.086	1.25	32°	PMT08026-SS	5		
PM04138-SS		5	.117	0	44°	PMT08028-SS	5		
PM04140-SS		5	.117	.25	36°	PMT08032-SS	5		
PM04159-SS		5	.117	.50	36°	PMT08051-SS	5		
PM04144-SS	5	.117	1.25	32°	PMT08036-SS	5			
PM04146-SS	5	.160	0	36°	PMT08041-SS	5			
PM04150-SS	5	.160	.50	32°	PMT08043-SS	5			
PM04154-SS	5	.160	1.25	32°	PMT08046-SS	5			

*Complete nozzle part no. includes body and spray tip.

Maximum Operating Temperature: 160°F (70°C)

Maximum Pressure: 1500 PSI (100 bar)



Pressure Max™

DIMENSIONS IN INCHES (except as noted)

Nominal Size: 3/8 NPT/BSPT									
Nozzle & Port Detail	Mtl.	Part No. Complete Nozzle*	Pkg. Qty.	Orifice Dia. "d"	Extension "L"	"F" max (degrees)	Part No. Spray Tip Only	Pkg. Qty.	Spray Tip and Mating Port Detail
<p>3/8 NPT/BSPT 3/8 NPT or 3/8 BSPT</p>	BRASS	PM08210	5	.062	.38	40°	PMT08110	5	<p>5/8"- 18 UNJF O-RING - 13mm ID x 1mm Ø Part No. OR10240</p> <p>5/8"- 18 UNF x .30 DP MIN.</p> <p>654 Diameter .571 .579 Minor DIA.</p>
		PM08214	5	.062	1.25	40°	PMT08114	5	
		PM08220	5	.086	.38	40°	PMT08120	5	
		PM08224	5	.086	1.25	40°	PMT08124	5	
		PM08230	5	.117	.50	40°	PMT08130	5	
		PM08234	5	.117	1.25	40°	PMT08134	5	
		PM08238	5	.160	0	42°	PMT08138	5	
		PM08240	5	.160	.50	40°	PMT08140	5	
		PM08244	5	.160	1.25	40°	PMT08144	5	
		PM08258	5	.197	.50	34°	PMT08158	5	
	PM08248	5	.220	0	34°	PMT08148	5		
	PM08250	5	.220	.50	34°	PMT08150	5		
	PM08254	5	.220	1.25	34°	PMT08154	5		
	STAINLESS	PM08212-SS	5	.062	.38	40°	PMT08112-SS	5	
		PM08216-SS	5	.062	1.25	40°	PMT08116-SS	5	
		PM08222-SS	5	.086	.38	40°	PMT08122-SS	5	
		PM08226-SS	5	.086	1.25	40°	PMT08126-SS	5	
		PM08232-SS	5	.117	.50	40°	PMT08132-SS	5	
		PM08236-SS	5	.117	1.25	40°	PMT08136-SS	5	
		PM08239-SS	5	.160	0	42°	PMT08139-SS	5	
PM08242-SS		5	.160	.50	40°	PMT08142-SS	5		
PM08246-SS		5	.160	1.25	40°	PMT08146-SS	5		
PM08260-SS		5	.197	.50	34°	PMT08160-SS	5		

*Complete nozzle part no. includes body and spray tip.

Maximum Operating Temperature: 160°F (70°C)

Maximum Pressure: 1500 PSI (100 bar)

DIMENSIONS IN INCHES (except as noted)

Nominal Size: M6, M8, M10											
Nozzle & Port Detail	Mtl.	Size "E"	Part No. Complete Nozzle*	Pkg. Qty.	Orifice Dia. "d"	Extension "L"	A	"F" max (degrees)	Part No. Spray Tip Only	Pkg. Qty.	Spray Tip and Mating Port Detail
<p>THREAD SIZE E</p>	STAINLESS	M6x1	PM22012-SS	5	.040	.25	.30	34°	PMT08412-SS	5	<p>5/16"- 24 UNJF O-RING - 6mm ID x 1mm Ø Part No. OR10210</p> <p>5/16"- 24 UNF x .30 DP MIN.</p> <p>342 .348 Diameter .272 .280 Minor DIA.</p>
			PM22016-SS	5	.062	0	.30	40°	PMT08416-SS	5	
			PM22022-SS	5	.062	.25	.30	34°	PMT08422-SS	5	
			PM22032-SS	5	.086	0	.30	36°	PMT08432-SS	5	
		M8x1.25	PM22112-SS	5	.040	.25	.33	34°	PMT08412-SS	5	
			PM22116-SS	5	.062	0	.33	40°	PMT08416-SS	5	
			PM22122-SS	5	.062	.25	.33	34°	PMT08422-SS	5	
		M10x1.25	PM22132-SS	5	.086	0	.33	36°	PMT08432-SS	5	
			PM22212-SS	5	.040	.25	.36	34°	PMT08412-SS	5	
		M10x1.5	PM22216-SS	5	.062	0	.36	40°	PMT08416-SS	5	
			PM22222-SS	5	.062	.25	.36	34°	PMT08422-SS	5	
			PM22232-SS	5	.086	0	.36	36°	PMT08432-SS	5	
	M10x1.5	PM22312-SS	5	.040	.25	.36	34°	PMT08412-SS	5		
		PM22316-SS	5	.062	0	.36	40°	PMT08416-SS	5		
		PM22322-SS	5	.062	.25	.36	34°	PMT08422-SS	5		
PM22332-SS	5	.086	0	.36	36°	PMT08432-SS	5				

*Complete nozzle part no. includes body and spray tip.

Maximum Operating Temperature: 160°F (70°C)

Maximum Pressure: 1500 PSI (100 bar)