

PulseCooling / Flow Products

PRICE LIST

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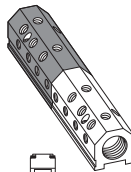
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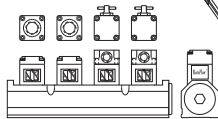
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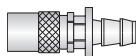
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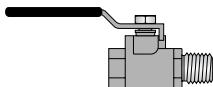
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CITO Products Location60



CITO Products, Inc.

N8779 County Road X • P.O. Box 90

Watertown, WI 53094 • USA

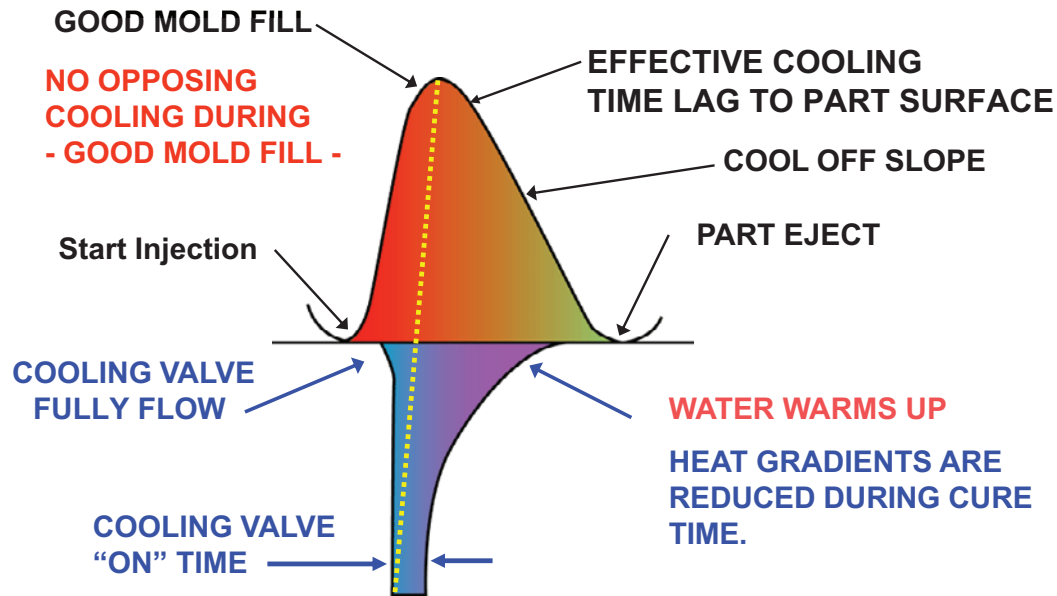
Phone: (920) 261-2606 • E-mail: sales@citoinc.com

Visit us at www.CITOINC.com

ALL INFORMATION IS BELIEVED TO BE ACCURATE. PRICES/SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

PC-PRICE-25-0321

PulseCooling™ Dynamics



PulseCooling

HIGH PART QUALITY - BEST CYCLE - ENERGY SAVINGS

FOR INDEPENDANT CASE STUDY AND ENERGY SAVINGS PROPOSAL
CONTACT CITO PRODUCTS: support@pulsecooling.com

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StackPulse™ Benefits

1. Direct control over **MOLD SURFACE TEMPERATURE** - not just waterline
2. **QUICK WARM UP**, only the very molding surface reaches temperature, not the entire mold
3. **HIGHER PRODUCTION OUTPUT** - full flow, turbulent cooling with cold water
4. **HIGHER QUALITY PARTS** through gradient dissipation during soak period
5. **OPTIMIZING OF THE MOLDING CYCLE** - continues feed back of **mold surface** temperature
6. **ELIMINATES THERMAL DRIFT** (warp, sinks, distortion and inconsistent fill)
7. **PRECISION CONTROL OF MOLDING SURFACE TEMPERATURE** results in predictable Parts through compensation and correction of:

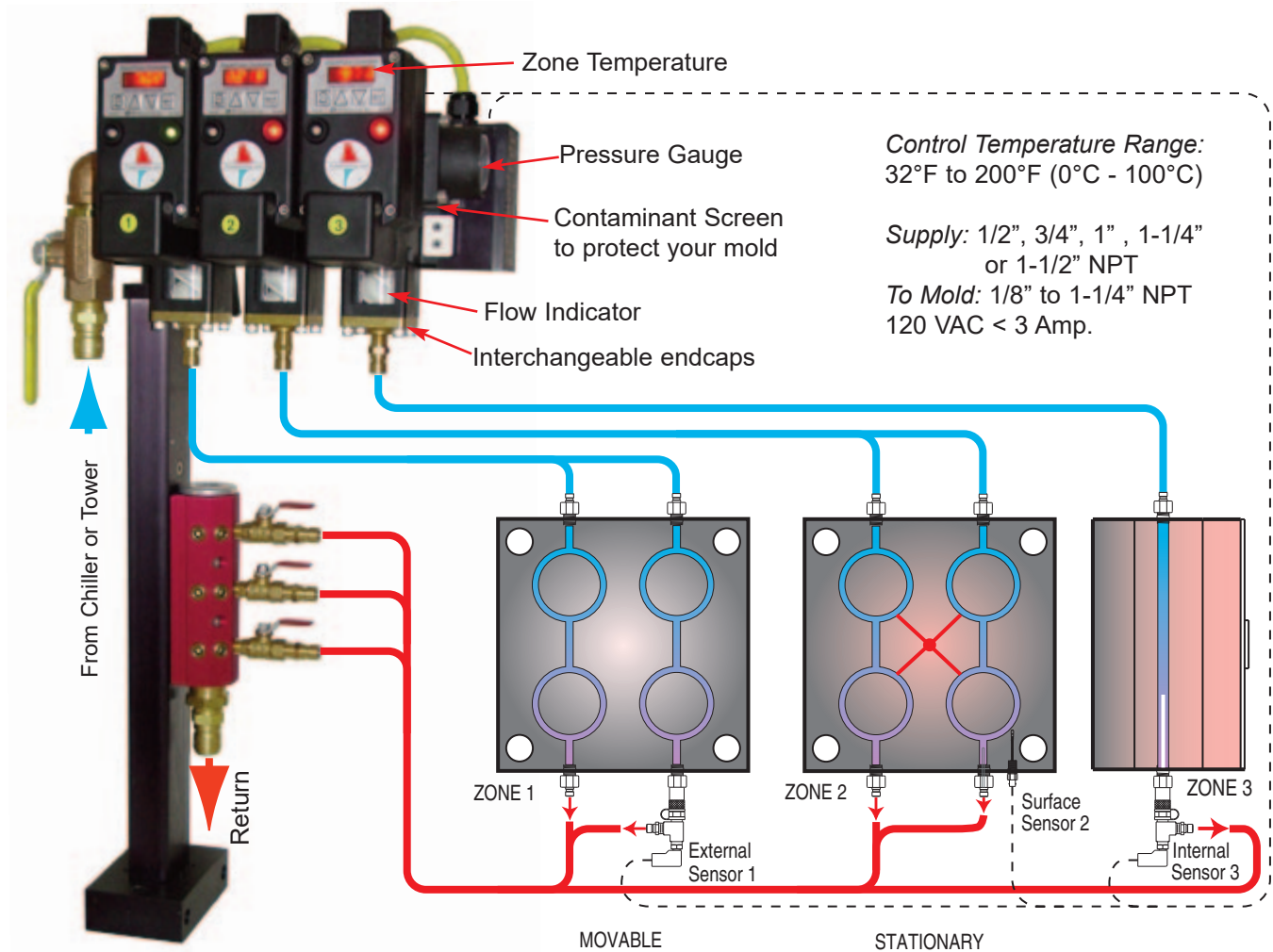


Ambient Temperature changes
Water supply pressure changes
Back pressure changes
Water Temperature changes (chiller or tower)
Cycle changes (manual operation)
Platen and machine temperature changes
Day and night shift changes
Partial plant shut down - (flow / pressure / temp. changes)
Reduced Cycle Time Due to More Aggressive (Cold Water) Cooling

PC-PRICE-24-0726

StackPulse™ Controllers

For Mold Surface or waterlines sensors, Consistently higher parts quality,
In Port 1/2" through 1-1/2" NPT
Outputs 1/8" through 1-1/4" NPT



M - Machine Mount



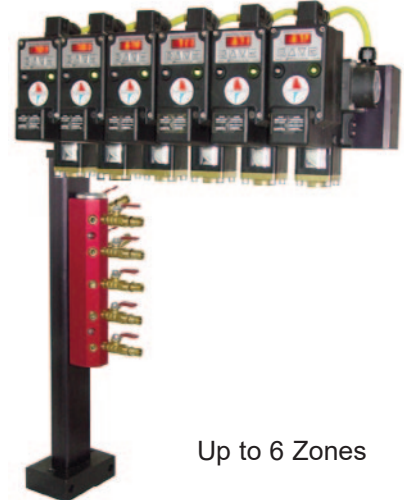
Up to 6 Zones
(2 Shown)

S - Swing Mount



Up to 6 Zones
(4 Shown)

P - Post Swing Mount



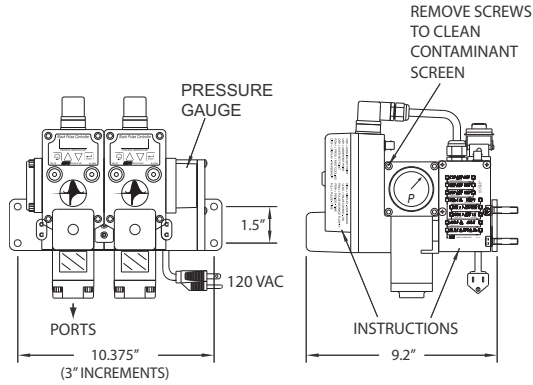
Up to 6 Zones

For Dimensions - see page 5

StackPulse™ Controllers - 120 / 240 Volt AC

Machine Mount

WMA-1200



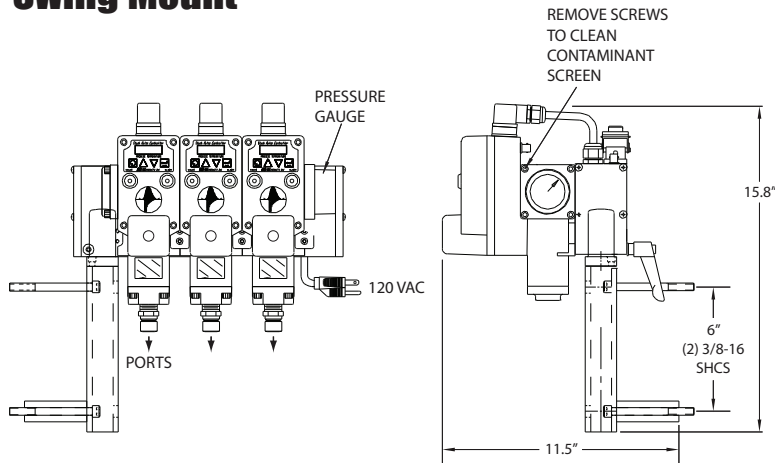
Specify In/Out Fittings separately

M	M	A - 2	X	X	X
D = Direct M = Machine S = Swing P = Post M = Mount		# Zones 1 - 6 A = Assy	01 (Serial #) VOLTAGE 0 = SPECIFY 1 = 24V AC 2 = 120V AC 4 = 240V AC		

Contact Factory for Pricing

Swing Mount

WMA-1380



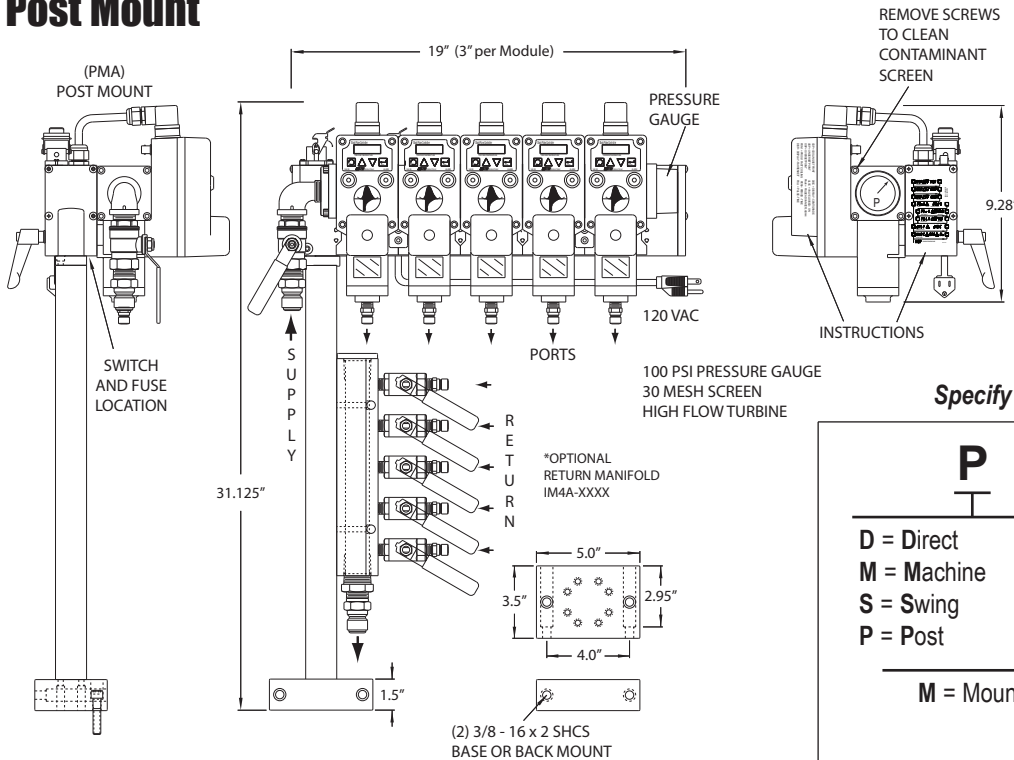
Specify In/Out Fittings separately

S	M	A - 3	X	X	X
D = Direct M = Machine S = Swing P = Post M = Mount		# Zones 1 - 6 A = Assy	01 (Serial #) VOLTAGE 0 = SPECIFY 1 = 24V AC 2 = 120V AC 4 = 240V AC		

Contact Factory for Pricing

Post Mount

WMA-1120



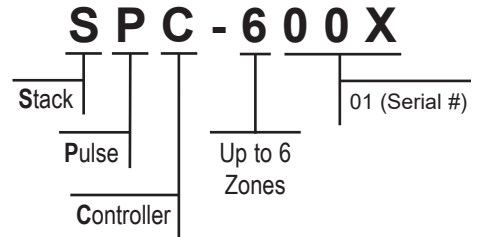
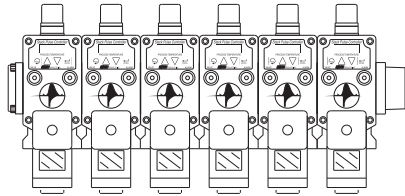
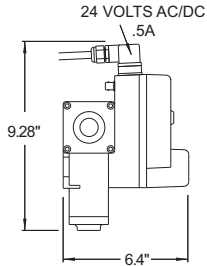
Specify In/Out Fittings separately

P	M	A - 5	X	X	X
D = Direct M = Machine S = Swing P = Post M = Mount		# Zones 1 - 6 A = Assy	01 (Serial #) VOLTAGE 0 = SPECIFY 1 = 24V AC 2 = 120V AC 4 = 240V AC		

Contact Factory for Pricing

StackPulse™ Controllers - StackValve - 24 Volt ACDC

SPC-600X-
YY-MMDD

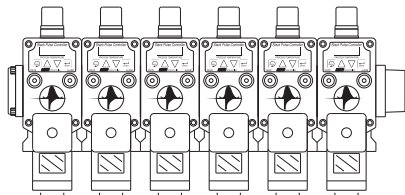


Contact Factory for Pricing

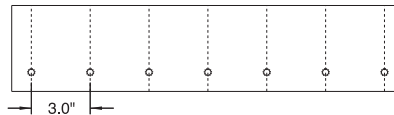
Direct Mount

DMA-6XXX

6 ZONES

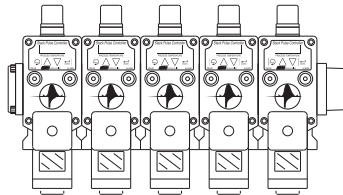


MOUNTING AREA

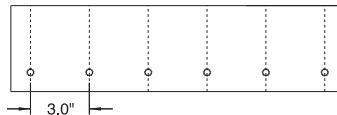


DMA-5XXX

5 ZONES

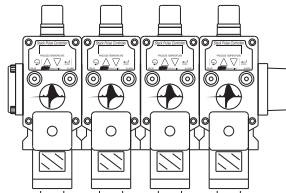


MOUNTING AREA

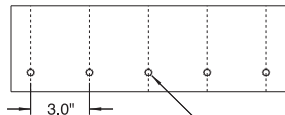


DMA-4XXX

4 ZONES

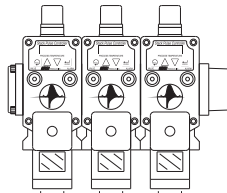


MOUNTING AREA

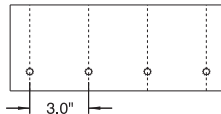


DMA-3XXX

3 ZONES

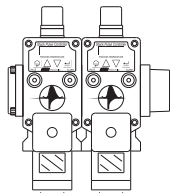


MOUNTING AREA

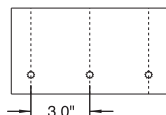


DMA-2XXX

2 ZONES

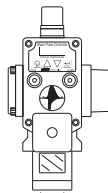


MOUNTING AREA

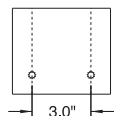


DMA-1XXX

1 ZONE



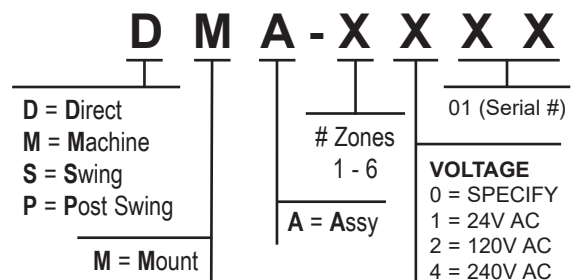
MOUNTING AREA



Any Port Combination

Supply	Out Ports
1/2"	1/8"
3/4"	1/8" (4)
1"	1/4"
1-1/4"	1/4" (2)
1-1/2"	1/4" (4)
	3/8"
	3/8" (2)
	3/8" (4)
	1/2"
	1/2" (2)
	3/4"
	1"
	1-1/4"

Specify In/Out Fittings separately

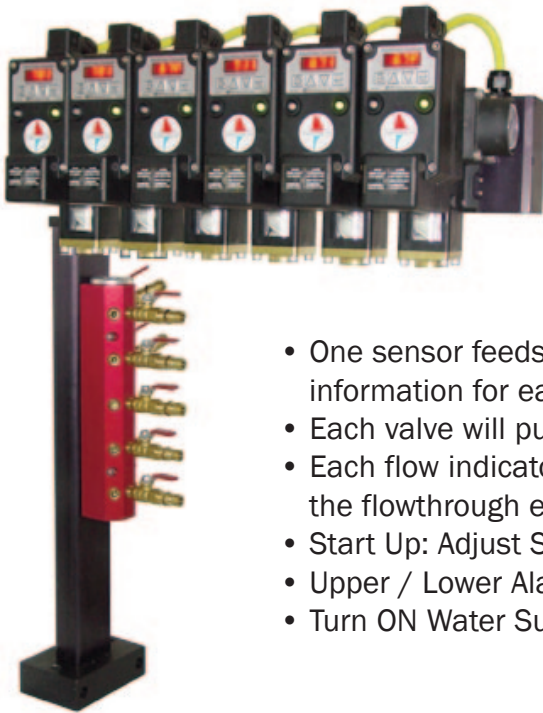


Contact Factory for Pricing

PC-PRICE-25-0219

PulseCooling™ Controllers - Post Mount

SPC - StackPulse Controller - 6 Zone



- One sensor feeds the temperature information for each cycle
- Each valve will pulse cool independently
- Each flow indicator turbine will show the flowthrough each circuit
- Start Up: Adjust Set Point
- Upper / Lower Alarm
- Turn ON Water Supply/ Return

Up to 6 Zones Cooling

Temperature range: 32 °F to 200 °F (0 °C - 100 °C)

Voltage: 120 VAC / 240 VAC or 24 Volts AC/DC

MODEL CODE

SPC - PMA - 6 0 0 X

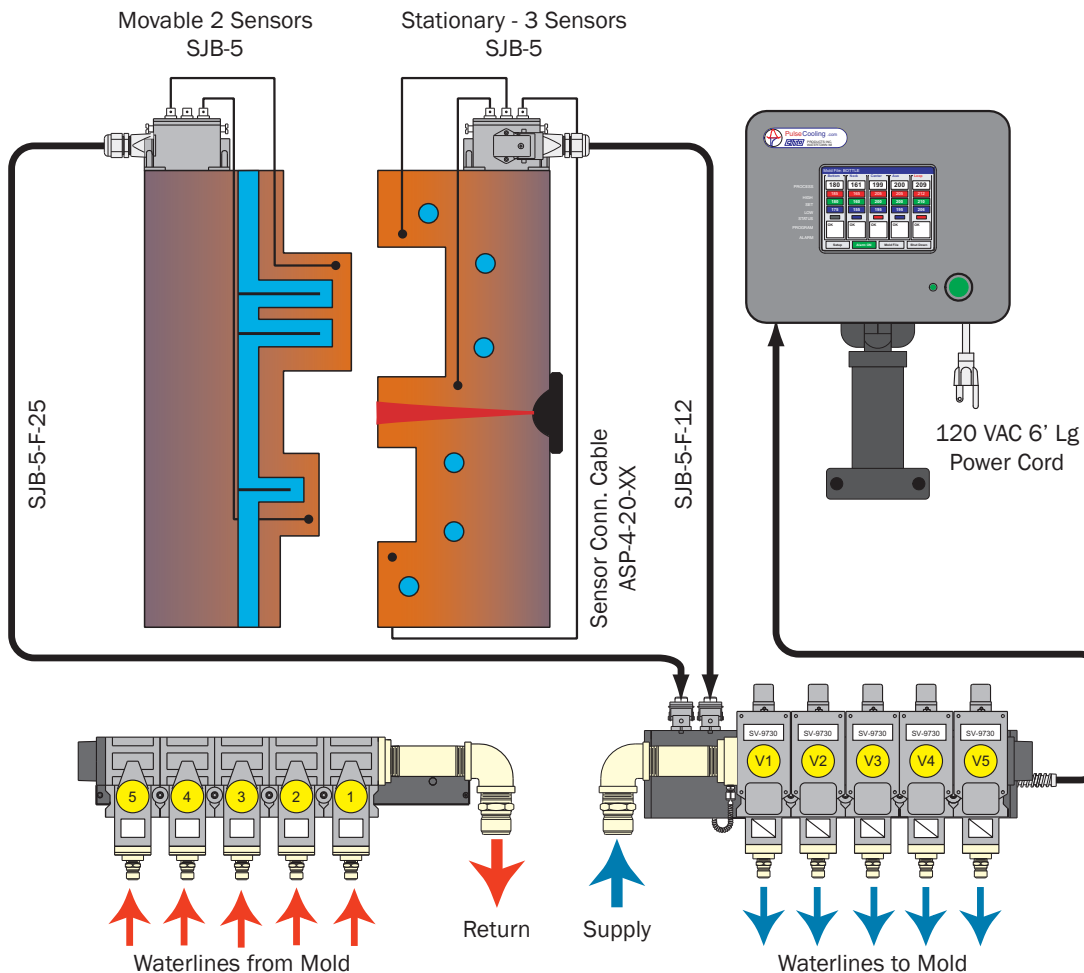
SERIAL #

ZONE

POST MOUNT A'SSY

STACK PULSE CONTROLLER

Contact Factory for Pricing



PC-PRICE-25-0219

PulseCooling™ Controllers - 5 Zone Cooling

PulseCooling™
Touch Screen Controller
5 Zone Cooling
Model: PC5-120



Available with 10 Zones
Used with Model PCX Controller

MODEL CODE

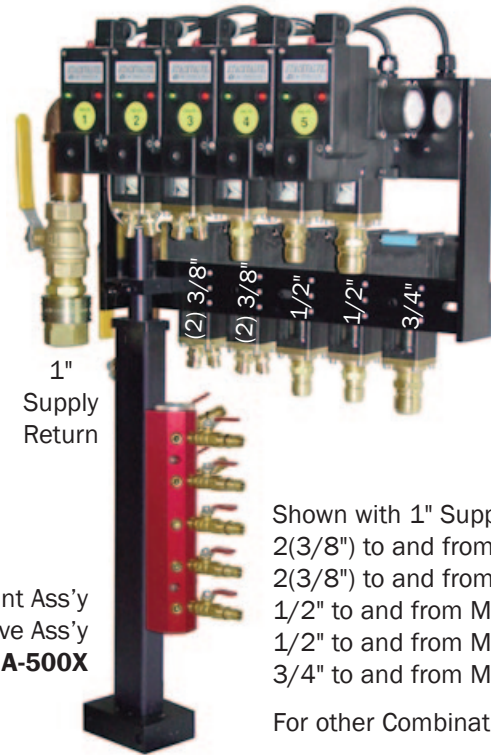
PC5 - PMA - 500X

SERIAL #

POST MOUNT ASSY

PulseCooling™ 5 ZONES

Contact Factory for Pricing



1"
Supply
Return

Post Mount Ass'y
5 Zone Cooling Valve Ass'y
Model: PMA-500X

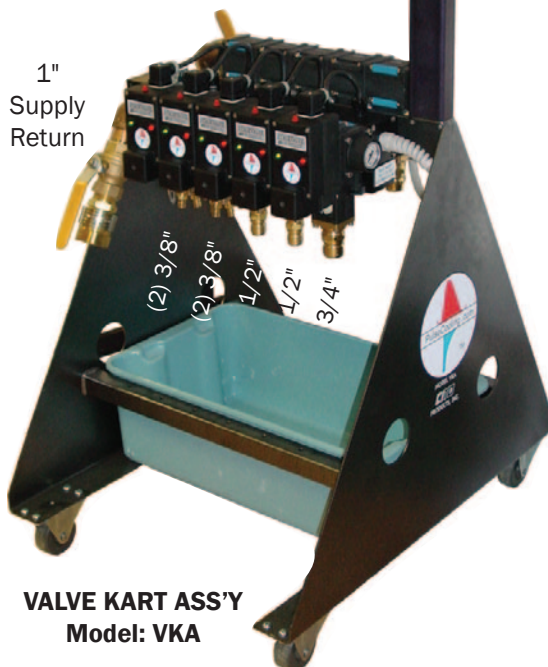
Shown with 1" Supply / Return
2(3/8") to and from Mold Conn
2(3/8") to and from Mold Conn
1/2" to and from Mold Conn
1/2" to and from Mold Conn
3/4" to and from Mold Conn

For other Combination - Specify

Model: PC5



1"
Supply
Return



VALVE KART ASS'Y
Model: VKA

LOW TEMPERATURE MOLDING
When Melt Provides the Start Up Heat

HIGH TEMPERATURE MOLDING
Design Mold with Electric Heaters

- Precision Molding
- High Volume Molding
- Hot Runner Control
- Family Molds

Shown with 1" Supply / Return
2(3/8") to and from Mold Connection
2(3/8") to and from Mold Connection
1/2" to and from Mold Connection
1/2" to and from Mold Connection
3/4" to and from Mold Connection

For other Combination - Specify

Available with 10 Zones
Used with Model PCX Controller

MODEL CODE

PC5 - VKA - 500X

SERIAL #

VALVE KART ASS'Y

PulseCooling™ 5 ZONES

Contact Factory for Pricing

PC-PRICE-25-0321

StackFlow™ Modular Valve/Diagram

2D - CAD

StackPort™

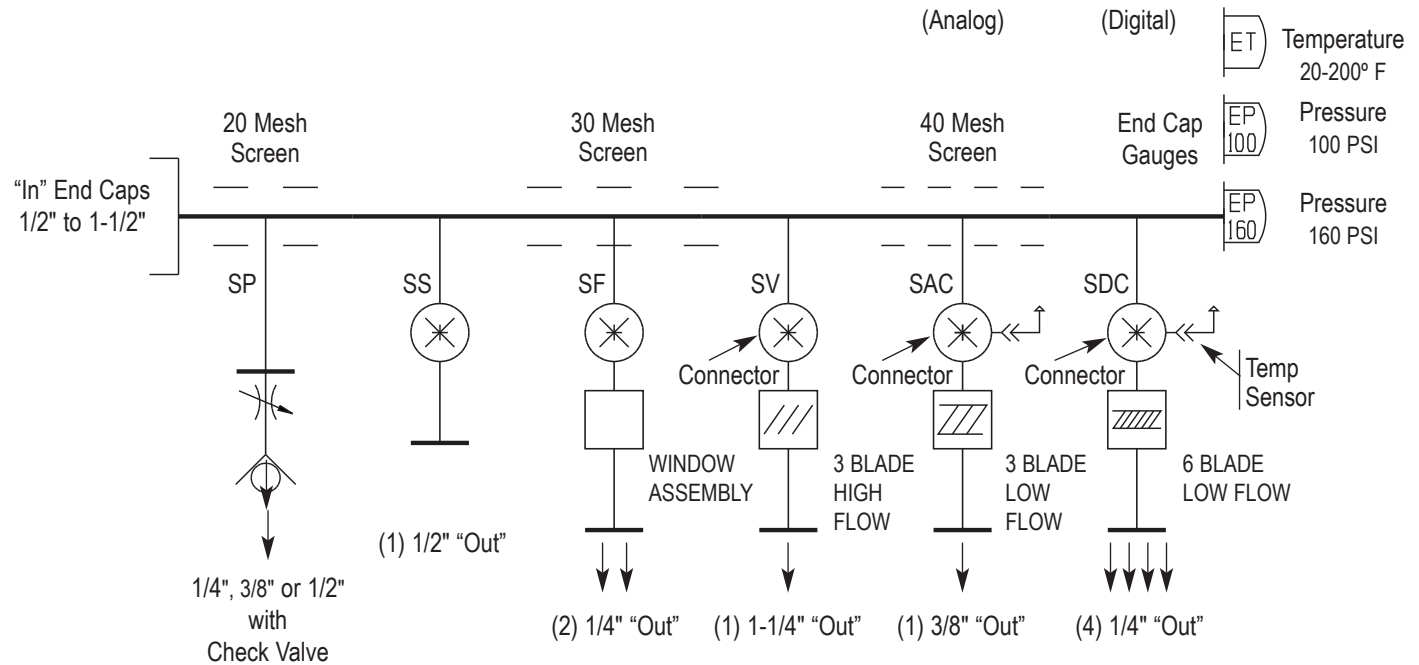
StackShort™

StackFlow™

StackValve™

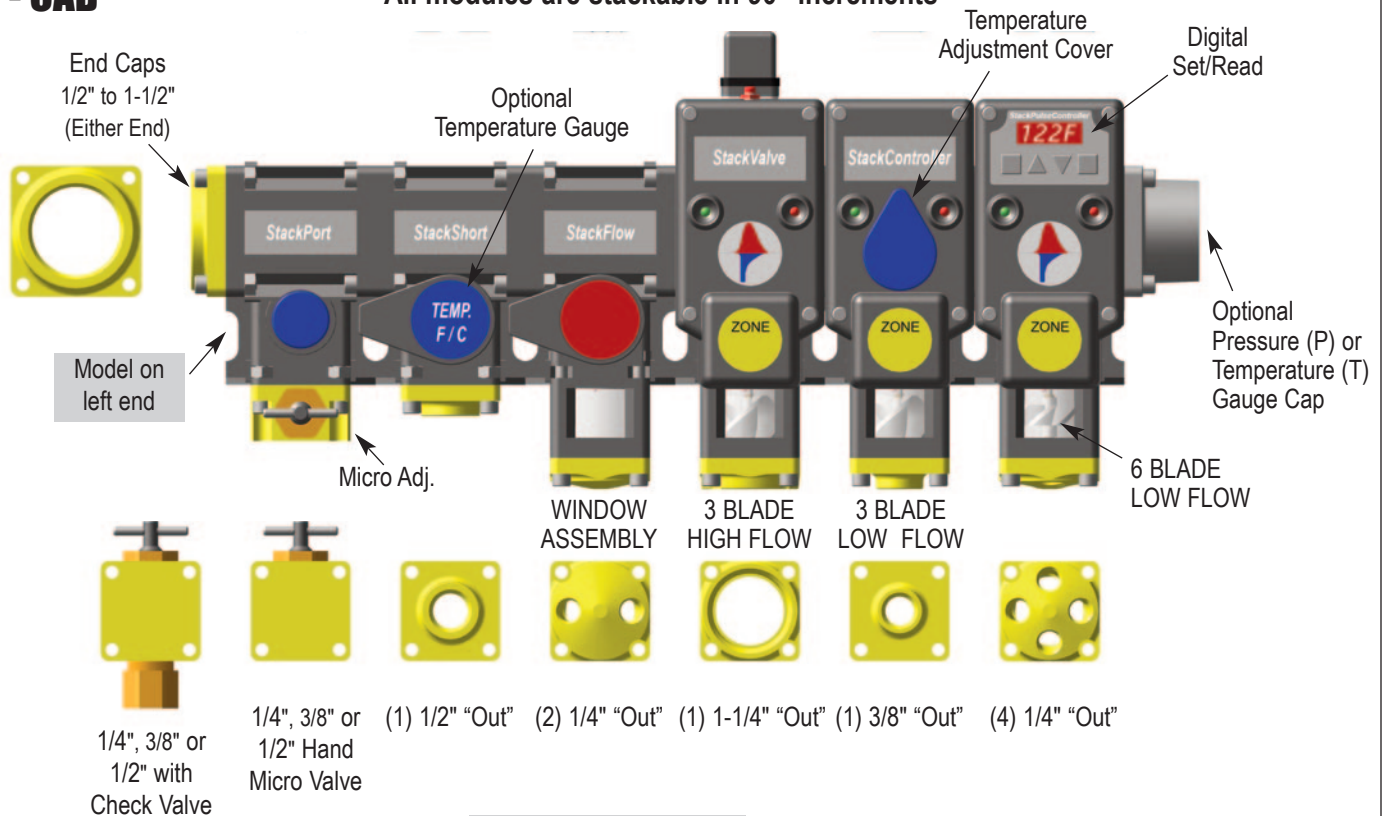
**StackAnalog
Controller™**
(Analog)

**StackPulse
Controller™**
(Digital)



3D - CAD

All modules are stackable in 90° increments



Model on left side - First Left Module
SPA = StackPort Ass'y
SSA = StackShort Ass'y
SFA = StackFlow Ass'y
SVA = StackValve Ass'y
SAA = StackAnalog Ass'y
SDA = StackDigital Ass'y

MODEL: **SPA - 6000 - YY-MMDD**
SERIAL: **Sequential Serial**
Modules

PC-PRICE-24-0717

StackFlow™ Modular Hand Valves

THE STACK-MODULES PROVIDE A MYRIAD OF APPLICATION COMBINATIONS.

All Valves have interchangeable Input End Ports from 1/2" to 1-1/2" NPT/BSPP/BSPT

Output Ports range from 1/8" to 1-1/4" and Multi-Port combination including Micro and Check Valves.

Pressure rating: 100 PSI - Temperature rating: 20°F - 160°F

Each Supply Module has an Internal Screen and the optional Pressure and - or - Temperature End Cap.

StackPort™

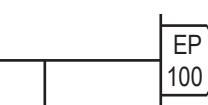
MODULE - SPA

Provides access to uninterrupted flow out-port



"In" End Caps
1/2" through 1-1/2"

* Valve Cap -
Micro Flow Adjustment



Pressure Gauge
*(0 to 100 PSI) EP-100
(0 to 160 PSI) EP-160
Temperature Gauge
(32° to 220° F) ET-200
End/Partition Plate

StackPort Assembly

In - 3/4"
Out - 1/2" Valve Cap
End - Pressure Gauge

SPA-1000\$170.00

StackShort™

MODULE - SSA

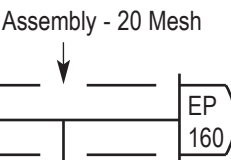
Provides manual restriction to the out-port



"In" End Caps
1/2" through 1-1/2"

Screen Assembly - 20 Mesh

"Out" End Cap



Pressure Gauge
(0 to 100 PSI) EP-100
*(0 to 160 PSI) EP-160
Temperature Gauge
(32° to 220° F) ET-200
End/Partition Plate

Hand Valve
Blue Supply (VB)
Red Return (VR)
*w/Temp. Gauge (VRT)

StackShort Assembly

In - 3/4"
Out - (4) 1/4"
Front - Temperature Gauge

SSA-1000\$120.00

StackFlow™

MODULE - SFA

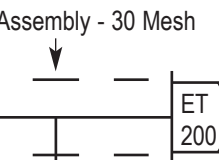
The Stack-Flow has a manual shut off valve and a flow indicating turbine



"In" End Caps
1/2" through 1-1/2"

Screen Assembly - 30 Mesh

Turbine Indicator:
Window only (no turbine)
*3 Blade High
3 Blade Low
6 Blade Low



Pressure Gauge
(0 to 100 PSI) EP-100
(0 to 160 PSI) EP-160
Temperature Gauge
*(32° to 220° F) ET-200
End/Partition Plate

Hand Valve
*Blue Supply (VB)
Red Return (VR)
w/Temp. Gauge (VBT)

StackFlow Assembly

In - 1"
Out - 1/2"
End - Temperature Gauge
Flow Indicating Turbine

SFA-1000\$180.00

StackValve™ Modular Electric Valve

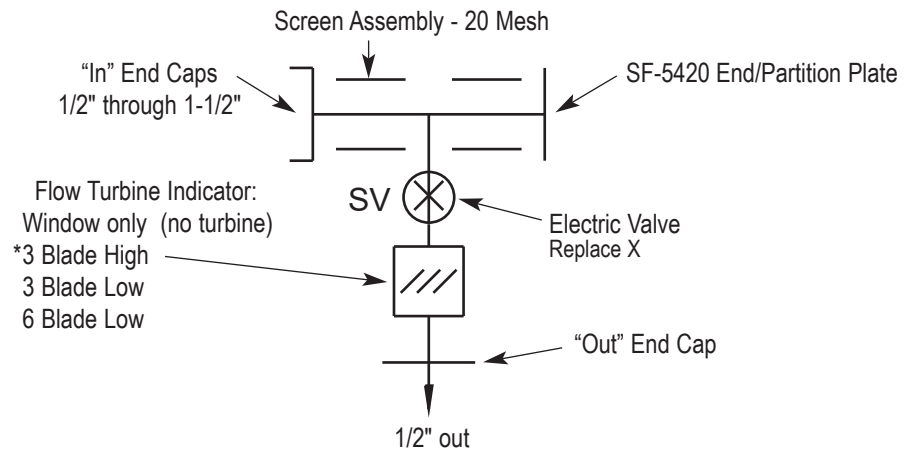
StackValve™

MODULE - SVA



Rotary Flow Turbine
for Indication
OR
Clip-on Digital
Flow Meter

Provides a NORMALLY CLOSED Pressure Differential Valve that is Electrically operated.
The Diaphragm is closed via a self cleaning Orifice.
L E D Indicator lights will provide the Valve status
Each Module has a Visual Flow Turbine that may be used with a Digital Flow Read out
Available with a Purge Button that activates the Valve.
Power Connection: 4 Pin Xall - 4 Pin DIN - 4 Pin Micro and 4 Pin Mini Water Proof Connector
Supply Volt - 24 V ACDC - 120 V AC - 240 V AC @ < 10 Watt



StackValve Assembly

In - 1"
Out - 1/2"
Flow Indicating Turbine

SVA-1000\$330.00

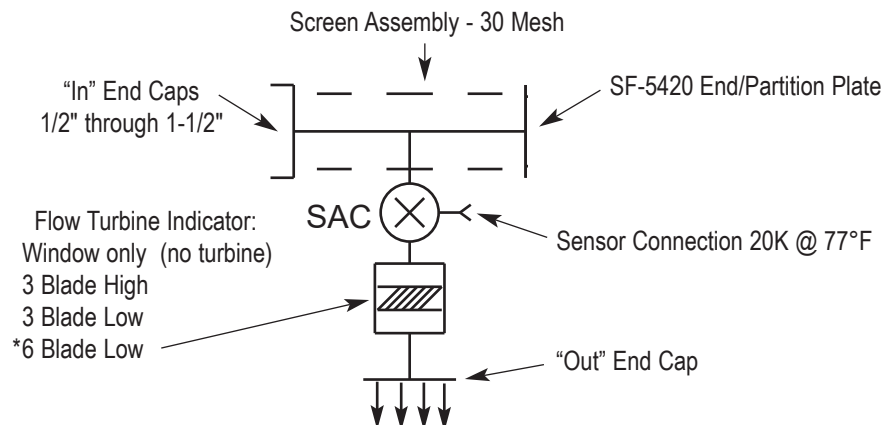
StackController™ Modular Analog Temperature Controller

StackAnalogController™MODULE - SAC



Rotary Flow Turbine
for Indication
OR
Clip-on Digital
Flow Meter

Provides a NORMALLY CLOSED Pressure Differential Valve that is Electrically operated.
The Diaphragm is closed via a self cleaning Orifice.
L E D Indicator lights will provide the Valve status
Each Module has a Visual Flow Turbine that may be used with a Digital Flow Read out
The Analog Dial is located below the splash proof Cover.
A broad selection of Sensors are available for temperature control.
Power Connection: 4 Pin Connexall - 4 Pin DIN - 4 Pin Micro and 4 Pin Mini Water Proof Connector
Supply Volt - 24 V ACDC - 120 V AC - 240 V AC @ < 10 Watt



StackAnalog Controller

In - 1" in
Out - (4) 1/4" out
Flow Indicating Turbine
120V AC with End Plate

SAC-1000\$ 400.00

PC-PRICE-24-1024

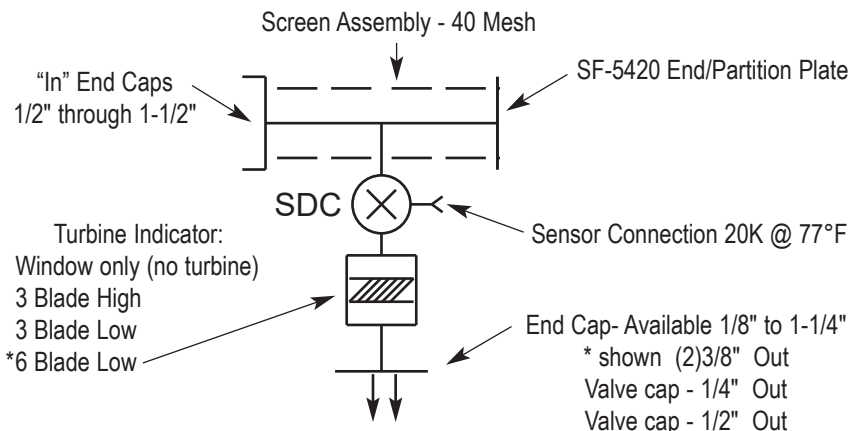
StackPulseController™ Modular Digital Temperature Controller

StackPulseController™ MODULE - SPC



Rotary Flow Turbine
for Indication
OR
Clip-on Digital
Flow Meter

Provides a NORMALLY CLOSED Pressure Differential Valve that is Electrically operated.
The Diaphragm is closed via a self cleaning Orifice.
L E D Indicator lights will provide the Valve status
Each Module has a Visual Flow Turbine that may be used with a Digital Flow Read out
A Key Board is used to set the Digital Set Point / Temperature Display.
Valve Status Indicator will provide continuous read out of Control Functions.
Power Connection.:4 Pin Connexall - 4 Pin DIN - 4 Pin Micro and 4 Pin Mini Water Proof Connector
Supply Volt - 24 V ACDC - 120 V AC - 240 V AC @ < 10 Watt



StackPulseController™

In - 1-1/4"
Out - (2) 3/8"
Rotary Flow Turbine

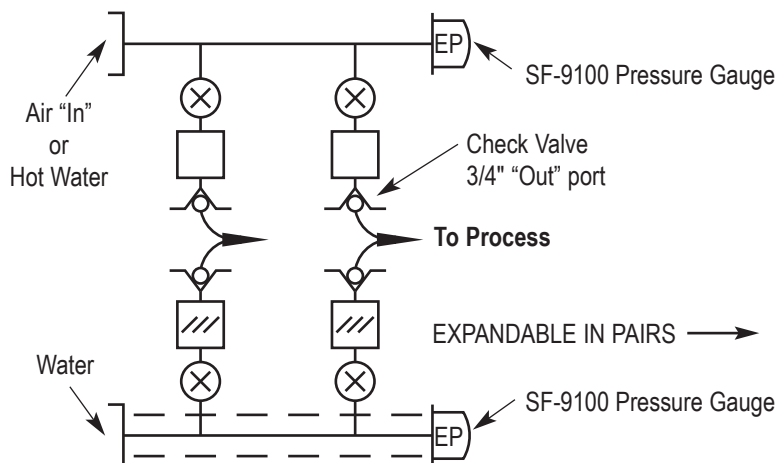
SPC-1000\$ 620.00

StackBack™ Valve

StackBack™ - Electric valve



For rapid change of temperature



StackBack™ Assembly for detail - Consult Factory

SBA-2000

For Custom Applications - Contact Factory

StackValve™ Top



	SVCA-4C	ConneXall 4 Conductor Plug Only	\$ 8.80
	SVCA-4C-72	ConneXall 4 Conductor 72" Cable Ass'y . .	\$ 18.00
	SVCA-3C	ConneXall 3 Conductor Plug Only	\$ 7.60
	SVCA-3C-36	ConneXall 3 Conductor 36" Cable Ass'y . .	\$ 17.40
	SVCC-12-72	Micro 12 Water Tight 72" Cable Ass'y . . .	\$ 26.00
	SVCC-22-72	Mini 22 Water Tight 72" Cable Ass'y	\$ 28.00
	SVCA-4D	Din Connector Plug Only	\$ 12.00
	SVPA-4D-72	Din Connector 72" Plug Assembly	\$ 32.00

	PART NO.	CONNECTION	VOLT	AMP	SENSOR	PURGE	ALARM	CABLE	PRICE
	SVT-3224	CORDED	24V ACDC	.3A	NO	NO	X	3 CONDUCTOR	\$ 98.00
	SVT-3324	CORDED	24V ACDC	.3A	NO	YES	X	3 CONDUCTOR	\$104.00
	SVT-4120	CORDED - US	120V AC	.1A	NO	NO	X	US CORD - 120V	\$ 98.00
	SVT-4240	CORDED - EU	240V AC	.05A	NO	NO	X	EU CORD - 240V	\$ 98.00
	SVT-5224	TERMINALS	24V ACDC	.3A	NO	NO	X	NONE	\$ 98.00
	SVT-5324	TERMINALS	24V ACDC	.3A	NO	YES	X	NONE	\$104.00
	SVT-5120	TERMINALS	120V AC	.1A	NO	NO	X	NONE	\$ 98.00
	SVT-5240	TERMINALS	240V AC	.05A	NO	NO	X	NONE	\$ 98.00
	SVT-6224	CONNEXALL	24V ACDC	.3A	NO	NO	X	USE WITH CONNEXALL PLUG CABLE ASSEMBLY	\$ 98.00
	SVT-6324	CONNEXALL	24V ACDC	.3A	NO	YES	X		\$104.00
	SVT-6424	CONNEXALL	24V ACDC	.3A	YES-YES	YES	X		\$118.00
	SVT-6120	CONNEXALL	120V AC	.3A	NO	NO	X		\$ 98.00
	SVT-6240	CONNEXALL	240V AC	.1A	NO	YES	X		\$ 98.00
	SVT-6360	CONNEXALL	120/240 AC	.07/.12A	NO	NO	X		\$128.00
	SVT-7224	MICRO - 12mm	24V ACDC	.1A	NO	NO	X	USE WITH MICRO 12MM WATER TIGHT CONNECTOR	\$108.00
	SVT-7324	MICRO - 12mm	24V ACDC	.3A	NO	YES	X		\$114.00
	SVT-7424	MICRO - 12mm	24V ACDC	.3A	YES	YES	X		\$128.00
	SVT-7120	MICRO - 12mm	120V AC	.3A	NO	NO	X		\$108.00
	SVT-7240	MICRO - 12mm	240V AC	.3A	NO	NO	X		\$108.00
	SVT-7360	MICRO - 12mm	120/240 AC	.07/.12A	NO	NO	X		\$138.00
	SVT-8224	MINI - 22mm	24V ACDC	.1A	NO	NO	X	USE WITH MINI 22MM WATER TIGHT CONNECTOR	\$114.00
	SVT-8324	MINI - 22mm	24V ACDC	.3A	NO	YES	X		\$120.00
	SVT-8424	MINI - 22mm	24V ACDC	.3A	YES	YES	X		\$134.00
	SVT-8120	MINI - 22mm	120V AC	.3A	NO	NO	X		\$114.00
	SVT-8240	MINI - 22mm	240V AC	.3A	NO	NO	X		\$114.00
	SVT-8360	MINI - 22mm	120/240 AC	.07/.12A	NO	NO	X		\$144.00
	SVT-9224	DIN	24V ACDC	.3A	NO	NO	X	USE WITH DIN CONNECTOR	\$ 98.00
	SVT-9324	DIN	24V ACDC	.3A	NO	YES	X		\$104.00
	SVT-9424	DIN	24V ACDC	.3A	YES	YES	X		\$118.00
	SVT-9120	DIN	120V AC	.3A	NO	NO	X		\$ 98.00
	SVT-9240	DIN	240V AC	.1A	NO	NO	X		\$ 98.00
	SVT-9360	DIN	120/240 AC	.07/.12A	NO	NO	X		\$128.00

PC-PRICE-24-0822

StackController™ Analog Top



	SVCA-4C	ConneXall 4 Conductor Plug Only	\$ 8.80
	SVCA-4C-72	ConneXall 4 Conductor 72" Cable Ass'y . .	\$ 18.00
	SVCA-3C	ConneXall 3 Conductor Plug Only	\$ 7.60
	SVCA-3C-36	ConneXall 3 Conductor 36" Cable Ass'y . .	\$ 17.40
	SVCC-12-72	Micro 12 Water Tight 72" Cable Ass'y . . .	\$ 26.00
	SVCC-22-72	Mini 22 Water Tight 72" Cable Ass'y	\$ 28.00
	SVCA-4D	Din Connector Plug Only	\$ 12.00
	SVPA-4D-72	Din Connector 72" Plug Assembly	\$ 32.00

	PART NO.	CONNECTION	VOLT	AMP	SENSOR	PURGE	ALARM	CABLE	PRICE
	SAT-4524	CORDED	24V ACDC	.3A	YES	NO	X	3 CONDUCTOR	\$174.00
	SAT-4120	CORDED - US	120V AC	.1A	YES	NO	X	US CORD - 120V	\$174.00
	SAT-4240	CORDED - EU	240V AC	.05A	YES	NO	X	EU CORD - 240V	\$174.00
	SAT-5524	TERMINAL	24V ACDC	.3A	YES	NO	X		\$168.00
	SAT-5360	TERMINAL	120/240 AC	.07/.12A	NO	NO	X		\$174.00
	SAT-6624	CONNEXALL	24V ACDC	.3A	YES-YES	NO	YES	USE WITH CONNEXALL PLUG CABLE ASS'Y	\$198.00
	SAT-6360	CONNEXALL	120/240 AC	.07/.12A	YES	NO	YES		\$212.00
	SAT-7624	MICRO - 12mm	24V ACDC	.3A	YES-YES	NO	YES	USE WITH MICRO 12MM WATER TIGHT CONNECTOR	\$208.00
	SAT-7360	MICRO - 12mm	120/240 AC	.12/.07A	YES	NO	YES		\$222.00
	SAT-8624	MINI - 22mm	24V ACDC	.3A	YES-YES	NO	YES	USE WITH MINI 22MM WATER TIGHT CONNECTOR	\$214.00
	SAT-8360	MINI - 22mm	120/240 AC	.12/.07A	YES	NO	YES		\$228.00
	SAT-9624	DIN	24V ACDC	.3A	YES-YES	NO	YES	USE WITH DIN CONNECTOR	\$198.00
	SAT-9360	DIN	120/240 AC	.12/.07A	YES	NO	YES		\$212.00

PC-PRICE-24-0808

StackPulse Controller™ Digital Top



	SVCA-4C	ConneXall 4 Conductor Plug Only	\$ 8.80
	SVCA-4C-72	ConneXall 4 Conductor 72" Cable Ass'y . .	\$ 18.00
	SVCA-3C	ConneXall 3 Conductor Plug Only	\$ 7.60
	SVCA-3C-36	ConneXall 3 Conductor 36" Cable Ass'y . .	\$ 17.40
	SVCC-12-72	Micro 12 Water Tight 72" Cable Ass'y . . .	\$ 26.00
	SVCC-22-72	Mini 22 Water Tight 72" Cable Ass'y	\$ 28.00
	SVCA-4D	Din Connector Plug Only	\$ 12.00
	SVPA-4D-72	Din Connector 72" Plug Assembly	\$ 32.00

	PART NO.	CONNECTOR	VOLT	AMP	SENSOR	PURGE	ALARM	CABLE	PRICE
	SDT-4120	CORDED - US	120V AC	.1A	YES	NO	X	US CORD 120V	\$468.00
	SDT-4240	CORDED - EU	240V AC	.05A	YES	NO	X	EU CORD 240V	\$468.00
	SDT-6524	CONNEXALL	24V ACDC	.3A	YES	NO	X	USE WITH CONNEXALL PLUG CABLE ASS'Y	\$468.00
	SDT-7524	MICRO - 12mm	24V ACDC	.3A	YES	NO	X	USE WITH MICRO 12MM WATER TIGHT CONNECTOR	\$478.00
	SDT-8524	MINI - 22mm	24V ACDC	.3A	YES	NO	X	USE WITH MINI 22MM WATER TIGHT CONNECTOR	\$484.00
	SDT-9524	DIN	24V ACDC	.3A	YES	NO	X	USE WITH DIN CONNECTOR	\$468.00
	SDT-9360	DIN	120/240 ACDC	.05A	YES	NO	X		\$488.00

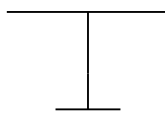
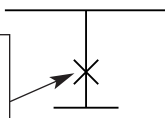
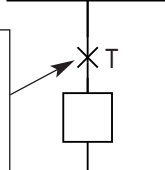
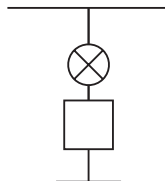
PC-PRICE-24-0717



Power Supply - For up to 8 Valves
2 POLE TERMINAL BLOCK
Input - 100-240V AC
Output - 24V - 2.5A

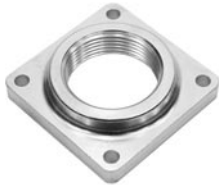
PS-24-2.5 \$ 60.00

StackPort™ / StackShort™ / StackFlow™ / StackValve™ - Modular Valve Bodies

StackPort™ Body 	Includes: (2) "O" RINGS 082-228-E70 (1) "O" RING 082-221-E70 (1) valve port cover (blue) SF-5508-B (1) valve port cover (red) SF-5508-R StackPort™ Body (With blue cover) # SP-1000-B \$ 29.00 StackPort™ Body (With red cover) # SP-1000-R \$ 29.00	
StackShort™ Hand Valve 	Includes: (2) "O" RINGS 082-228-E70 (1) "O" RING 082-221-E70 (1) "O" RING DISC SF-5514 (1) blue valve handle cover (1) red valve handle cover StackShort™ Body (With blue valve cover) # SS-1000-B \$ 47.00 StackShort™ Body (With red valve cover) # SS-1000-R \$ 47.00 StackShort™ Body with Temperature Gauge (With blue valve cover) # SS-1002-B \$ 69.00 (With red valve cover) # SS-1002-R \$ 69.00	 Hand Valve Blue Supply (B) Red Return (R) w/Temp. Gauge (T)
StackFlow™ Hand Valve - with Window Extension 	Includes: (2) "O" RINGS 082-228-E70 (2) "O" RING 082-221-E70 (1) red valve handle cover (1) blue valve handle cover StackFlow™ Body (With blue valve cover) # SF-1000-B \$ 60.00 StackFlow™ Body (With red valve cover) # SF-1000-R \$ 60.00 StackFlow™ Body with Temperature Gauge (With blue valve cover) # SF-1002-B \$ 82.00 (With red valve cover) # SF-1002-R \$ 82.00	 Hand Valve Blue Supply (B) Red Return (R) w/Temp. Gauge (T)
StackValve™ StackController™ StackPulse Controller™ 	Includes: (2) "O" RINGS 082-228-E70 (2) "O" RING 082-221-E70 Diaphragm Ass'y SV-1260 StackValve™ Body # SV-1000 \$ 188.00	

PC-PRICE-24-0808

Stack™ End Parts (1 = 1/8")

	“IN” End Cap NOTE: All endcaps are available in: N = NPT P = BSPP T = BSPT	1/2" 3/4" 1" 1-1/4" 1-1/2"	EC-3401-N \$ 42.25 EC-3601-N \$ 42.25 EC-3801-N \$ 42.25 EC-3101-N \$ 42.25 EC-3121-N \$ 42.25
	“OUT” End Cap NOTE: All endcaps are available in: N = NPT P = BSPP T = BSPT	1/8" 1/8" (4) 1/4" 1/4" (2) 1/4" (4) 3/8" 3/8" (2) 3/8" (4) 1/2" 1/2" (2) 3/4" 1" 1-1/4"	EC-2011-N \$ 35.75 EC-2014-N \$ 35.75 EC-2021-N \$ 35.75 EC-2022-N \$ 35.75 EC-2024-N \$ 35.75 EC-2031-N \$ 35.75 EC-2032-N \$ 35.75 EC-2034-N \$ 35.75 EC-2041-N \$ 35.75 EC-2042-N \$ 35.75 EC-2061-N \$ 35.75 EC-2081-N \$ 35.75 EC-2101-N \$ 35.75
	End Cover		SF-5420 \$ 5.75
	End Temperature Cap 20° to 200° F		SF-9220 \$ 33.80
	End Pressure Cap - (EP-100) 0 to 100 PSI End Pressure Cap - (EP-160) 0 to 160 PSI		SF-9100 \$ 33.80 SF-9160 \$ 33.80
	Valve Cap (HAND MICRO VALVE)	1/4" 3/8" 1/2"	VC-2902 \$ 65.00 VC-2903 \$ 70.00 VC-2904 \$ 86.00
	Check Valve	1/4" 3/8" 1/2"	CV-1202-MF \$ 28.00 CV-1203-MF \$ 34.00 CV-1204-MF \$ 42.00
	Check Cap (HAND MICRO) WITH CHECK VALVE	1/4" 3/8" 1/2"	VCA-2902 \$ 93.00 VCA-2903 \$104.00 VCA-2904 \$128.00

PC-PRICE-25-0129

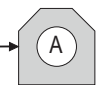
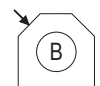
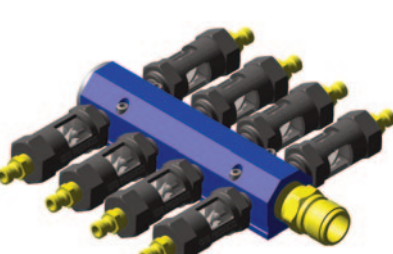
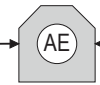
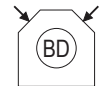
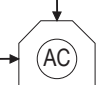
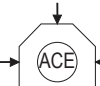
MiniFlow™ Products (1 = 1/16")

 BSPT - 1 Notch BSPP - 2 Notches	MF - 4 - 4 - N MiniFlow 4 = 1/4" IN 6 = 3/8" IN 4 = 1/4" OUT 6 = 3/8" OUT N = National Pipe Taper (USA) P = Parallel Pipe T = Tapered Pipe MiniFlow™\$125.00				
	MiniFlow™ Flow Checker <table style="width: 100%;"> <tr> <td style="width: 30%;">1/4"</td> <td>MF-4-4-C-C\$140.00</td> </tr> <tr> <td>3/8"</td> <td>MF-6-6-C-C\$142.00</td> </tr> </table>	1/4"	MF-4-4-C-C\$140.00	3/8"	MF-6-6-C-C\$142.00
1/4"	MF-4-4-C-C\$140.00				
3/8"	MF-6-6-C-C\$142.00				

*Part Number Code: **MF4-IM3-A4-NBSC**

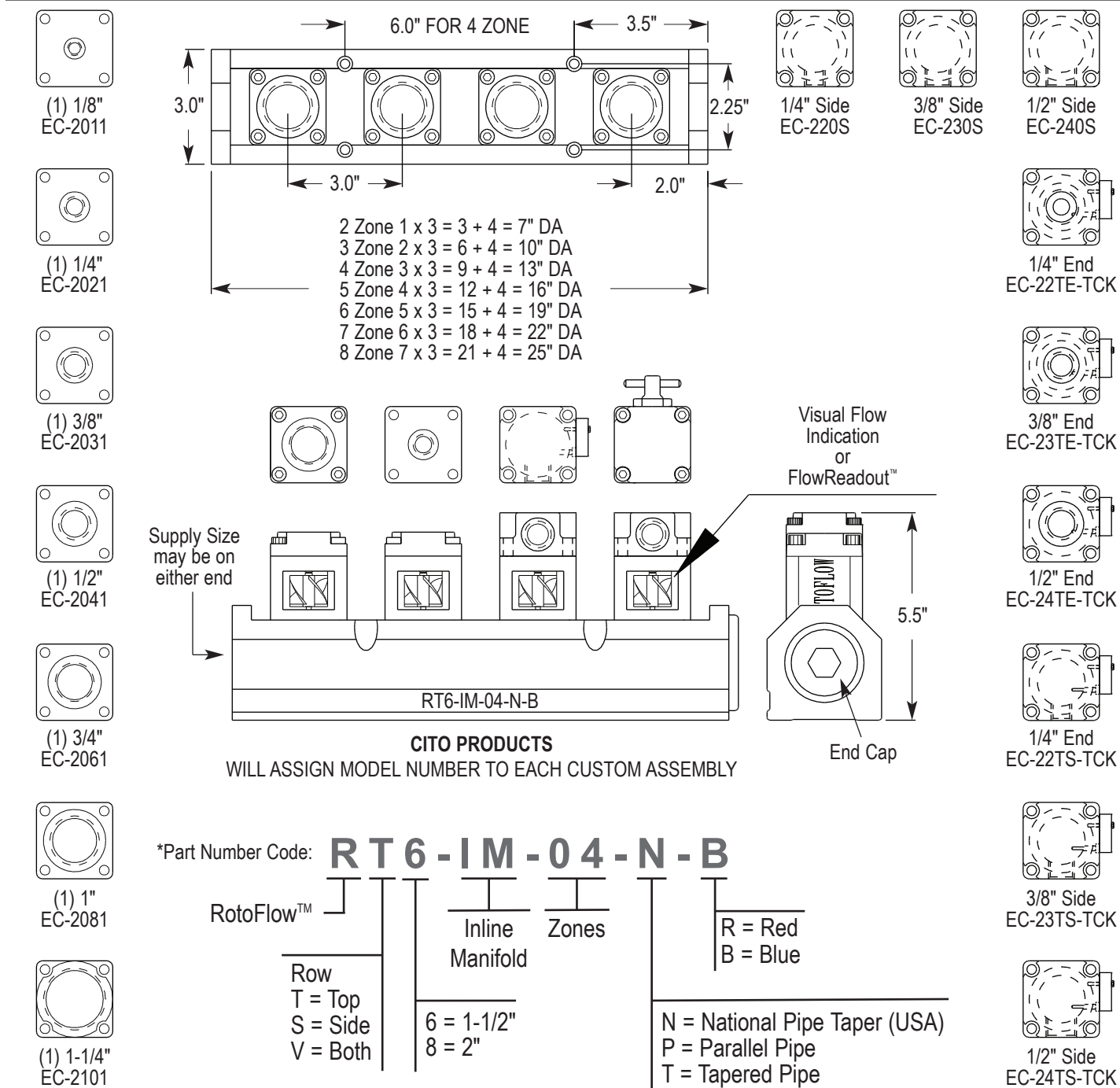
MiniFlow™ 4 = 1/4" OUT 6 = 3/8" OUT	Inline Manifold IM3 = 3/4" IN IM4 = 1" IN	Thread Type: N = NPT P = BSPP T = BSPT	"C" Type (OUT) "S" Type (IN) R = Red B = Blue	IM3 = \$140.00 for MiniFlow™ IM4 = \$160.00 for MiniFlow™
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OUT on side A / B / C / AE / BD / AC / ACE OUT Ports: 2 / 4 / 6 / 8 / 12 / 16 / 18 / 24

 MF4-IM3-A4-NBSC		3/4" IN - MiniFlow 1/4" Ports	1" IN - MiniFlow 3/8" Ports
		MF4-IM3 - A2 / 4 / 6 / 8	MF6-IM4 - A2 / 4 / 6 / 8
		MF4-IM3 - B2 / 4 / 6 / 8	MF6-IM4 - B2 / 4 / 6 / 8
 MF6-IM4-AE8-NBSC		MF4-IM3 - AE4 / 8 / 12 / 16	MF6-IM4 - AE4 / 8 / 12 / 16
		MF4-IM3 - BD4 / 8 / 12 / 16	MF6-IM4 - BD4 / 8 / 12 / 16
		MF4-IM3 - AC4 / 8 / 12 / 16	MF6-IM4 - AC4 / 8 / 12 / 16
		MF4-IM3 - ACE6 / 12 / 18 / 24	MF6-IM4 - ACE6 / 12 / 18 / 24

PC-PRICE-25-0225

RotoLine™ Flow Indicating Manifold



PC-PRICE-24-0822

Price Quoted upon Request. Call CITO Products

RotoFlow™ Assembly/Fittings - (1 = 1/16")

CALIBRATED WITH FLOW STRAIGHTENER (MIN LENGTH 5X PIPE DIA.)



High Flow Turbine
RotoFlow™ Use (4) 1/4-20 x 2-1/4" SHCS

Port In	Port Out	Gpm	Lpm	Model	Price
1/4"	1/4"	1-5	4-20	RFH-0404	\$185.00
3/8"	3/8"	1-12	4-46	RFH-0606	\$185.00
1/2"	1/2"	1-22	4-82	RFH-0808	\$185.00
3/4"	3/4"	1-40	4-152	RFH-1212	\$185.00
1"	1"	1-60	4-400	RFH-1616	\$185.00
1-1/4"	1-1/4"	1-60	4-400	RFH-2020	\$185.00



Low Flow Turbine
RotoFlow™ Use (4) 1/4-20 x 2-1/4" SHCS

Port In	Port Out	Gpm	Lpm	Model	Price
1/8"	1/8"	.5-2.4	2-9	RFL-0202	\$185.00
1/4"	1/4"	.5-5.2	2-20	RFL-0404	\$185.00
3/8"	3/8"	.5-8	2-30	RFL-0606	\$185.00
1/2"	1/2"	.5-10	2-38	RFL-0808	\$185.00



L-Low Flow Turbine
RotoFlow™ Use (4) 1/4-20 x 2-1/4" SHCS

Port In	Port	Gpm	Lpm	Model	Price
1/8"	1/8"	.2-8	.8-3	RF6-0202	\$185.00
1/4"	1/4"	.2-3.4	.8-14	RF6-0404	\$185.00
3/8"	3/8"	.2-4.0	.8-15	RF6-0606	\$185.00



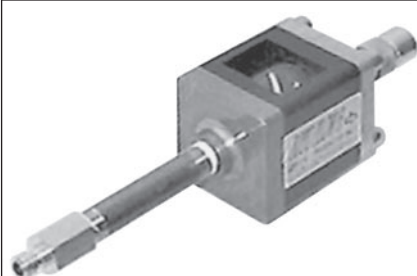
High Flow Turbine - Flow Certification - \$110/Request
RotoFlow™ with Quick Disconnect Fittings, use (4) 1/4-20 x 2-1/4" SHCS

Port	Gpm	Lpm	Q-Coupling	Model	Price
1/4"	1-5	4-20	"C" SERIES	RFH-0404-C	\$215.00
3/8"	1-12	4-46	"C" SERIES	RFH-0606-C	\$215.00
1/2"	1-22	4-82	"C" SERIES	RFH-0808-C	\$230.00
3/4"	1-40	4-152	"S" SERIES	RFH-1212-S	\$250.00
1"	1-60	4-400	"S" SERIES	RFH-1616-S	\$282.00
1-1/4"	1-60	4-400	"S" SERIES	RFH-2020-S	\$314.00



Low Flow Turbine
RotoFlow™ with Quick Disconnect Fittings, use (4) 1/4-20 x 2-1/4" SHCS

Port	Gpm	Lpm	Q-Coupling	Model	Price
1/8"	.5-2.4	2-9	"C" SERIES	RFL-0202-C	\$ 206.00
1/4"	.5-5.2	2-20	"C" SERIES	RFL-0404-C	\$ 209.00
3/8"	.5-8	2-30	"C" SERIES	RFL-0606-C	\$ 215.00
1/2"	.5-10	2-38	"C" SERIES	RFL-0808-C	\$ 231.00

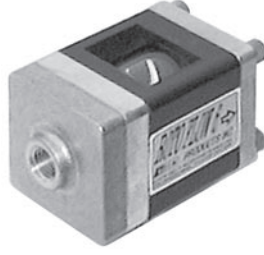
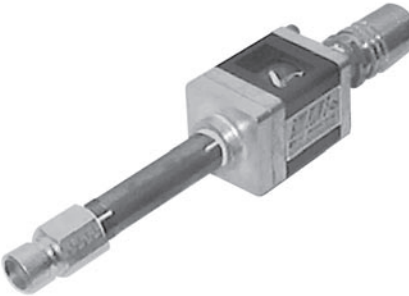
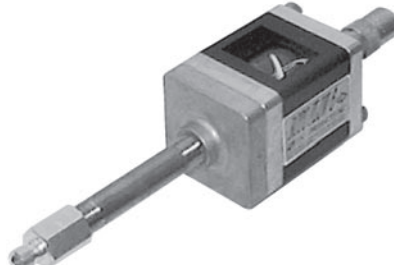


L-Low Flow Turbine
RotoFlow™ with Quick Disconnect Fittings, use (4) 1/4-20 x 2-1/4" SHCS

Port	Gpm	Lpm	Q-Coupling	Model	Price
1/8"	.2-8	.8-3	"C" SERIES	RF6-0202-C	\$ 206.00
1/4"	.2-3.4	.8-13	"C" SERIES	RF6-0404-C	\$ 209.00
3/8"	.2-4.0	.8-15	"C" SERIES	RF6-0606-C	\$ 215.00

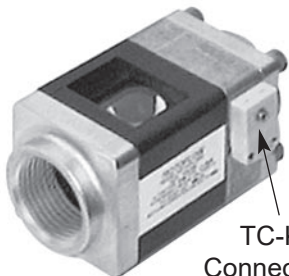
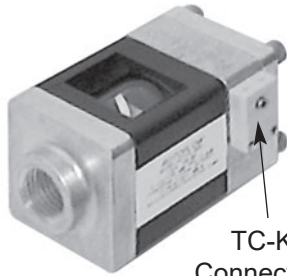
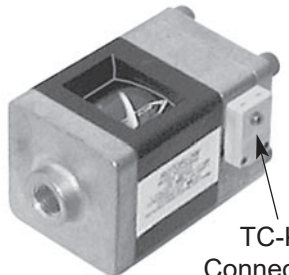
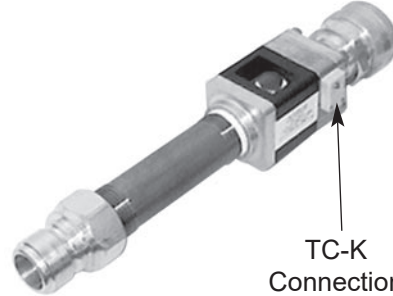
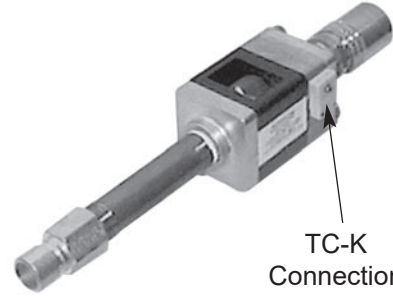
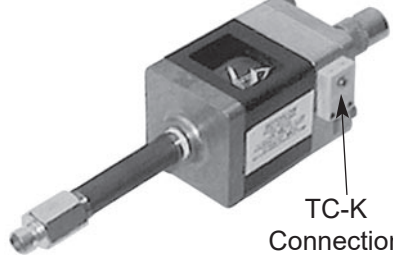
PC-PRICE-24-0717

RotoFlow™ with Screen Assembly (RS) - (1 = 1/16")

	CALIBRATED WITH FLOW STRAIGHTENER (MIN LENGTH 5X PIPE DIA.)	High Flow Turbine RotoFlow™ with Screen Insert, use (4) 1/4-20 x 2.6" SHCS					
		Port In	Port Out	Gpm	Lpm	Model	Price
		1/4"	1/4"	1-5	4-20	RSH-0404	...\$ 221.00
		3/8"	3/8"	1-12	4-46	RSH-0606	...\$ 221.00
		1/2"	1/2"	1-22	4-82	RSH-0808	...\$ 221.00
3/4"	3/4"	1-40	4-152	RSH-1212	...\$ 221.00		
1"	1"	1-60	4-400	RSH-1616	...\$ 221.00		
		Low Flow Turbine RotoFlow™ with Screen Insert, use (4) 1/4-20 x 2.6" SHCS					
		Port In	Port Out	Gpm	Lpm	Model	Price
		1/8"	1/8"	.5-2.4	2-9	RSL-0202	...\$ 221.00
		1/4"	1/4"	.5-5.2	2-20	RSL-0404	...\$ 221.00
		3/8"	3/8"	.5-8	2-30	RSL-0606	...\$ 221.00
1/2"	1/2"	.5-10	2-38	RSL-0808	...\$ 221.00		
		L-Low Flow Turbine RotoFlow™ with Screen Insert, use (4) 1/4-20 x 2.6" SHCS					
		Port In	Port Out	Gpm	Lpm	Model	Price
		1/8"	1/8"	.2-8	.8-3	RS6-0202	...\$ 221.00
		1/4"	1/4"	.2-3.4	.8-14	RS6-0404	...\$ 221.00
		3/8"	3/8"	.2-4.0	.8-15	RS6-0606	...\$ 221.00
		High Flow Turbine RotoFlow™ with Screen Insert and Quick Disconnect Fittings. Use (4) 1/4-20 x 2.6" SHCS					
		Port	Gpm	Lpm	Q-Coupling	Model	Price
		1/4"	1-5	4-20	"C" SERIES	RSH-0404-C	...\$ 250.00
		3/8"	1-12	4-46	"C" SERIES	RSH-0606-C	...\$ 250.00
		1/2"	1-22	4-82	"C" SERIES	RSH-0808-C	...\$ 267.00
		3/4"	1-40	4-152	"S" SERIES	RSH-1212-S	...\$ 286.00
		1"	1-60	4-400	"S" SERIES	RSH-1616-S	...\$ 318.00
		Low Flow Turbine RotoFlow™ with Screen Insert and Quick Disconnect Fittings. Use (4) 1/4-20 x 2.6" SHCS					
		Port	Gpm	Lpm	Q-Coupling	Model	Price
		1/8"	.5-2.4	2-9	"C" SERIES	RSL-0202-C	...\$ 243.00
		1/4"	.5-5.2	2-20	"C" SERIES	RSL-0404-C	...\$ 245.00
		3/8"	.5-8	2-30	"C" SERIES	RSL-0606-C	...\$ 250.00
		1/2"	.5-10	2-38	"C" SERIES	RSL-0808-C	...\$ 267.00
		L-Low Flow Turbine RotoFlow™ with Screen Insert and Quick Disconnect Fittings Use (4) 1/4-20 x 2.6" SHCS					
		Port	Gpm	Lpm	Q-Coupling	Model	Price
		1/8"	.2-8	.8-3	"C" SERIES	RS6-0202-C	...\$ 243.00
		1/4"	.2-3.4	.8-13	"C" SERIES	RS6-0404-C	...\$ 245.00
		3/8"	.2-4.0	.8-15	"C" SERIES	RS6-0606-C	...\$ 250.00

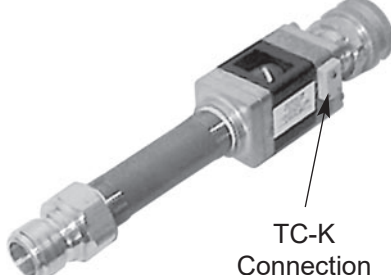
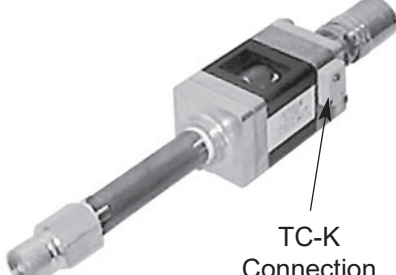
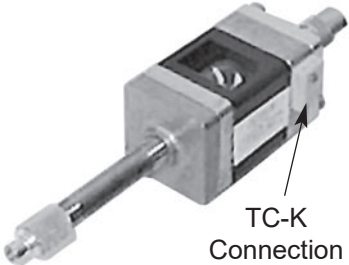
PC-PRICE-24-0717

RotoFlow™ with Temperature Insert (RT) - (1 = 1/16")

CALIBRATED WITH FLOW STRAIGHTENER (MIN LENGTH 5X PIPE DIA.)	 TC-K Connection	High Flow Turbine RotoFlow™ with Temperature Insert, use (4) 1/4-20 x 3" SHCS	<table><tr><th>Port In</th><th>Port Out</th><th>Gpm</th><th>Lpm</th><th>Model</th><th>Price</th></tr><tr><td>1/4"</td><td>1/4"</td><td>1-5</td><td>4-20</td><td>RTH-0404 . . .</td><td>\$ 232.00</td></tr><tr><td>3/8"</td><td>3/8"</td><td>1-12</td><td>4-46</td><td>RTH-0606 . . .</td><td>\$ 232.00</td></tr><tr><td>1/2"</td><td>1/2"</td><td>1-22</td><td>4-82</td><td>RTH-0808 . . .</td><td>\$ 232.00</td></tr><tr><td>3/4"</td><td>3/4"</td><td>1-40</td><td>4-152</td><td>RTH-1212 . . .</td><td>\$ 232.00</td></tr><tr><td>1"</td><td>1"</td><td>1-60</td><td>4-400</td><td>RTH-1616 . . .</td><td>\$ 232.00</td></tr><tr><td>1-1/4"</td><td>1-1/4"</td><td>1-60</td><td>4-400</td><td>RTH-2020 . . .</td><td>\$ 232.00</td></tr></table>	Port In	Port Out	Gpm	Lpm	Model	Price	1/4"	1/4"	1-5	4-20	RTH-0404 . . .	\$ 232.00	3/8"	3/8"	1-12	4-46	RTH-0606 . . .	\$ 232.00	1/2"	1/2"	1-22	4-82	RTH-0808 . . .	\$ 232.00	3/4"	3/4"	1-40	4-152	RTH-1212 . . .	\$ 232.00	1"	1"	1-60	4-400	RTH-1616 . . .	\$ 232.00	1-1/4"	1-1/4"	1-60	4-400	RTH-2020 . . .	\$ 232.00
	Port In	Port Out	Gpm	Lpm	Model	Price																																							
	1/4"	1/4"	1-5	4-20	RTH-0404 . . .	\$ 232.00																																							
	3/8"	3/8"	1-12	4-46	RTH-0606 . . .	\$ 232.00																																							
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 TC-K Connection	L-Low Flow Turbine RotoFlow™ with Temperature Insert, use (4) 1/4-20 x 3" SHCS	<table><tr><th>Port In</th><th>Port Out</th><th>Gpm</th><th>Lpm</th><th>Model</th><th>Price</th></tr><tr><td>1/8"</td><td>1/8"</td><td>.2-8</td><td>.8-3</td><td>RT6-0202</td><td>\$ 232.00</td></tr><tr><td>1/4"</td><td>1/4"</td><td>.2-3.4</td><td>.8-14</td><td>RT6-0404</td><td>\$ 232.00</td></tr><tr><td>3/8"</td><td>3/8"</td><td>.2-4.0</td><td>.8-15</td><td>RT6-0606</td><td>\$ 232.00</td></tr></table>	Port In	Port Out	Gpm	Lpm	Model	Price	1/8"	1/8"	.2-8	.8-3	RT6-0202	\$ 232.00	1/4"	1/4"	.2-3.4	.8-14	RT6-0404	\$ 232.00	3/8"	3/8"	.2-4.0	.8-15	RT6-0606	\$ 232.00																			
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 TC-K Connection	High Flow Turbine (Flow Certification Upon Request \$140) RotoFlow™ with Temperature Insert and Quick Disconnect Fittings Use (4) 1/4-20 x 3" SHCS	<table><tr><th>Port</th><th>Gpm</th><th>Lpm</th><th>Q-Coupling</th><th>Model</th><th>Price</th></tr><tr><td>1/4"</td><td>1-5</td><td>4-20</td><td>"C" SERIES</td><td>RTH-0404-C . .</td><td>\$ 260.00</td></tr><tr><td>3/8"</td><td>1-12</td><td>4-46</td><td>"C" SERIES</td><td>RTH-0606-C . .</td><td>\$ 260.00</td></tr><tr><td>1/2"</td><td>1-22</td><td>4-82</td><td>"C" SERIES</td><td>RTH-0808-C . .</td><td>\$ 278.00</td></tr><tr><td>3/4"</td><td>1-40</td><td>4-152</td><td>"S" SERIES</td><td>RTH-1212-S . .</td><td>\$ 296.00</td></tr><tr><td>1"</td><td>1-60</td><td>4-400</td><td>"S" SERIES</td><td>RTH-1616-S . .</td><td>\$ 313.00</td></tr><tr><td>1-1/4"</td><td>1-60</td><td>4-400</td><td>"S" SERIES</td><td>RTH-2020-S . .</td><td>\$ 332.00</td></tr></table>	Port	Gpm	Lpm	Q-Coupling	Model	Price	1/4"	1-5	4-20	"C" SERIES	RTH-0404-C . .	\$ 260.00	3/8"	1-12	4-46	"C" SERIES	RTH-0606-C . .	\$ 260.00	1/2"	1-22	4-82	"C" SERIES	RTH-0808-C . .	\$ 278.00	3/4"	1-40	4-152	"S" SERIES	RTH-1212-S . .	\$ 296.00	1"	1-60	4-400	"S" SERIES	RTH-1616-S . .	\$ 313.00	1-1/4"	1-60	4-400	"S" SERIES	RTH-2020-S . .	\$ 332.00	
Port	Gpm	Lpm	Q-Coupling	Model	Price																																								
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 TC-K Connection	Low Flow Turbine (Flow Certification Upon Request \$140) RotoFlow™ with Temperature Insert and Quick Disconnect Fittings Use (4) 1/4-20 x 3" SHCS	<table><tr><th>Port</th><th>Gpm</th><th>Lpm</th><th>Q-Coupling</th><th>Model</th><th>Price</th></tr><tr><td>1/8"</td><td>.5-2.4</td><td>2-9</td><td>"C" SERIES</td><td>RTL-0202-C . . .</td><td>\$ 253.00</td></tr><tr><td>1/4"</td><td>.5-5.2</td><td>2-20</td><td>"C" SERIES</td><td>RTL-0404-C . . .</td><td>\$ 256.00</td></tr><tr><td>3/8"</td><td>.5-8</td><td>2-30</td><td>"C" SERIES</td><td>RTL-0606-C . . .</td><td>\$ 262.00</td></tr><tr><td>1/2"</td><td>.5-10</td><td>2-38</td><td>"C" SERIES</td><td>RTL-0808-C . . .</td><td>\$ 278.00</td></tr></table>	Port	Gpm	Lpm	Q-Coupling	Model	Price	1/8"	.5-2.4	2-9	"C" SERIES	RTL-0202-C . . .	\$ 253.00	1/4"	.5-5.2	2-20	"C" SERIES	RTL-0404-C . . .	\$ 256.00	3/8"	.5-8	2-30	"C" SERIES	RTL-0606-C . . .	\$ 262.00	1/2"	.5-10	2-38	"C" SERIES	RTL-0808-C . . .	\$ 278.00													
Port	Gpm	Lpm	Q-Coupling	Model	Price																																								
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 TC-K Connection	L-Low Flow Turbine (Flow Certification Upon Request \$140) RotoFlow™ with Temperature Insert and Quick Disconnect Fittings Use (4) 1/4-20 x 3" SHCS	<table><tr><th>Port</th><th>Gpm</th><th>Lpm</th><th>Q-Coupling</th><th>Model</th><th>Price</th></tr><tr><td>1/8"</td><td>.2-8</td><td>.8-3</td><td>"C" SERIES</td><td>RT6-0202-C . . .</td><td>\$ 253.00</td></tr><tr><td>1/4"</td><td>.2-3.4</td><td>.8-13</td><td>"C" SERIES</td><td>RT6-0404-C . . .</td><td>\$ 256.00</td></tr><tr><td>3/8"</td><td>.2-4.0</td><td>.8-15</td><td>"C" SERIES</td><td>RT6-0606-C . . .</td><td>\$ 262.00</td></tr></table>	Port	Gpm	Lpm	Q-Coupling	Model	Price	1/8"	.2-8	.8-3	"C" SERIES	RT6-0202-C . . .	\$ 253.00	1/4"	.2-3.4	.8-13	"C" SERIES	RT6-0404-C . . .	\$ 256.00	3/8"	.2-4.0	.8-15	"C" SERIES	RT6-0606-C . . .	\$ 262.00																			
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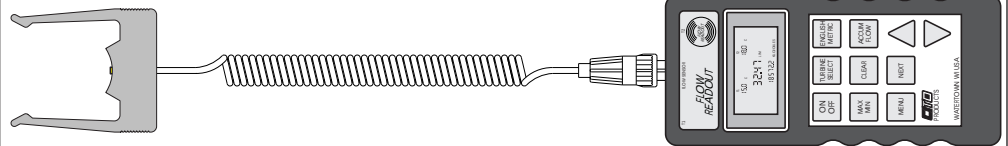
PC-PRICE-24-0717

RotoFlow™ Combinations - Screen/Temperature Insert (RC) - (1 = 1/16")

 TC-K Connection	CALIBRATED WITH FLOW STRAIGHTENER (MIN LENGTH 5X PIPE DIA.)	High Flow Turbine RotoFlow™ with Screen and Temperature Insert, use (4) 1/4-20 x 2.25" SHCS							
		Port In	Port Out	Gpm	Lpm	Model	Price		
		1/4"	1/4"	1-5	4-20	RCH-0404	\$ 350.00		
		3/8"	3/8"	1-12	4-46	RCH-0606	\$ 350.00		
		1/2"	1/2"	1-22	4-82	RCH-0808	\$ 350.00		
		3/4"	3/4"	1-40	4-152	RCH-1212	\$ 350.00		
		1"	1"	1-60	4-400	RCH-1616	\$ 350.00		
 TC-K Connection		Low Flow Turbine RotoFlow™ with Screen and Temperature Insert, use (4) 1/4-20 x 3.25" SHCS							
		Port In	Port Out	Gpm	Lpm	Model	Price		
		1/8"	1/8"	.5-2.4	2-9	RCL-0202	\$ 350.00		
		1/4"	1/4"	.5-5.2	2-20	RCL-0404	\$ 350.00		
		3/8"	3/8"	.5-8	2-30	RCL-0606	\$ 350.00		
		1/2"	1/2"	.5-10	2-38	RCL-0808	\$ 350.00		
		 TC-K Connection		L-Low Flow Turbine RotoFlow™ with Screen and Temperature Insert, use (4) 1/4-20 x 3.25" SHCS					
Port In	Port Out			Gpm	Lpm	Model	Price		
1/8"	1/8"			.2-8	.8-3	RC6-0202	\$ 350.00		
1/4"	1/4"			.2-3.4	.8-14	RC6-0404	\$ 350.00		
3/8"	3/8"			.2-4.0	.8-15	RC6-0606	\$ 350.00		
 TC-K Connection				RotoFlow™ with Screen, Temperature Insert and Quick Disconnect Fittings Use (4) 1/4-20 x 3.25" SHCS					
				Port	Gpm	Lpm	Q-Coupling	Model	Price
		1/4"	1-5	4-20	"C" SERIES	RCH-0404-C	\$ 295.00		
		3/8"	1-12	4-46	"C" SERIES	RCH-0606-C	\$ 297.00		
		1/2"	1-22	4-82	"C" SERIES	RCH-0808-C	\$ 315.00		
		3/4"	1-40	4-152	"S" SERIES	RCH-1212-S	\$ 356.00		
		1"	1-60	4-400	"S" SERIES	RCH-1616-S	\$ 378.00		
 TC-K Connection		Low Flow Turbine RotoFlow™ with Screen, Temperature Insert and Quick Disconnect Fittings Use (4) 1/4-20 x 3.25" SHCS							
		Port	Gpm	Lpm	Q-Coupling	Model	Price		
		1/8"	.5-2.4	2-9	"C" SERIES	RCL-0202-C	\$ 290.00		
		1/4"	.5-5.2	2-20	"C" SERIES	RCL-0404-C	\$ 292.00		
		3/8"	.5-8	2-30	"C" SERIES	RCL-0606-C	\$ 296.00		
		1/2"	.5-10	2-38	"C" SERIES	RCL-0808-C	\$ 315.00		
		 TC-K Connection		L-Low Flow Turbine RotoFlow™ with Screen, Temperature Insert and Quick Disconnect Fittings Use (4) 1/4-20 x 3.25" SHCS					
Port	Gpm			Lpm	Q-Coupling	Model	Price		
1/8"	.2-.3			.8-3	"C" SERIES	RC6-0202-C	\$ 290.00		
1/4"	.2-3.4			.8-13	"C" SERIES	RC6-0404-C	\$ 292.00		
3/8"	.2-4.0			.8-15	"C" SERIES	RC6-0606-C	\$ 315.00		



FlowReadout™



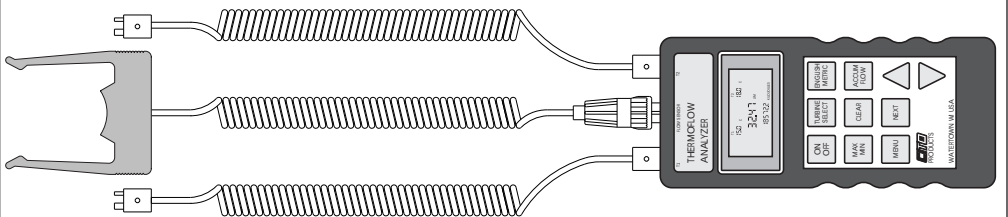
FlowReadout™ Kit # FKR-2002
Flow range from .2 to 60 GPM

Consists of: FlowReadout™ # FR-9600
 Flow Sensor # FSA-1-C36-M06
 9 Volt Replacement Battery FR-8009
 Instruction Manual FP-1-40-A-1

With Case\$ 790.00



ThermoFlow™ Analyzer



ThermoFlow™ Analyzer Kit # FKA-2002
Flow range from .2 to 60 GPM
Reads Temperature from 32° to 999.0° F (0° to 537° C)

Consists of: ThermoFlow™ Analyzer # FA-9600
 Flow Sensor # FSA-1-C36-M06
 (2) "K" Temperature Sensor Cables FK-CCA-36
 9 Volt Replacement Battery FR-8009
 120/9V AC Converter FK-FCA-8120
 Output cable FK-AUC-96
 Instruction Manual FP-1-40-A-1

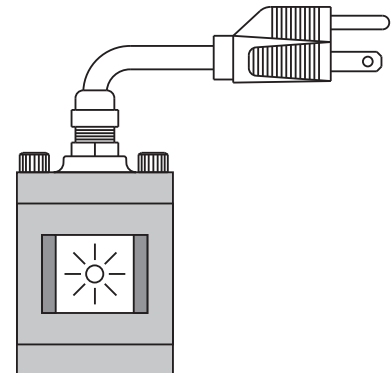
With Case\$ 1,190.00



Flow Calibrator™

Flow Calibrator™ # RoCal 3600

A precision signal generator to check flow calibration (High, Low , L - Low) of the FlowReadout™ or the ThermoFlow™ Analyzer



With Pouch\$ 242.00

Flow Kits with 2 RotoFlows™



FlowReadout™ Kit # FKR-2212

Consists of:

FlowReadout™ # FR-9600	
Flow Sensor	FSA-I-C36-M06
9 Volt Replacement Battery	FR-8009
1/4" .5 to 5.2 GPM	
Quick Couple RotoFlow™	RFL-0404-C
3/8" 1 to 12 GPM	
Quick Couple RotoFlow™	RFH-0606-C
Instruction Manual	FP-I-40-A-1

With Case\$ 1,222.00



ThermoFlow™ Analyzer Kit # FKA-2202

Consists of:

ThermoFlow™ Analyzer # FA-9600	
Flow Sensor	FSA-I-C36-M06
9 Volt Replacement Battery	FR-8009
(2) "K" Temperature Sensor Cable	FK-CCA-36
120/9V AC Converter	FK-FCA-8120
Output Cable	FK-AUC-96
(2) 1/4" Thermocouplings	FTC-FF-04-TCK
(2) 3/8" Thermocouplings	FTC-FF-06-TCK
1/4" .5 to 5.2 GPM RotoFlow™	RFL-0404
3/8" 1 to 12 GPM RotoFlow™	RFH-0606
Instruction Manual	FP-I-40-A-1

With Case\$ 1,742.00



ThermoFlow™ Analyzer Kit # FKA-4212

Consists of:

ThermoFlow™ Analyzer # FA-9600	
Flow Sensor	FSA-I-C36-M06
9 Volt Replacement Battery	FR-8009
(2) "K" Coiled Cable Ass'y	FK-CCA-36
120/9V AC Converter	FK-FCA-8120
Output Cable	FK-AUC-96
(2) 1/4" Thermocouplings	FTC-QQ-04-TCK
(2) 3/8" Thermocouplings	FTC-QQ-06-TCK
1/4" .5 to 5.2 GPM	
Quick Couple RotoFlow™	RFL-0404-C
3/8" 1 to 12 GPM	
Quick Couple RotoFlow™	RFH-0606-C
Melt Sensor	FK-MSA-4-60-K
Instruction Manual	FP-I-40-A-1

With Case\$ 1,963.00

PC-PRICE-24-0717

Flow Kits with 3 *RotoFlows*™



ThermoFlow™ Analyzer Kit # FKA-3312

Consists of: ThermoFlow™ Analyzer # FA-9600

Flow Sensor	FSA-I-C36-MO6
(2) 9 Volt Replacement Battery	FR-8009
(2) "K" Coiled Cable Ass'y	FK-CCA-36
120/9V AC Converter	FK-FCA-8120
Data Output Cable	FK-AUC-96
1/4" Q-TEMP Coupling	FTC-QQ-04-TCK
3/8" Q-TEMP Coupling	FTC-QQ-06-TCK
1/2" Q-TEMP Coupling	FTC-QQ-08-TCK
RotoFlow™ with Temperature Sensor insert	
.5 to 5.2 GPM 1/4" Quick Coupling	RTL-0404-C
1 to 12 GPM 3/8" Quick Coupling	RTH-0606-C
Pressure Gauge-Side	PGS-100
Pressure Gauge - Bottom	PGB-100
(2) 3/8" M - 1/4" F Quick Adapter	QA-06-04
(2) 3/8" M - 1/2" F Quick Adapter	QA-06-08
Surface Temp. Sensor w/Laser Beam	FK-ITS-120K
Melt Sensor 100-800° F	FK-MSA-4-36-K
Instruction Manual	FP-I-40-A-1

With Case \$ 2,938.00

Differential Pressure Flow Kit



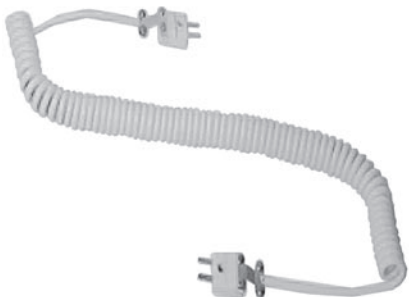
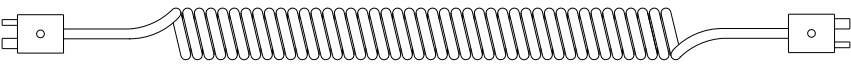
DIFFERENTIAL PRESSURE KIT # DPK-4803

Connect Water Line
Set for Flow to 5 # Differential Pressure
Establish Cv (Flow Coefficient) for each Cooling Circuit
Check for X Flow
Record and Forward
To Cooling Plan Designer
For Mold Fitting 1/4" - 3/8" and 1/2"

With Case \$ 1,248.00

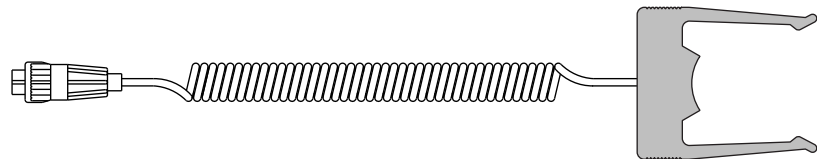
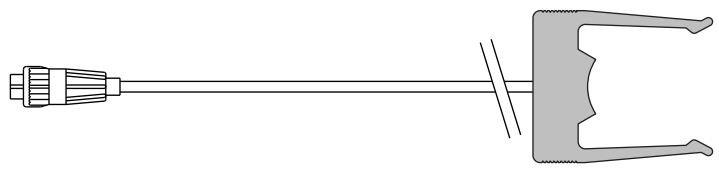
PC-PRICE-24-0717

Flow Kit Accessories For *ThermoFlow™ Analyzer*

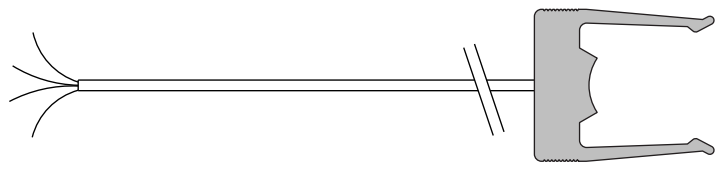
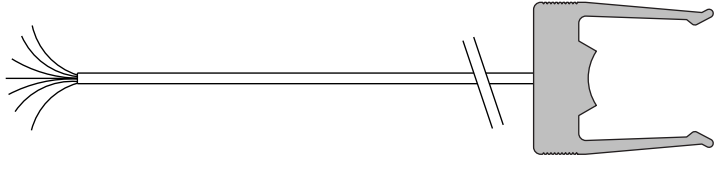
	AC Converter 120-240/9 - Volt for line power conversion FK-FCA-8120 72" long 120-240 V AC \$ 16.40
	Output Cable - for analog output to chart recorder or PLC FK-AUC-96 96" Length \$ 30.45
	 Coiled TC Cable - for water line temperature measurements • 36" Long cord (extended) • Type K FK-CCA-36 \$ 53.30
	 Melt Temperature Sensor - for melt temperature measurements up to 999° F • 4" Probe • 36" Cable FK-MTSA-4-36-K \$ 114.40

PC-PRICE-24-0717

Flow Sensors For *FlowReadout™* and *ThermoFlow™* Analyzer

	 Coiled Flow Sensor - up to 36" FSA-I-C36-M6 36" Long Expandable Cable with 6 Pin Connector\$ 158.00									
	 Flow Sensor - with Cable <table><tr><td>FSA-I-06-M6</td><td>6" cable with 6 Pin Connector</td><td>\$ 124.00</td></tr><tr><td>FSA-I-48-M6</td><td>48" cable with 6 Pin Connector</td><td>\$ 132.00</td></tr><tr><td>FSA-I-120-M6</td><td>120" cable with 6 Pin Connector</td><td>\$ 148.00</td></tr></table>	FSA-I-06-M6	6" cable with 6 Pin Connector	\$ 124.00	FSA-I-48-M6	48" cable with 6 Pin Connector	\$ 132.00	FSA-I-120-M6	120" cable with 6 Pin Connector	\$ 148.00
FSA-I-06-M6	6" cable with 6 Pin Connector	\$ 124.00								
FSA-I-48-M6	48" cable with 6 Pin Connector	\$ 132.00								
FSA-I-120-M6	120" cable with 6 Pin Connector	\$ 148.00								

Flow Sensors For PLC and Monitoring Equipment

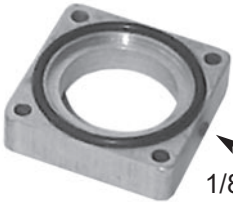
	 Flow Sensor - F F - 16-24 Volt DC Input - Frequency out <table><tr><td>FSF-I-120</td><td>120" cable</td><td>\$ 122.00</td></tr></table>	FSF-I-120	120" cable	\$ 122.00
FSF-I-120	120" cable	\$ 122.00		
	 Flow Sensor Converter F / V / I 16-24 Volt DC Input - Frequency out 4-20 ma current out 0-10 Volt output <table><tr><td>FSC-I-120</td><td>120" cable</td><td>\$ 252.00</td></tr></table>	FSC-I-120	120" cable	\$ 252.00
FSC-I-120	120" cable	\$ 252.00		

PC-PRICE-24-0717

RotoFlow™ Additions

	Flow Screen Insert - 30 mesh screen (for RotoFlow™) Use with (4) 1/4-20 x 2.580" SHCS Note: combined screen length 3.320" <table><tr><td>RF-2420</td><td>Coarse</td><td>\$ 46.00</td></tr><tr><td>RF-2430</td><td>Medium</td><td>\$ 46.00</td></tr><tr><td>RF-2440</td><td>Fine</td><td>\$ 46.00</td></tr></table>	RF-2420	Coarse	\$ 46.00	RF-2430	Medium	\$ 46.00	RF-2440	Fine	\$ 46.00
RF-2420	Coarse	\$ 46.00								
RF-2430	Medium	\$ 46.00								
RF-2440	Fine	\$ 46.00								
	Flow Temperature Insert TC “K” (for RotoFlow™ StackFlow™) Use with (4) 1/4-20 x 3.0" SHCS NOTE: WHEN USING SCREEN AND TEMP INSERT = USE 1/4-20 x 3.25" SHCS THERMO COUPLE “K” CONNECTOR <table><tr><td>ET-2000-TCK.</td><td>\$ 59.00</td></tr></table>	ET-2000-TCK.	\$ 59.00							
ET-2000-TCK.	\$ 59.00									
 1/8" NPT	Flow Temperature Insert - For 1/8" NPT (for RotoFlow™ StackFlow™) Use with (4) 1/4-20 x 3" SHCS THERMO COUPLE “K” CONNECTOR <table><tr><td>ET-2125</td><td>\$ 42.00</td></tr></table>	ET-2125	\$ 42.00							
ET-2125	\$ 42.00									

StackFlow™ Additions

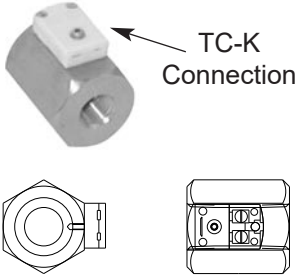
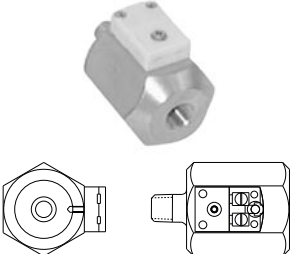
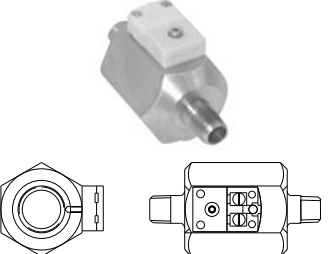
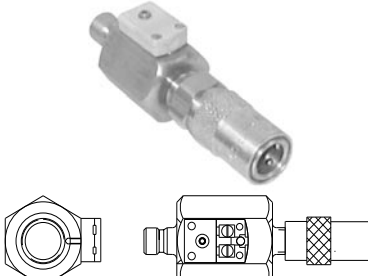
 TC-K Connection	Flow Temperature Insert TC "K" (Screen end) Use with (4) 1/4-20 x 1-3/4" SHCS ET-3000-TCK. \$ 59.00
 1/8" NPT	Flow Temperature Adapter 1/8" NPT (for temperature sensor) Use with (4) 1/4-20 x 1-3/4" SHCS ET-3125. \$ 48.00

PC-PRICE-24-0717

Flow Kit Adapters

	Pressure Gauge - Back with Quick Coupling PGB-60 0-60 PSI \$ 49.00 PGB-100 0-100 PSI \$ 49.00 PGB-160 0-160 PSI \$ 49.00
	Pressure Gauge - Side with Quick Coupling PGS-60 0-60 PSI \$ 49.00 PGS-100 0-100 PSI \$ 49.00 PGS-160 0-160 PSI \$ 49.00
	Pressure Gauge Adapter- "C" Series Quick Connect QA-06-04 3/8" M - 1/4" F \$ 8.30 QA-04-06 1/4" M - 3/8" F \$ 9.75 QA-06-08 3/8" M - 1/2" F \$14.95 QA-08-06 1/2" M - 3/8" F \$16.25

Flow/Temperature Adapter Assembly

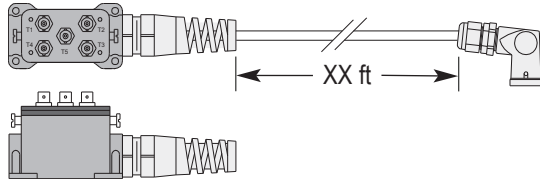
Type "K" Thermocouple - Miniature Type connector (1 = 1/8")	
	Female / Female Temperature Coupling FT-2002-TCK 1/4" \$ 46.15 FT-2003-TCK 3/8" \$ 46.15 FT-2004-TCK 1/2" \$ 46.15 FT-2006-TCK 3/4" \$ 47.50 FT-2008-TCK 1" \$ 49.40 FT-2010-TCK 1-1/4" \$ 59.80 FT-2012-TCK 1-1/2" \$ 62.40 FT-2016-TCK 2" \$ 67.60 <i>For Additional Ports - Contact Factory</i>
	Male / Female Temperature Coupling FTC-MF-04-TCK 1/4" \$ 48.60 FTC-MF-06-TCK 3/8" \$ 48.60 FTC-MF-08-TCK 1/2" \$ 48.60
	Male / Male Couple Temperature Coupling FTC-MM-04-TCK 1/4" \$ 55.25 FTC-MM-06-TCK 3/8" \$ 57.20 FTC-MM-08-TCK 1/2" \$ 60.85
	Quick / Quick Couple Temperature Coupling FTC-QQ-04-TCK 1/4" \$ 57.85 FTC-QQ-06-TCK 3/8" \$ 62.40 FTC-QQ-08-TCK 1/2" \$ 72.80

PC-PRICE-24-0717

Connection Cables

96 Sensor Junction Cable Use same Assembly for moveable and/or stationary.

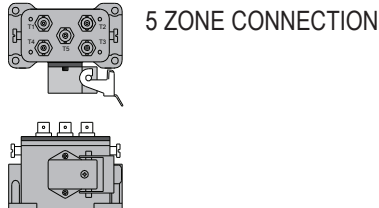
MFG. DWG. SJC-1506



SJB-5-F-06	6 ft	\$ 310.00
SJB-5-F-12	12 ft	\$ 336.00
SJB-5-F-24	24 ft	\$ 352.00

Sensor Junction Box - Mold Mounted Use same Assembly for moveable and/or stationary

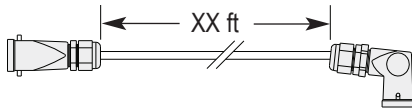
MFG. DWG. SJB-1205



SJB-5	\$ 288.00
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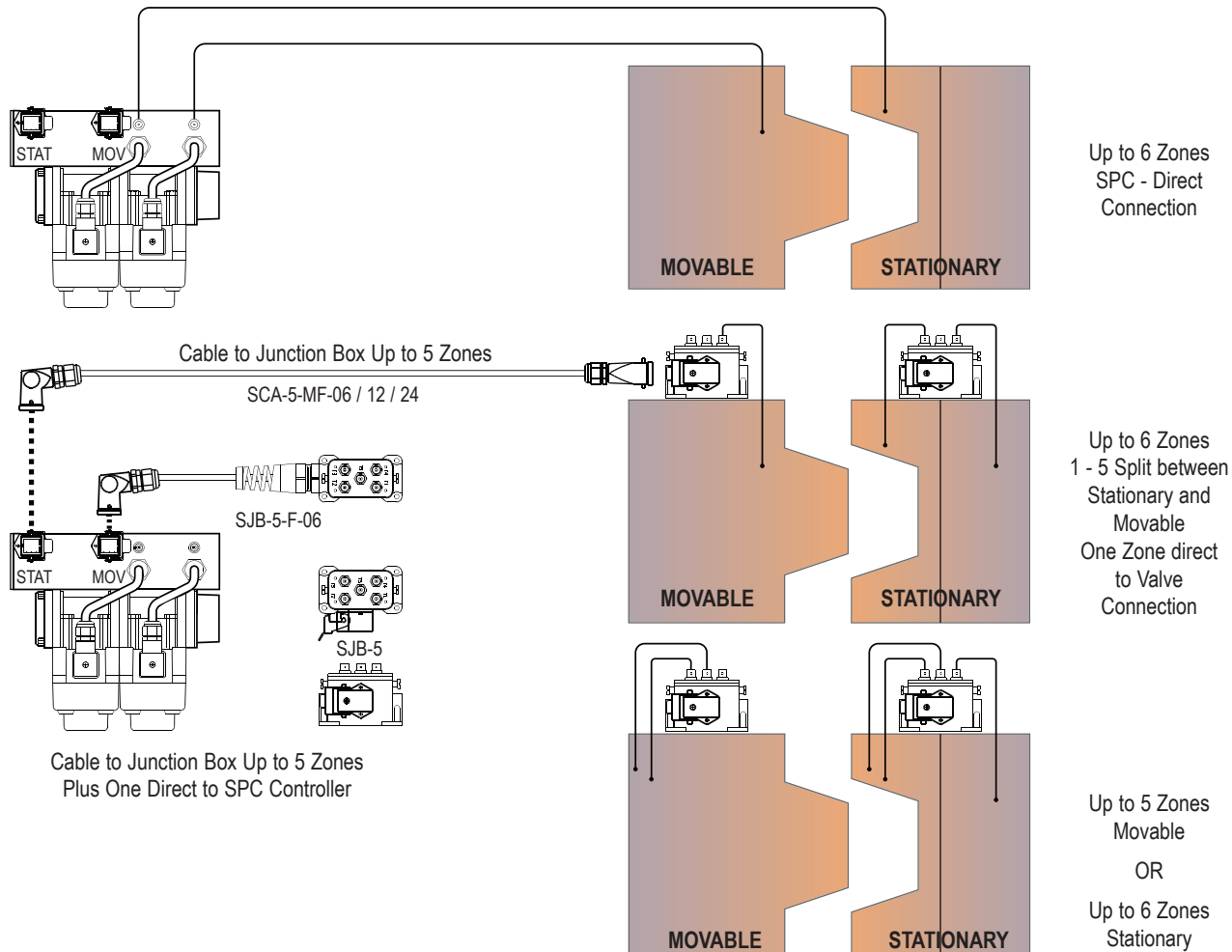
Sensor Cable Ass'y Use same Assembly for moveable and/or stationary

MFG. DWG. SCA-1606



SCA-6-MF-06	6 ft	\$ 104.00
SCA-6-MF-12	12 ft	\$ 120.00
SCA-6-MF-24	24 ft	\$ 136.00

Direct Connection - Sensor to Valve



PC-PRICE-25-0115

Suggested Sensor Selection

**CITO PRODUCTS HAS
DEVELOPED A SERIES
OF SENSORS**

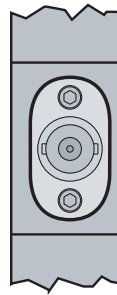
**SUITABLE FOR A WIDE RANGE OF
APPLICATIONS**

**THE SENSOR TIP SHOULD BE
PLACED AT A
DYNAMIC POSITION.**

**TO CHECK THE SENSOR -
USE AN OHM METER.
THE RESISTANCE SHOULD READ
20.000 OHM @ 77 DEGR F.(25C)
AS THE TEMPERATURE
INCREASES - THE
RESISTANCE WILL DECREASE.**

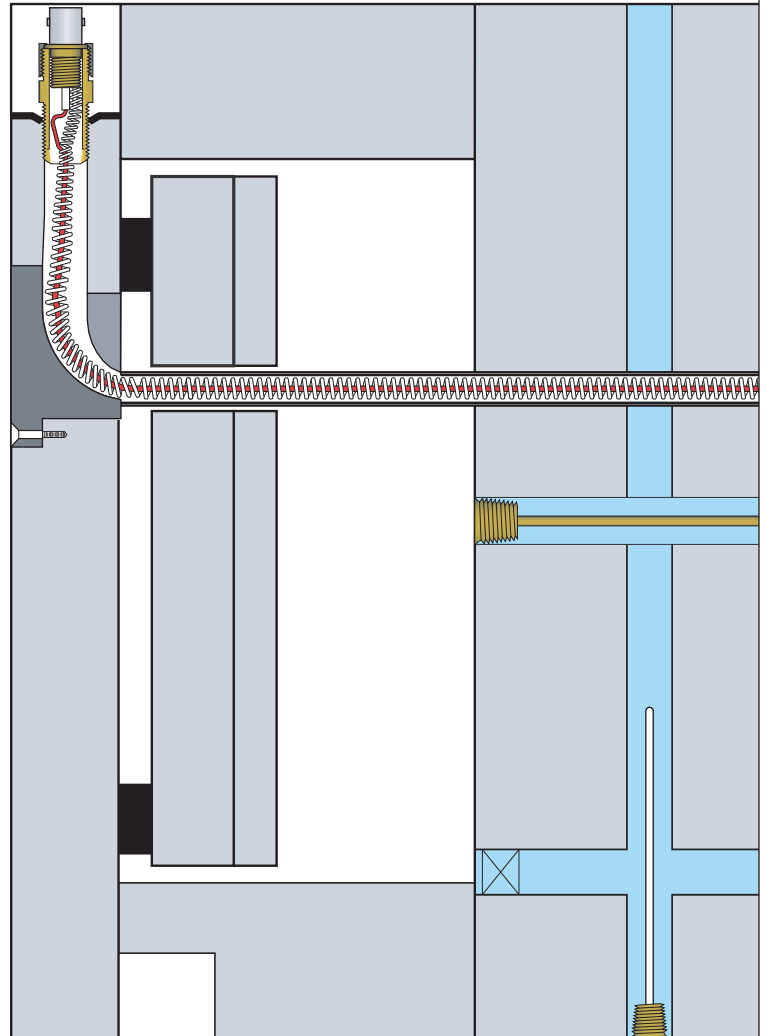
**THE LENGTH OF THE
CONNECTION CABLE MAY BE
EXTENDED TO ANY LENGTH
WITH MINIMAL CHANGE IN
PERFORMANCE.**

**FOR CUSTOM
SENSOR ASSEMBLIES -
CONTACT FACTORY**



42

**SPRING PLATE
PROBE 3/16"
WITH 3/16" SENSOR
GUIDE TUBE FOR
90 DEGR. TURNS**



PC-PRICE-25-0204

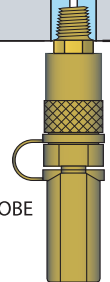
**Select a sensor that can be installed
closest to the area that needs to be controlled.**

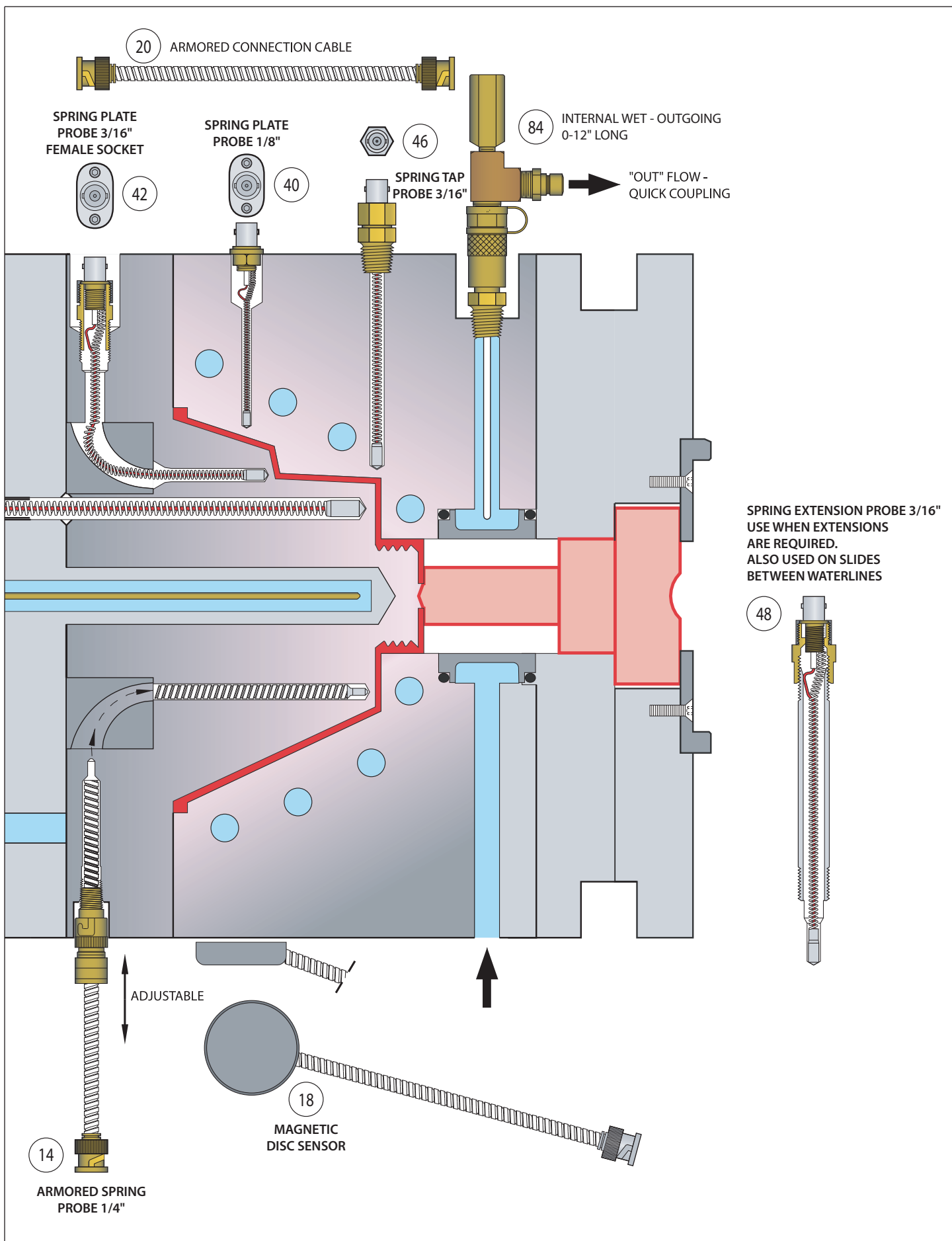
**Ideal distance
0.1" from Molding Surface**

82

INTERNAL WET PROBE

**Use with
"Pulse Advance"
Controller**

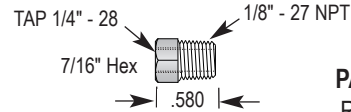
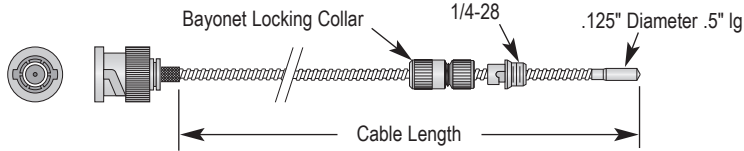




Armored Spring Probes - Custom Sizes - Request Quote

10 Armored Mini Probe 1/8", 1/8" X .5" Long Tip (CAD: AMP-2-20-XXX)

SENSOR SELECTION: PC-1000
MFG. DWG. ASP-1200
ASP-1220
INSTALL. ASP-1800



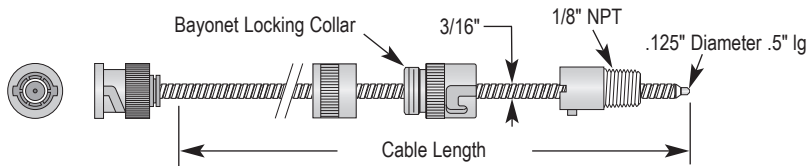
PART NO. PRICE
RB-04-28 \$ 2.80

Reducer for Armored Spring
Probe to fit 1/8" NPT

BODY DIA.	CABLE LENGTH	PART NO.	PRICE
2 = 1/8"	12"	AMP-2-20-012	\$106.00
	24"	AMP-2-20-024	\$110.00
	36"	AMP-2-20-036	\$114.00
	48"	AMP-2-20-048	\$118.00

12 Armored Bayonet Probe 3/16", 1/8" X .3" Long Tip (CAD: ASP-4-20-XXX)

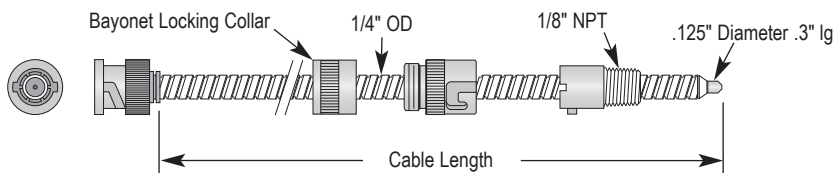
SENSOR SELECTION: PC-1000
MFG. DWG. ASP-1200
ASP-1220
INSTALL. ASP-1800



BODY DIA.	CABLE LENGTH	PART NO.	PRICE
3 = 3/16"	12"	ABP-3-20-012	\$106.00
	24"	ABP-3-20-024	\$110.00
	36"	ABP-3-20-036	\$114.00
	48"	ABP-3-20-048	\$118.00

14 Armored Spring Probe 1/4", 1/8" X .3" Long Tip (CAD: ASP-4-20-XXX)

SENSOR SELECTION: PC-1000
INSTALL. ASP-1800

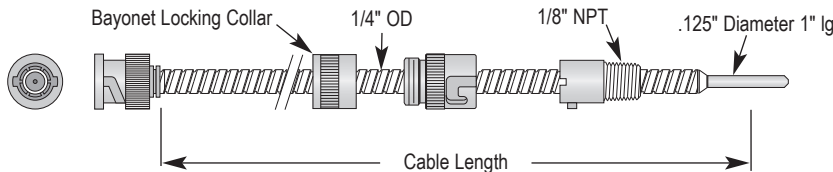


BODY DIA.	CABLE LENGTH	PART NO.	PRICE
4 = 1/4"	36"	ASP-4-20-036	\$110.00
	48"	ASP-4-20-048	\$114.00
	60"	ASP-4-20-060	\$118.00
	72"	ASP-4-20-072	\$122.00
	96"	ASP-4-20-096	\$130.00
	120"	ASP-4-20-120	\$140.00

To make a 90° change in direction use
sensor guide insert SGI-8-1500-2

16 Armored Long Probe 1/4", 1/8" X 1" Long Tip (CAD: ALP-4-20-XXX)

SENSOR SELECTION: PC-1000
MFG. DWG. ALP-1200
ASP-1220
INSTALL. ASP-1800

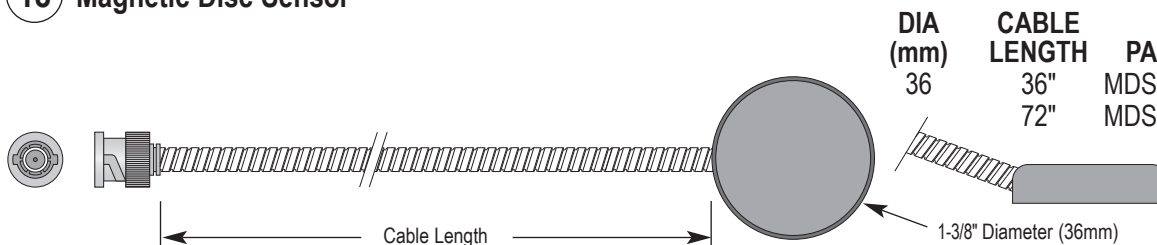


BODY DIA.	CABLE LENGTH	PART NO.	PRICE
4 = 1/4"	36"	ALP-4-20-036	\$112.00
	48"	ALP-4-20-048	\$116.00
	60"	ALP-4-20-060	\$120.00
	72"	ALP-4-20-072	\$124.00
	96"	ALP-4-20-096	\$132.00
	120"	ALP-4-20-120	\$140.00

**NOTE: Do not use with
Sensor Guide Insert**

18 Magnetic Disc Sensor

SENSOR SELECTION: PC-1000



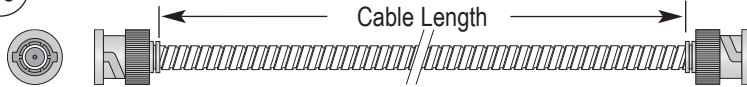
DIA (mm)	CABLE LENGTH	PART NO.	PRICE
36	36"	MDS-36-20-36	\$128.00
	72"	MDS-36-20-72	\$134.00

PC-PRICE-25-0110

Connection Cables

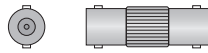
MFG. DWG. ACC-1200

20 Armored Connection Cable



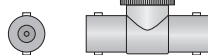
CABLE LENGTH	PART NO.	PRICE
12"	ACC-BB-012.....	\$ 70.00
24"	ACC-BB-024.....	\$ 75.00
36"	ACC-BB-036.....	\$ 80.00
48"	ACC-BB-048.....	\$ 85.00
60"	ACC-BB-060.....	\$ 90.00
96"	ACC-BB-096.....	\$ 105.00
120"	ACC-BB-120.....	\$ 115.00
144"	ACC-BB-144.....	\$ 125.00

22 Connection Coupling



PART NO.	PRICE
BNC-CC	\$ 11.00

24 Connector Tee

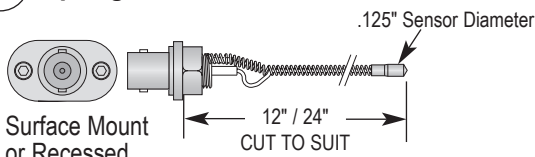


PART NO.	PRICE
BNC-TT	\$ 16.00

Spring Probes (1 = 1/16")

40 Spring Plate Probe 1/8" (CAD: SPP-2-20-XX)

SENSOR SELECTION: PC-1000
(BLUE) INSTALL. SPP-1800



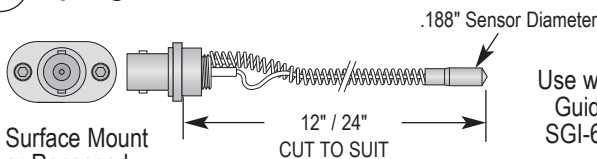
Use with Sensor Guide Insert
SGI-6-875-1.5

Use with type "ACC" Extension Cable

DIA.	LENGTH	PART NO.	PRICE
2 = 1/8"	12"	SPP-2-20-12	\$ 94.00
	24"	SPP-2-20-24	\$ 98.00

42 Spring Plate Probe 3/16" (CAD: SPP-3-20-XX)

SENSOR SELECTION: PC-1000
(YELLOW) INSTALL. SPP-1800



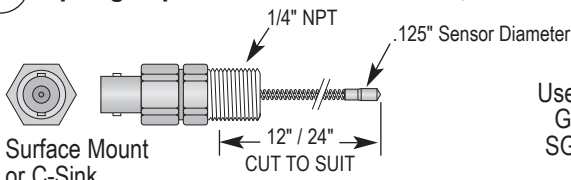
Use with Sensor Guide Insert
SGI-6-875-1.5

Use with type "ACC" Extension Cable

DIA.	LENGTH	PART NO.	PRICE
3 = 3/16"	12"	SPP-3-20-12	\$ 96.00
	24"	SPP-3-20-24	\$ 98.00

44 Spring Tap Probe 1/8" - 1/4" NPT (CAD: STP-2-20-XX)

SENSOR SELECTION: PC-1000
MFG. DWG. STP-1202
(GREEN) INSTALL. STP-1800



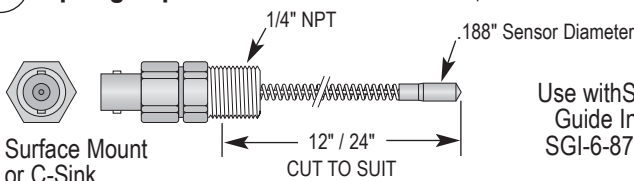
Use with Sensor Guide Insert
SGI-6-875-1.5

Use with type "ACC" Extension Cable

DIA.	LENGTH	PART NO.	PRICE
2 = 1/8"	12"	STP-2-20-12	\$ 96.00
	24"	STP-2-20-24	\$ 98.00

46 Spring Tap Probe 3/16" - 1/4" NPT (CAD: STP-3-20-XX)

SENSOR SELECTION: PC-1000
(PINK) INSTALL. STP-1800



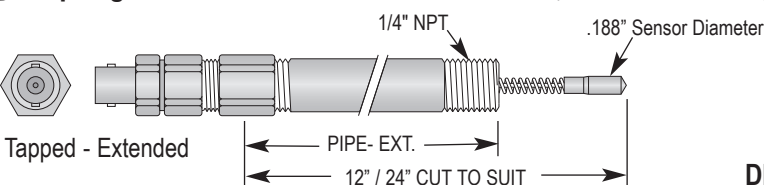
Use with Sensor Guide Insert
SGI-6-875-1.5

Use with type "ACC" Extension Cable

DIA.	LENGTH	PART NO.	PRICE
3 = 3/16"	12"	STP-3-20-12	\$ 96.00
	24"	STP-3-20-24	\$ 98.00

48 Spring Extension Probe 3/16" - 1/4" NPT (CAD: SEP-3-PX-20-XX)

SENSOR SELECTION: PC-1000
MFG. DWG. SEP-1200



Use with type "ACC" Extension Cable

DIA.	PIPE EXT.	LENGTH (XX)	PART NO.	PRICE
3 = 3/16"	P4 = 4"	12"	SEP-3-P4-20-12	\$ 98.00

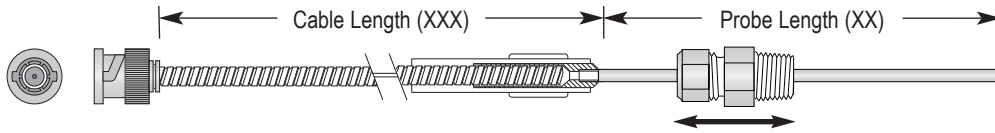
If You Are Not Set up For This Operation - Specify Length and
We Will Provide Complete Ass'y. Specify Depth of Hole to Mold Surface - \$30 / Ass'y

PC-PRICE-25-0225

Internal Wet Temperature Sensors (1 = 1/16")

60 Internal Wet - Variable (CAD: IWV-X-20-XX-XXX)

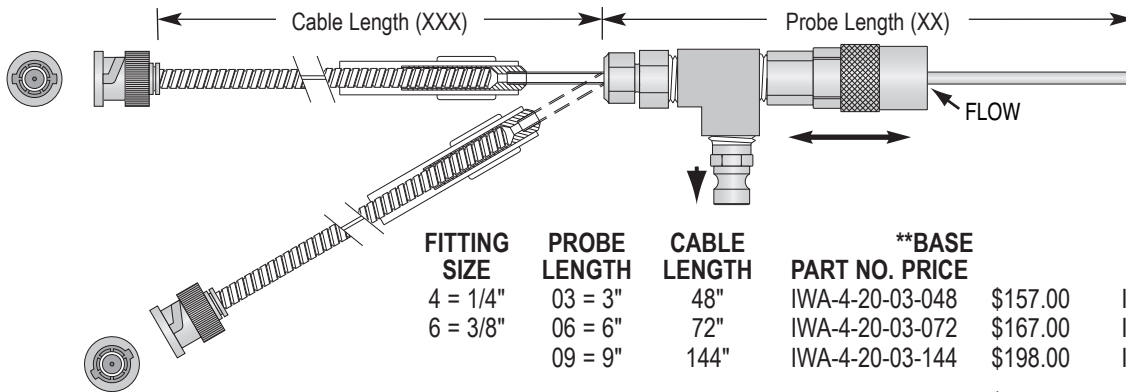
SENSOR SELECTION: PC-1000
MFG. DWG. IWV-1200
INSTALL. IWV-1800



FITTING SIZE	PROBE LENGTH	CABLE LENGTH	PART NO.	**BASE PRICE	PART NO.	**BASE PRICE	PART NO.	**BASE PRICE
2 = 1/8"	03 = 3"	48"	IWV-2-20-03-048 . . .	\$132.00	IWV-4-20-03-048 . . .	\$136.00	IWV-6-20-03-048 . . .	\$140.00
4 = 1/4"	06 = 6"	72"	IWV-2-20-03-072 . . .	\$140.00	IWV-4-20-03-072 . . .	\$144.00	IWV-6-20-03-072 . . .	\$148.00
6 = 3/8"	09 = 9"		IWV-2-20-06-048 . . .	\$148.00	IWV-4-20-06-048 . . .	\$152.00	IWV-6-20-06-048 . . .	\$156.00
			IWV-2-20-06-072 . . .	\$158.00	IWV-4-20-06-072 . . .	\$162.00	IWV-6-20-06-072 . . .	\$166.00
			IWV-2-20-09-048 . . .	\$166.00	IWV-4-20-09-048 . . .	\$170.00	IWV-6-20-09-048 . . .	\$174.00
			IWV-2-20-09-072 . . .	\$174.00	IWV-4-20-09-072 . . .	\$178.00	IWV-6-20-09-072 . . .	\$182.00

62 Internal Wet - Adjustable and Coupling (CAD: IWA-X-20-XX-XXX)

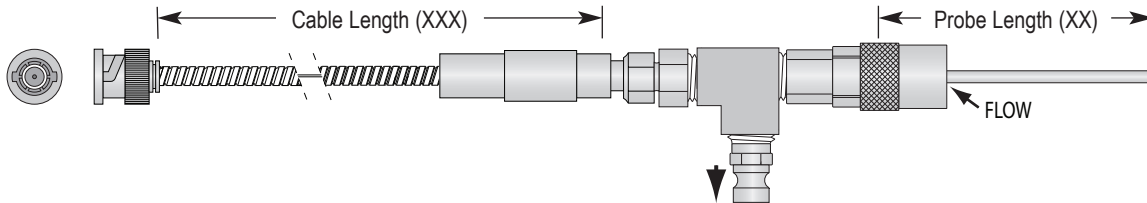
SENSOR SELECTION: PC-1000
MFG. DWG. IWA-1200
INSTALL. IWF-1800



FITTING SIZE	PROBE LENGTH	CABLE LENGTH	PART NO.	**BASE PRICE	PART NO.	**BASE PRICE
4 = 1/4"	03 = 3"	48"	IWA-4-20-03-048	\$157.00	IWA-6-20-03-048 . . .	\$159.00
6 = 3/8"	06 = 6"	72"	IWA-4-20-03-072	\$167.00	IWA-6-20-03-072 . . .	\$169.00
	09 = 9"	144"	IWA-4-20-03-144	\$198.00	IWA-6-20-03-144 . . .	\$200.00
			IWA-4-20-06-048	\$163.00	IWA-6-20-06-048 . . .	\$165.00
			IWA-4-20-06-072	\$173.00	IWA-6-20-06-072 . . .	\$175.00
			IWA-4-20-06-144	\$204.00	IWA-6-20-06-144 . . .	\$206.00
			IWA-4-20-09-048	\$169.00	IWA-6-20-09-048 . . .	\$171.00
			IWA-4-20-09-072	\$179.00	IWA-6-20-09-072 . . .	\$181.00
			IWA-4-20-09-144	\$210.00	IWA-6-20-09-144 . . .	\$212.00

64 Internal Wet - Fixed (CAD: IWF-X-20-XX-XXX)

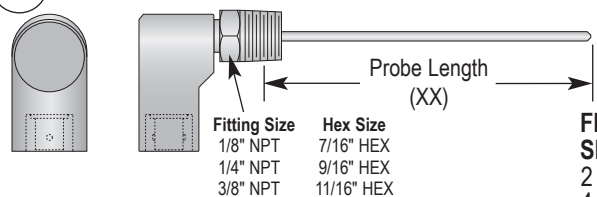
SENSOR SELECTION: PC-1000
MFG. DWG. IWF-1200
INSTALL. IWF-1800



FITTING SIZE	PROBE LENGTH	CABLE LENGTH	PART NO.	**BASE PRICE	PART NO.	**BASE PRICE	PART NO.	**BASE PRICE
4 = 1/4"	03 = 3"	48"	IWF-4-20-03-048	\$157.00	IWF-6-20-03-048 . . .	\$159.00	IWF-8-20-03-048 . . .	\$163.00
6 = 3/8"	06 = 6"	72"	IWF-4-20-03-072	\$167.00	IWF-6-20-03-072 . . .	\$169.00	IWF-8-20-03-072 . . .	\$173.00
8 = 1/2"	09 = 9"	144"	IWF-4-20-03-144	\$198.00	IWF-6-20-03-144 . . .	\$200.00	IWF-8-20-03-144 . . .	\$204.00
			IWF-4-20-06-048	\$163.00	IWF-6-20-06-048 . . .	\$165.00	IWF-8-20-06-048 . . .	\$169.00
			IWF-4-20-06-072	\$173.00	IWF-6-20-06-072 . . .	\$175.00	IWF-8-20-06-072 . . .	\$179.00
			IWF-4-20-06-144	\$204.00	IWF-6-20-06-144 . . .	\$206.00	IWF-8-20-06-144 . . .	\$210.00
			IWF-4-20-09-048	\$169.00	IWF-6-20-09-048 . . .	\$171.00	IWF-8-20-09-048 . . .	\$175.00
			IWF-4-20-09-072	\$179.00	IWF-6-20-09-072 . . .	\$181.00	IWF-8-20-09-072 . . .	\$185.00
			IWF-4-20-09-144	\$210.00	IWF-6-20-09-144 . . .	\$212.00	IWF-8-20-09-144 . . .	\$216.00

Internal Wet Connector Sensors

80 Internal Wet Probe (CAD: IWP-X-20-XX)



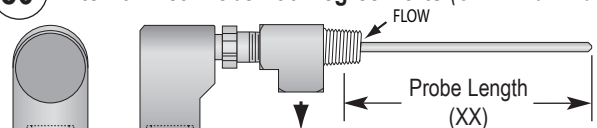
**FITTING
SIZE (X)**
2 = 1/8"
4 = 1/4"
6 = 3/8"

**PROBE
LENGTH**
01 = 1"
02 = 2"
03 = 3"
04 = 4"
06 = 6"
09 = 9"

PART NO.	**BASE PRICE
IWP-2-20-01 ...	\$106.00
IWP-2-20-02 ...	\$107.00
IWP-2-20-03 ...	\$108.00
IWP-2-20-04 ...	\$110.00
IWP-2-20-06 ...	\$114.00
IWP-2-20-09 ...	\$120.00
IWP-4-20-01 ...	\$108.00
IWP-4-20-02 ...	\$109.00
IWP-4-20-03 ...	\$110.00

PART NO.	**BASE PRICE
IWP-4-20-04 ...	\$112.00
IWP-4-20-06 ...	\$116.00
IWP-4-20-09 ...	\$122.00
IWP-6-20-01 ...	\$110.00
IWP-6-20-02 ...	\$111.00
IWP-6-20-03 ...	\$112.00
IWP-6-20-04 ...	\$114.00
IWP-6-20-06 ...	\$118.00
IWP-6-20-09 ...	\$124.00

80 Internal Wet Probe - 90 Degree Ports (CAD: IW9-X-20-XX)



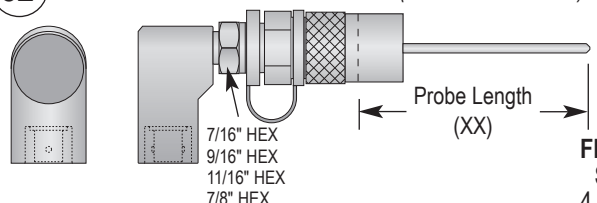
**FITTING
SIZE**
4 = 1/4"
6 = 3/8"

**PROBE
LENGTH**
00 = 0"
01 = 1"
02 = 2"
03 = 3"
04 = 4"
06 = 6"
09 = 9"

PART NO.	**BASE PRICE
IW9-4-20-00 ...	\$110.00
IW9-4-20-01 ...	\$112.00
IW9-4-20-02 ...	\$113.00
IW9-4-20-03 ...	\$114.00
IW9-4-20-04 ...	\$116.00
IW9-4-20-06 ...	\$120.00
IW9-4-20-09 ...	\$136.00

PART NO.	**BASE PRICE
IW9-6-20-00 ...	\$115.00
IW9-6-20-01 ...	\$116.00
IW9-6-20-02 ...	\$117.00
IW9-6-20-03 ...	\$118.00
IW9-6-20-04 ...	\$120.00
IW9-6-20-06 ...	\$124.00
IW9-6-20-09 ...	\$130.00

82 Internal Wet Probe - Removable (CAD: IWR-X-20-XX)



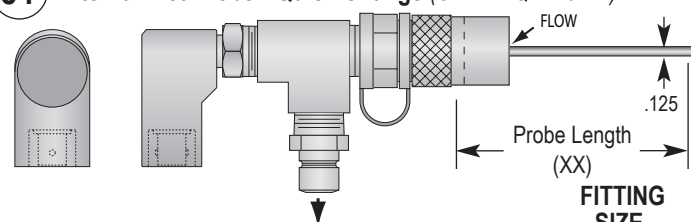
**FITTING
SIZE**
4 = 1/4"
6 = 3/8"

**PROBE
LENGTH**
00 = 0"
01 = 1"
02 = 2"
03 = 3"
04 = 4"
06 = 6"
09 = 9"
12 = 12"

PART NO.	**BASE PRICE
IWR-4-20-00 ...	\$110.00
IWR-4-20-01 ...	\$111.00
IWR-4-20-02 ...	\$112.00
IWR-4-20-03 ...	\$113.00
IWR-4-20-04 ...	\$115.00
IWR-4-20-06 ...	\$120.00
IWR-4-20-09 ...	\$127.00
IWR-4-20-12 ...	\$132.00

PART NO.	**BASE PRICE
IWR-6-20-00 ...	\$114.00
IWR-6-20-01 ...	\$115.00
IWR-6-20-02 ...	\$116.00
IWR-6-20-03 ...	\$117.00
IWR-6-20-04 ...	\$119.00
IWR-6-20-06 ...	\$124.00
IWR-6-20-09 ...	\$131.00
IWR-6-20-12 ...	\$136.00

84 Internal Wet Probe - Quick Change (CAD: IWQ-X-20-XX)



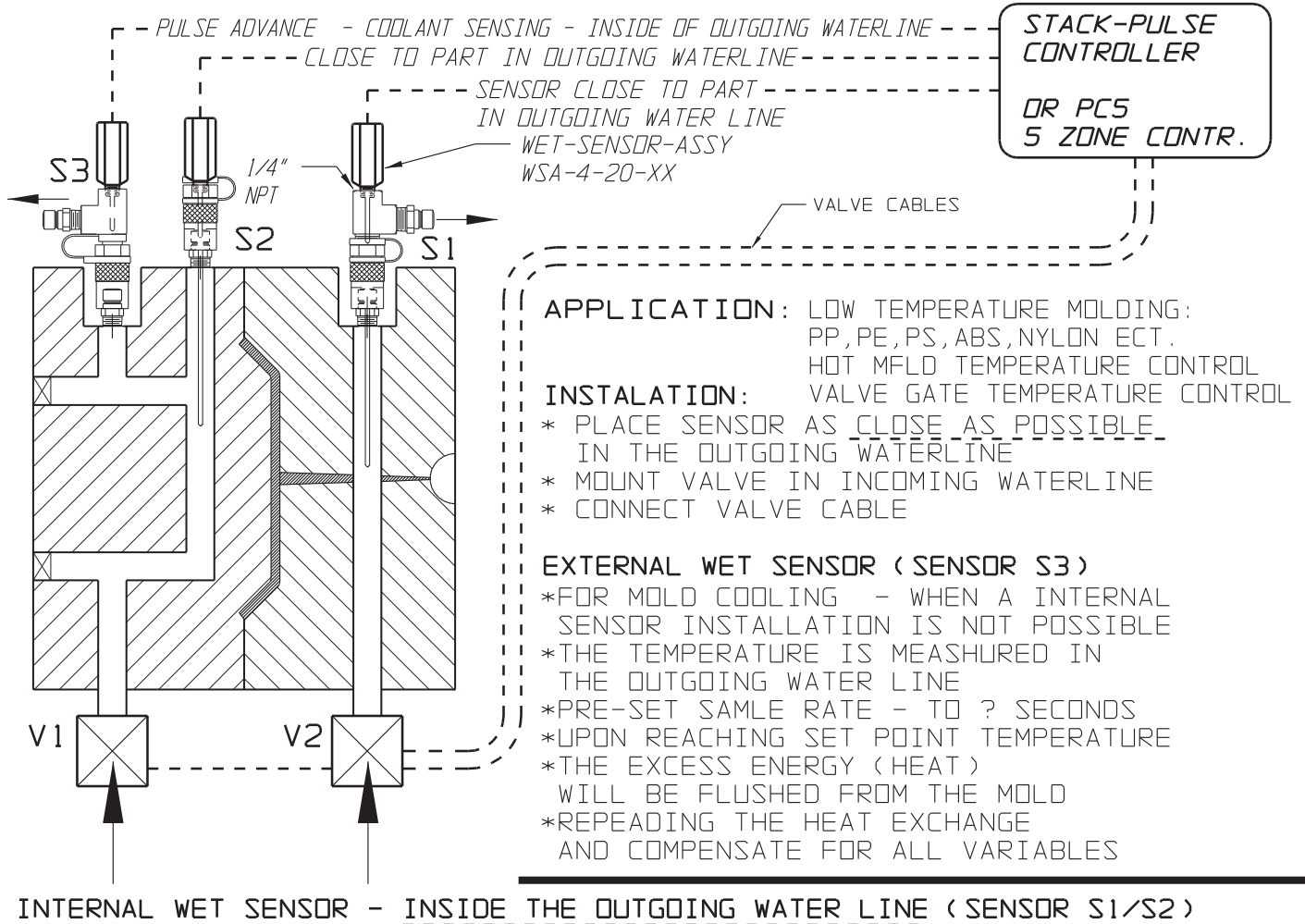
**FITTING
SIZE**
4 = 1/4"
6 = 3/8"

**PROBE
LENGTH**
00 = 0"
01 = 1"
02 = 2"
03 = 3"
04 = 4"
06 = 6"
09 = 9"
12 = 12"

PART NO.	**BASE PRICE
IWQ-4-20-00 ...	\$114.00
IWQ-4-20-01 ...	\$116.00
IWQ-4-20-02 ...	\$118.00
IWQ-4-20-03 ...	\$120.00
IWQ-4-20-04 ...	\$122.00
IWQ-4-20-06 ...	\$124.00
IWQ-4-20-09 ...	\$133.00
IWQ-4-20-12 ...	\$140.00

PART NO.	**BASE PRICE
IWQ-6-20-00 ...	\$122.00
IWQ-6-20-01 ...	\$124.00
IWQ-6-20-02 ...	\$126.00
IWQ-6-20-03 ...	\$128.00
IWQ-6-20-04 ...	\$130.00
IWQ-6-20-06 ...	\$132.00
IWQ-6-20-09 ...	\$141.00
IWQ-6-20-12 ...	\$148.00

Internal Wet Connector Sensors



For Further Information - Contact Factory

PC-PRICE-25-0321

Internal Wet Connector Sensors

80 Internal Wet Sensor (CAD: IWS-X-20-XX)

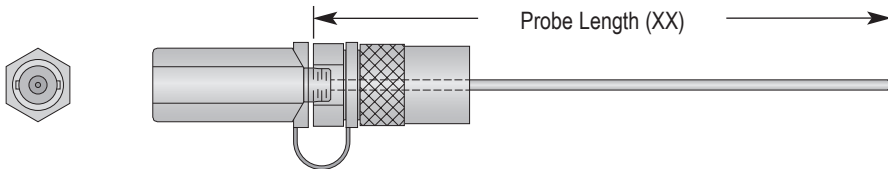
MFG. DWG. IWS-1200
INSTALL. IWS-1800
IWS-1820
IWS-1840



FITTING SIZE (X)	PROBE LENGTH	PART NO.	**BASE PRICE	PART NO.	**BASE PRICE
4 = 1/4"	01 = 1"	IWS-4-20-01 . . .	\$122.00	IWS-6-20-01 . . .	\$126.00
6 = 3/8"	02 = 2"	IWS-4-20-02 . . .	\$123.00	IWS-6-20-02 . . .	\$127.00
	03 = 3"	IWS-4-20-03 . . .	\$124.00	IWS-6-20-03 . . .	\$128.00
	04 = 4"	IWS-4-20-04 . . .	\$125.00	IWS-6-20-04 . . .	\$129.00
	06 = 6"	IWS-4-20-06 . . .	\$127.00	IWS-6-20-06 . . .	\$131.00
	08 = 8"	IWS-4-20-08 . . .	\$129.00	IWS-6-20-08 . . .	\$133.00
	12 = 12"	IWS-4-20-12 . . .	\$146.00	IWS-6-20-12 . . .	\$150.00

82 Internal Wet Coupler (CAD: IWC-X-20-XX)

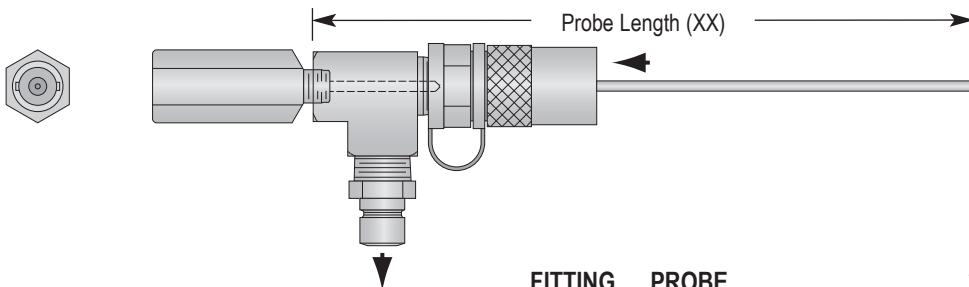
MFG. DWG. IWC-1200
INSTALL. IWC-1800
IWC-1820
IWC-1840



FITTING SIZE (X)	PROBE LENGTH	PART NO.	**BASE PRICE	PART NO.	**BASE PRICE
4 = 1/4"	01 = 1"	IWC-4-20-01 . . .	\$122.00	IWC-6-20-01 . . .	\$126.00
6 = 3/8"	02 = 2"	IWC-4-20-02 . . .	\$123.00	IWC-6-20-02 . . .	\$127.00
	03 = 3"	IWC-4-20-03 . . .	\$124.00	IWC-6-20-03 . . .	\$128.00
	04 = 4"	IWC-4-20-04 . . .	\$125.00	IWC-6-20-04 . . .	\$129.00
	06 = 6"	IWC-4-20-06 . . .	\$127.00	IWC-6-20-06 . . .	\$131.00
	08 = 8"	IWC-4-20-08 . . .	\$129.00	IWC-6-20-08 . . .	\$133.00
	12 = 12"	IWC-4-20-12 . . .	\$146.00	IWC-6-20-12 . . .	\$150.00

84 Internal Wet - Outgoing (CAD: IWO-X-20-XX)

MFG. DWG. IWO-1200
INSTALL. IWO-1800
IWO-1820
IWO-1840



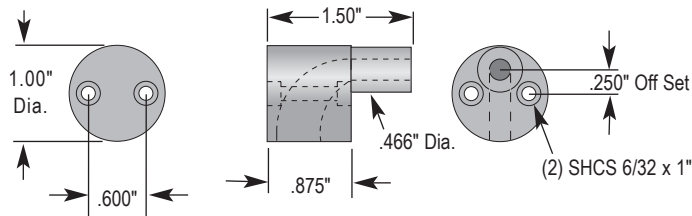
FITTING SIZE	PROBE LENGTH	PART NO.	**BASE PRICE	PART NO.	**BASE PRICE
4 = 1/4"	00 = 0"	IWO-4-20-00 . . .	\$146.00	IWO-6-20-00 . . .	\$150.00
6 = 3/8"	01 = 1"	IWO-4-20-01 . . .	\$147.00	IWO-6-20-01 . . .	\$151.00
	02 = 2"	IWO-4-20-02 . . .	\$148.00	IWO-6-20-02 . . .	\$152.00
	03 = 3"	IWO-4-20-03 . . .	\$149.00	IWO-6-20-03 . . .	\$153.00
	04 = 4"	IWO-4-20-04 . . .	\$151.00	IWO-6-20-04 . . .	\$155.00
	08 = 8"	IWO-4-20-08 . . .	\$153.00	IWO-6-20-08 . . .	\$157.00
	12 = 12"	IWO-4-20-12 . . .	\$170.00	IWO-6-20-12 . . .	\$174.00

Sensor Guides

90 Sensor Guide Insert 3/16" Instructions - see MM-1710/1770 (used with Spring Bead Probes only)

MFG.DWG. SGI-1260

For CAD see: SG-Sensor-Guide.step

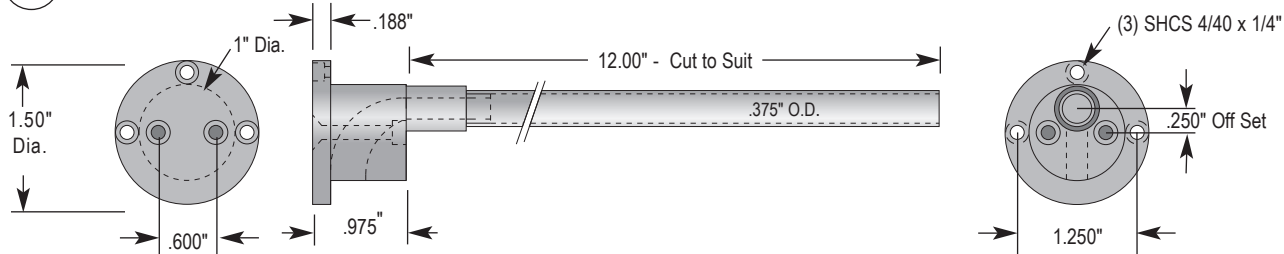


PART NO. SGI-6-875-1.5

PRICE \$ 34.00

91 Sensor Guide Tube 3/16" Installation instructions - see MM-1710/1770 (used with Spring Bead Probes only)

MFG.DWG. SGI-1260

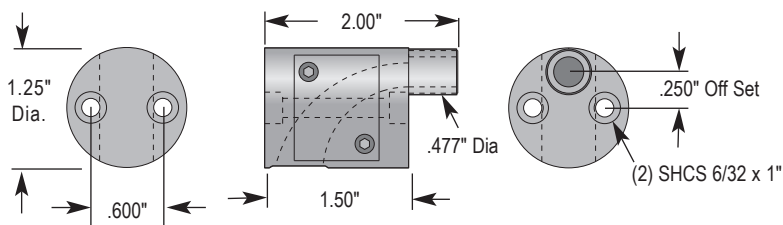


PART NO. SGT-6-875-12

PRICE \$ 47.00

92 Sensor Guide Insert 1/4" Installation instructions - see MM-1780 (used with Armored Spring Probe)

MFG.DWG. SGI-1280

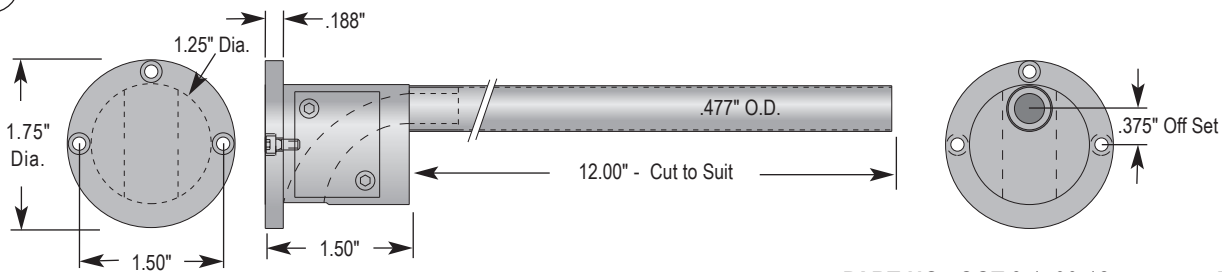


PART NO. SGI-8-1500-2

PRICE \$ 42.00

93 Sensor Guide Tube 1/4" Installation instructions - see MM-1780 (used with Armored Spring Probes only)

MFG.DWG. SGI-1282

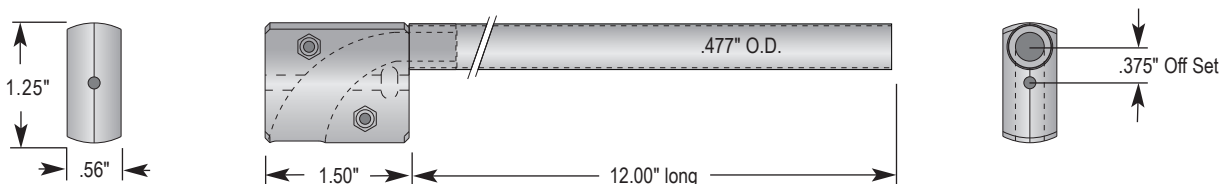


PART NO. SGT-8-1500-12

PRICE \$ 49.00

94 Sensor Guide (Flat) Tube 1/4" Installation instructions - see MM-1790 (used with Armored Spring Bead Probes)

MFG.DWG. SGI-1290



PART NO. SGF-8-1500-12

PRICE \$ 51.00

Inline™ Manifolds Ordering Information

Mold Mounted Manifolds provide many benefits to the operation and performance of the water cooled process. Our manifolds offer a myriad of combinations to suit your needs.

STANDARD MANIFOLDS

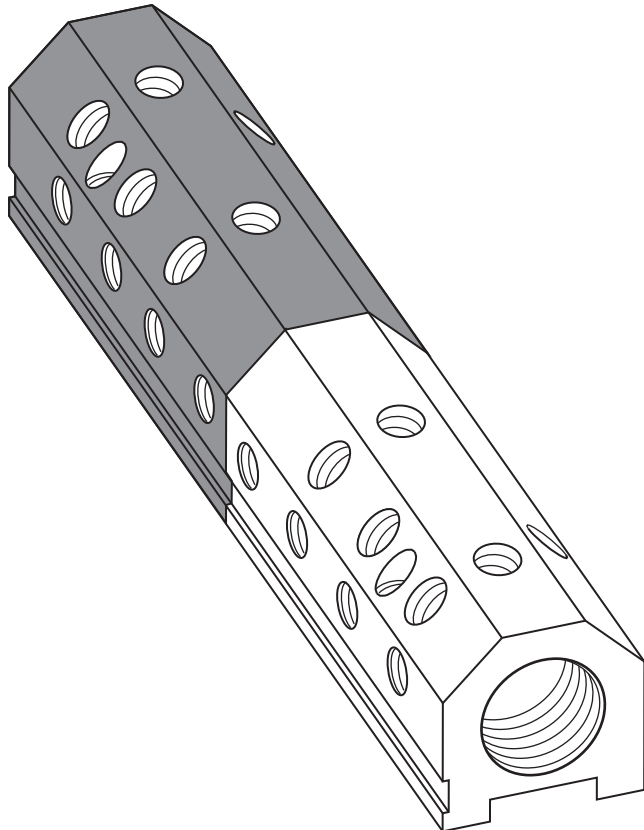
1. Choose your manifold from the following pages.
2. Stock Manifolds will ship same day or by the next business day.

WHEN ORDERING CUSTOM MANIFOLDS

1. Submit design or sketch.
2. Cito will make CAD drawing and submit via fax with price quote and delivery information.
3. Upon approval of drawing, the manifold will be shipped the following week.

TO ORDER YOUR DESIGN KIT FOR INLINE MANIFOLDS

Our Design Kit will assist in your mold or machine mounted design of Inline™ Manifolds — complete with CAD Patterns, and custom order forms.



Please contact our Sales Department
CITO PRODUCTS INC.

N8779 County Road X • P.O. Box 90

Watertown, WI 53094 • USA

Phone: (920) 261-2606

Fax: (920) 261-1350

E-mail: sales@pulsecooling.com

ATTENTION: SALES DEPARTMENT

**Please specify which CAD system
you are using when requesting your
Design Kit.**

The Design Kit is available in:

.PRT (CadKey)

.DWG (AutoCad)

.DXF (Data Exchange Format)

.IGES (International Graphic Exchange)

The anodized aluminum is not suitable for corrosive liquids (high chlorine content).
Brass, steel and stainless is available. Request quote.

PC-PRICE-25-0129

1" Inline™ Manifold (1 = 1/4")

IM4-4-AB-4 1/4 or 3/8 \$88.00	IM4-4-BD-4 1/4 or 3/8 \$88.00	IM4-4-BCD-6 1/4 or 3/8 \$94.00	IM4-4-ABC-6 1/4 or 3/8 \$94.00	IM4-4-BD-2-2 1/4 or 3/8 \$101.00	IM4-4-ABCDE-5-5 1/4 \$119.00
IM4-6-C-4 1/4 or 3/8 \$115.00	IM4-6-BD-8 1/4 or 3/8 \$127.00	IM4-6-BCD-12 1/4 or 3/8 \$139.00	IM4-6-ABC-12 1/4 or 3/8 \$139.00	IM4-6-BD-4-4 1/4 or 3/8 \$140.00	IM4-6-ABC-6-6 1/4 or 3/8 \$152.00
IM4-9-C-6 1/4 or 3/8 \$139.00	IM4-9-BD-12 1/4 or 3/8 \$157.00	IM4-9-BCD-18 1/4 or 3/8 \$175.00	IM4-9-ABC-18 1/4 or 3/8 \$175.00	IM4-9-BD-6-6 1/4 or 3/8 \$170.00	IM4-9-ABC-9-9 1/4 or 3/8 \$188.00
IM4-11-C-8 1/4 or 3/8 \$172.00	IM4-11-BD-16 1/4 or 3/8 \$196.00	IM4-11-BD-8-8 1/4 or 3/8 \$209.00	IM4-11-ABC-12-12 1/4 or 3/8 \$233.00	See Part No. below (cap on top end) Length: 3.75, 6.25, 8.75, or 11.25 Labels: A, B, C, D, E	

1" Pipe Thread

side A

For 1/4-20x2" Mounting Screws

PART NUMBER CODE:

IM4-11-C-8-3/8-N-R/B/D

- Red, Blue or Divided
- Thread Type: N = NPT
- P = Mark BSPP
- T = Mark BSPT
- 3/8" "Out"
- 8 Holes
- Row on side "C"
- 11 = 11.25" Overall Length
- (4) x 1/4" = 1" Port
- Inline Manifold

1" NPT

For Solid Color Manifolds

PRICES INCLUDE: End Cap and Stainless mounting screws.

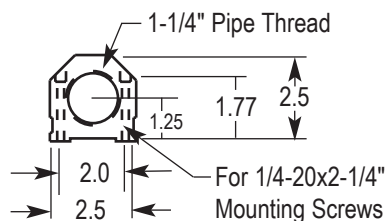
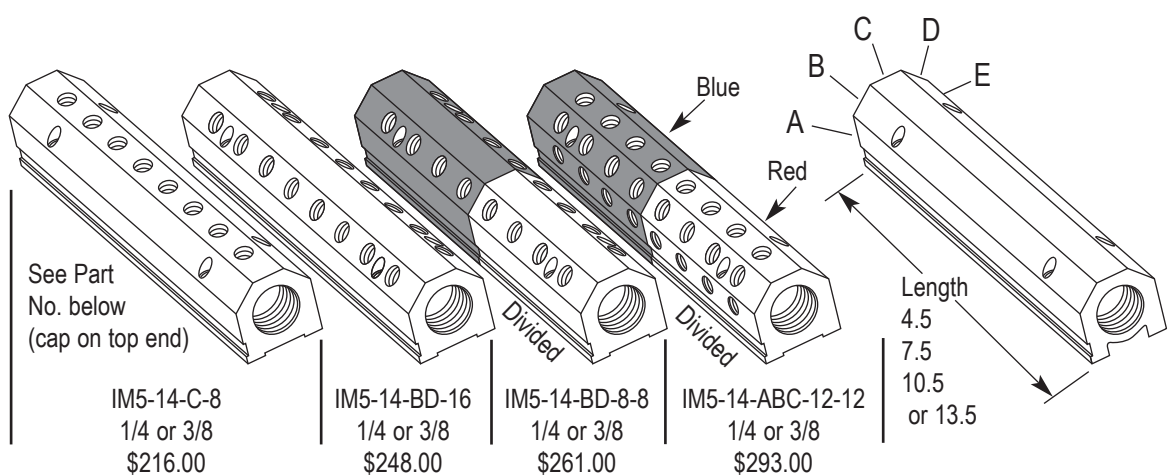
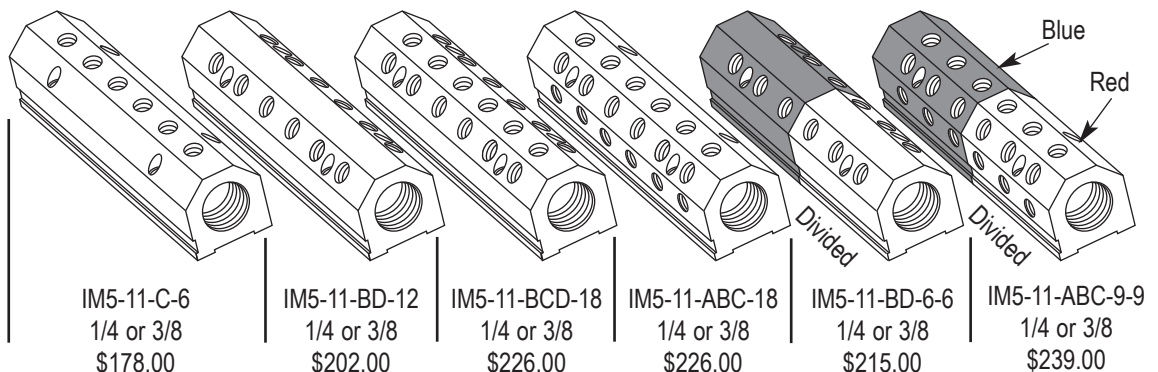
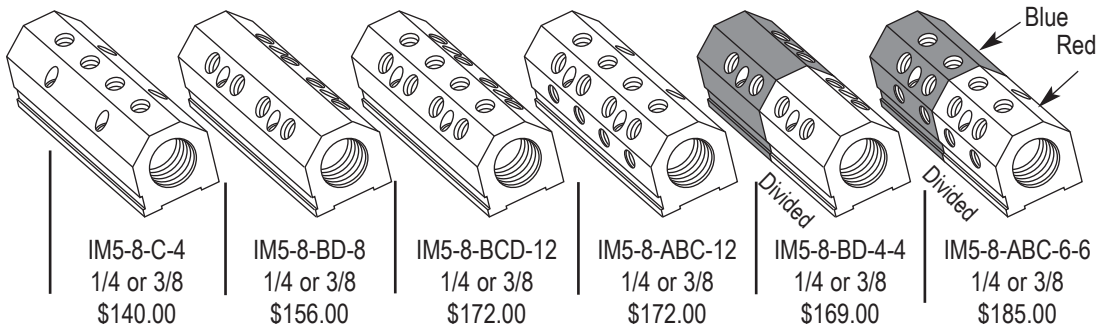
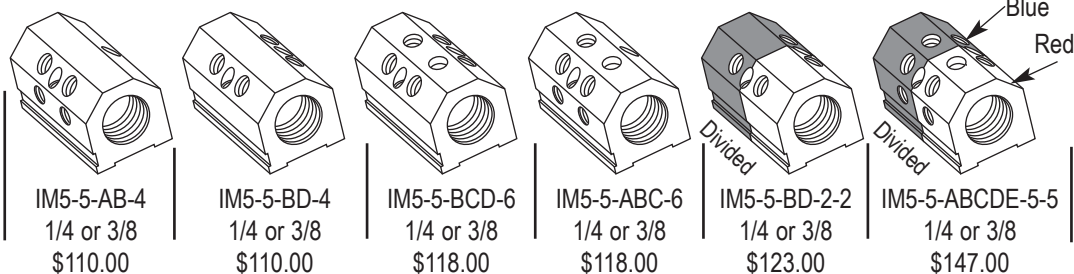
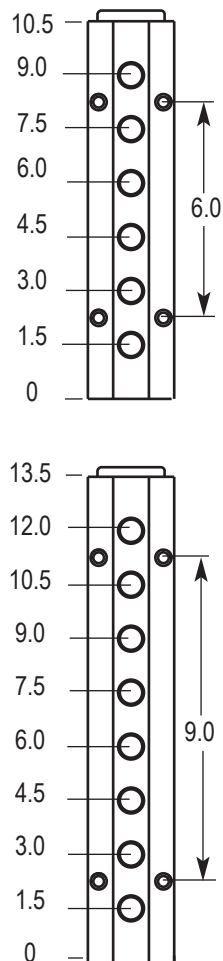
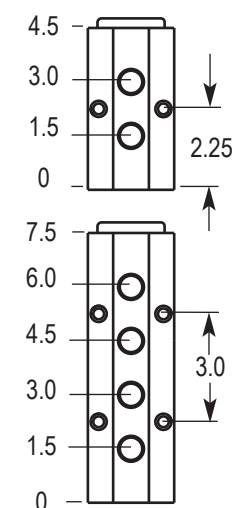
ADDITIONAL 1" MANIFOLD END CAPS: IM-3040 - \$14.00 ea.

CUSTOM MANIFOLDS QUOTED UPON REQUEST

The anodized aluminum is not suitable for corrosive liquids (high chlorine content)

PC-PRICE-25-0129

1-1/4" Inline™ Manifold (1 = 1/4")

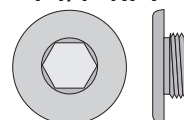


PART NUMBER CODE:

IM5-14-C-8-3/8-N-R/B/D

Red, Blue or Divided
Thread Type: N = NPT
P = Mark BSPP
T = Mark BSPT
8 Holes
Row on side "C"
14 = 13.5" Overall Length
(5) x 1/4" = 1-1/4" Port
Inline Manifold

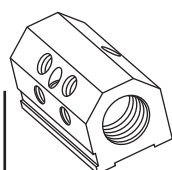
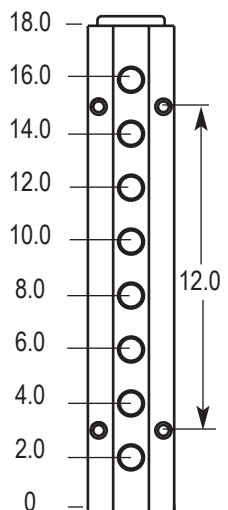
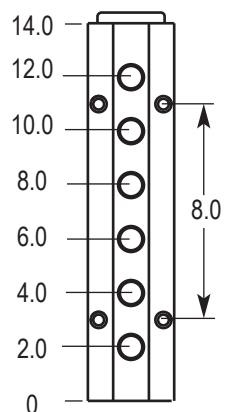
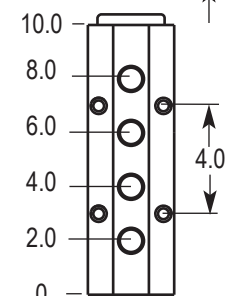
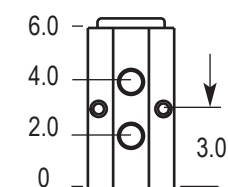
1-1/4" NPT



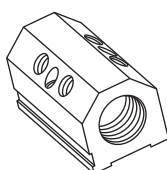
For Solid Color Manifolds
PRICES INCLUDE: End Cap and
Stainless mounting screws.
ADDITIONAL 1-1/4" MANIFOLD END
CAPS: IM-3050 - \$16.00 ea.
**CUSTOM MANIFOLDS
QUOTED UPON REQUEST**

The anodized aluminum is not suitable for corrosive liquids (high chlorine content)

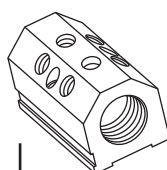
1-1/2" Inline™ Manifold (1 = 1/4")



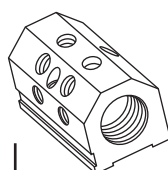
IM6-6-AB-4
3/8 or 1/2
\$120.00



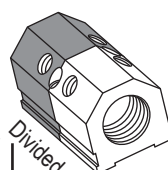
IM6-6-BD-4
3/8 or 1/2
\$120.00



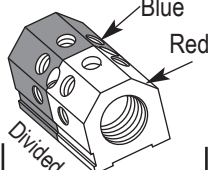
IM6-6-BCD-6
3/8 or 1/2
\$130.00



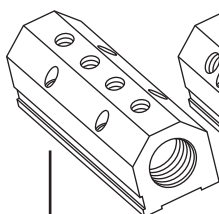
IM6-6-ABC-6
3/8 or 1/2
\$130.00



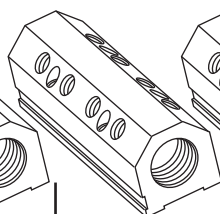
IM6-6-BD-2-2
3/8 or 1/2
\$138.00



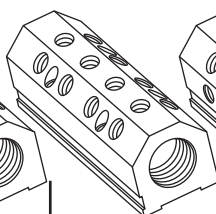
IM6-6-ABCDE-5-5
3/8 or 1/2
\$168.00



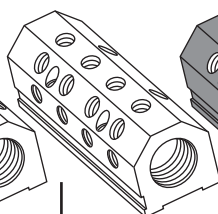
IM6-10-C-4
3/8 or 1/2
\$160.00



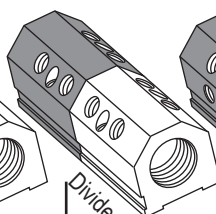
IM6-10-BD-8
3/8 or 1/2
\$180.00



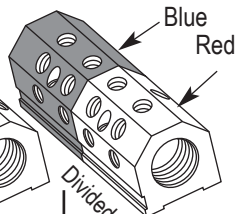
IM6-10-BCD-12
3/8 or 1/2
\$200.00



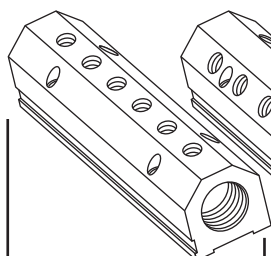
IM6-10-ABC-12
3/8 or 1/2
\$200.00



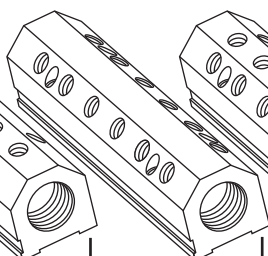
IM6-10-BD-4-4
3/8 or 1/2
\$198.00



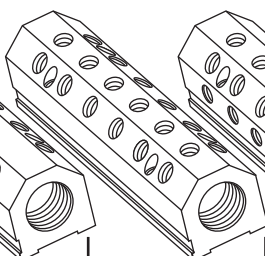
IM6-10-ABC-6-6
3/8 or 1/2
\$218.00



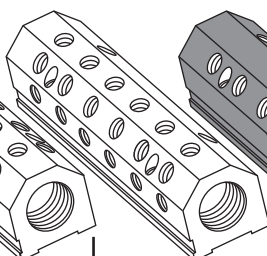
IM6-14-C-6
3/8 or 1/2
\$224.00



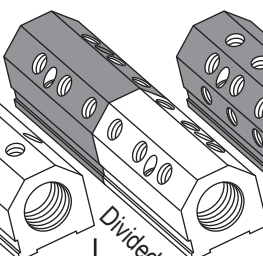
IM6-14-BD-12
3/8 or 1/2
\$254.00



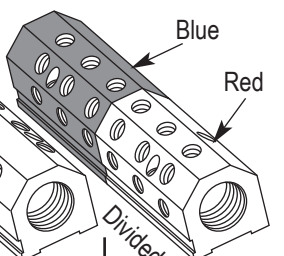
IM6-14-BCD-18
3/8 or 1/2
\$284.00



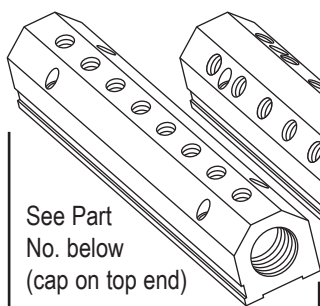
IM6-14-ABC-18
3/8 or 1/2
\$284.00



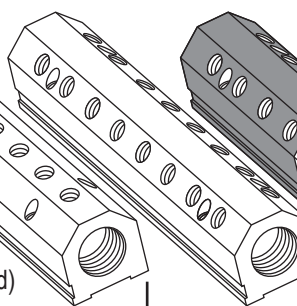
IM6-14-BD-6-6
3/8 or 1/2
\$272.00



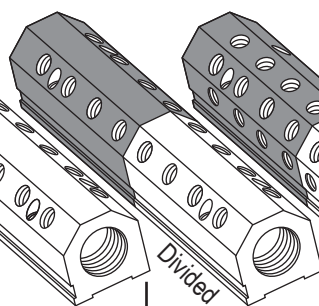
IM6-14-ABC-9-9
3/8 or 1/2
\$302.00



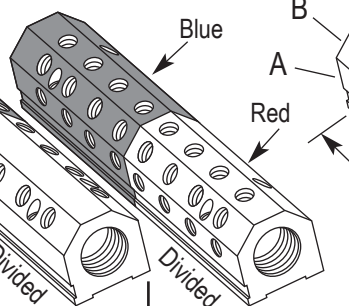
IM6-18-C-8
3/8 or 1/2
\$282.00



IM6-18-BD-16
3/8 or 1/2
\$322.00

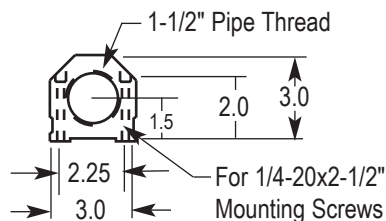


IM6-18-BD-8-8
3/8 or 1/2
\$340.00



IM6-18-ABC-12-12
3/8 or 1/2
\$380.00

See Part
No. below
(cap on top end)



PART NUMBER CODE:

IM6-18-C-8-3/8-N-R / B / D

Red, Blue or Divided

Thread Type: N = NPT

P = Mark BSPP

T = Mark BSPT

3/8" "Out"

8 Holes

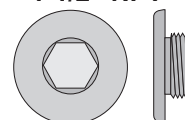
Row on side "C"

18 = 18" Overall Length

(6) x 1/4" = 1-1/2" Port

Inline Manifold

1-1/2" NPT



For Solid Color Manifolds

PRICES INCLUDE: End Cap and
Stainless mounting screws.

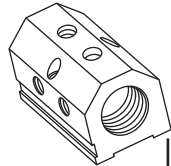
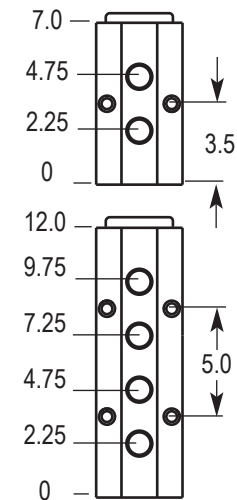
ADDITIONAL 1-1/2" MANIFOLD END
CAPS: IM-3060 - \$18.00 ea.

CUSTOM MANIFOLDS
QUOTED UPON REQUEST

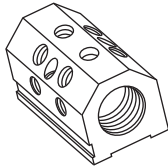
The anodized aluminum is not suitable for corrosive liquids (high chlorine content)

PC-PRICE-25-0129

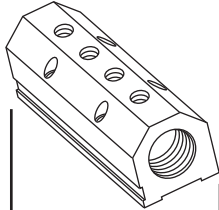
2" Inline™ Manifold (1 = 1/4")



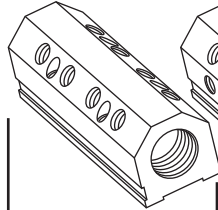
IM8-8-ACE-6
1/2, 3/4 or 1
\$176.00



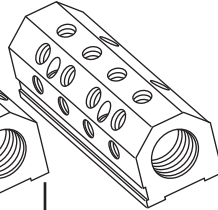
IM8-8-ABCDE-10
1/2 or 3/4
\$200.00



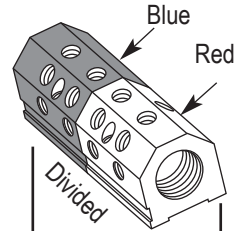
IM8-12-C-4
1/2, 3/4 or 1
\$212.00



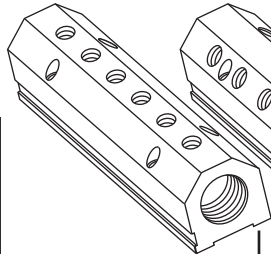
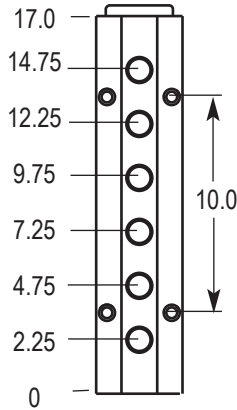
IM8-12-BD-8
1/2, 3/4 or 1
\$236.00



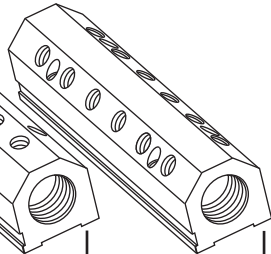
IM8-12-ABC-12
1/2 or 3/4
\$260.00



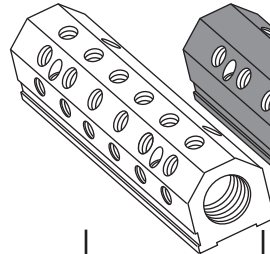
IM8-12-ABC-6-6
1/2 or 3/4
\$283.00



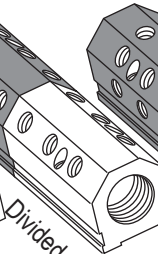
IM8-17-C-6
1/2, 3/4 or 1
\$285.00



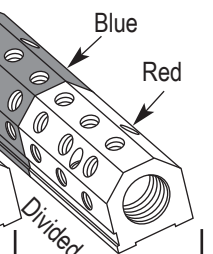
IM8-17-BD-12
1/2, 3/4 or 1
\$321.00



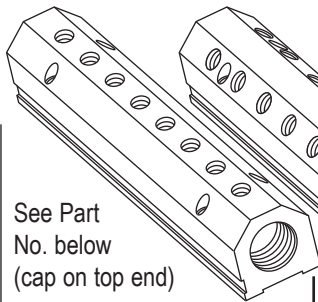
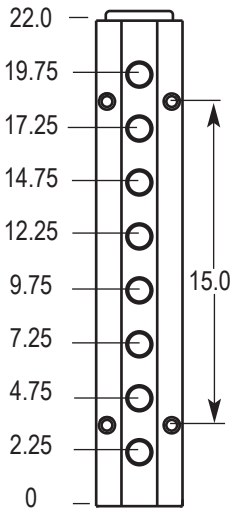
IM8-17-ABC-18
1/2 or 3/4
\$357.00



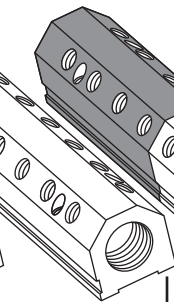
IM8-17-BD-6-6
1/2, 3/4 or 1
\$344.00



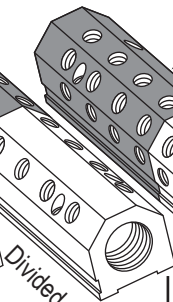
IM8-17-ABC-9-9
1/2 or 3/4
\$380.00



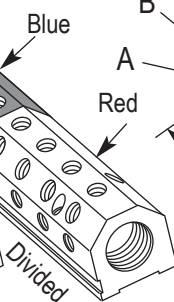
IM8-22-C-8
1/2, 3/4 or 1
\$358.00



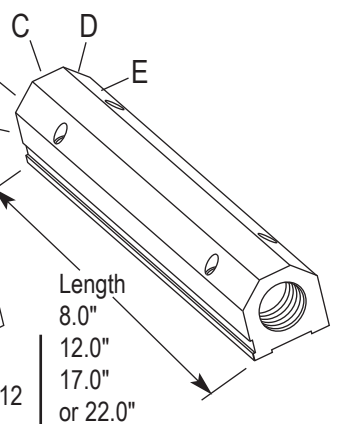
IM8-22-BD-16
1/2, 3/4 or 1
\$406.00



IM8-22-BD-8-8
1/2, 3/4 or 1
\$429.00

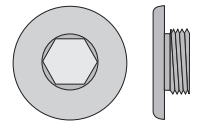


IM8-22-ABC-12-12
1/2 or 3/4
\$477.00



PC-PRICE-25-0129

2" NPT



For Solid Color Manifolds
PRICES INCLUDE: End Cap and
Stainless mounting screws.
**ADDITIONAL 2" MANIFOLD END
CAPS:** IM-3080 - \$20.00 ea.
**CUSTOM MANIFOLDS
QUOTED UPON REQUEST**

PART NUMBER CODE:

IM8-22-C-6-1/2-N-R / B / D

Red, Blue or Divided

Thread Type: N = NPT

P = Mark BSPP

T = Mark BSPT

1/2" "Out"

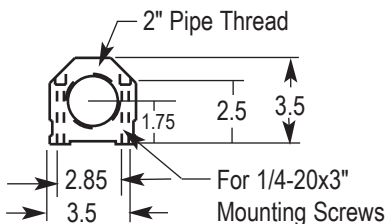
6 Holes

Row on side "C"

22 = 22" Overall Length

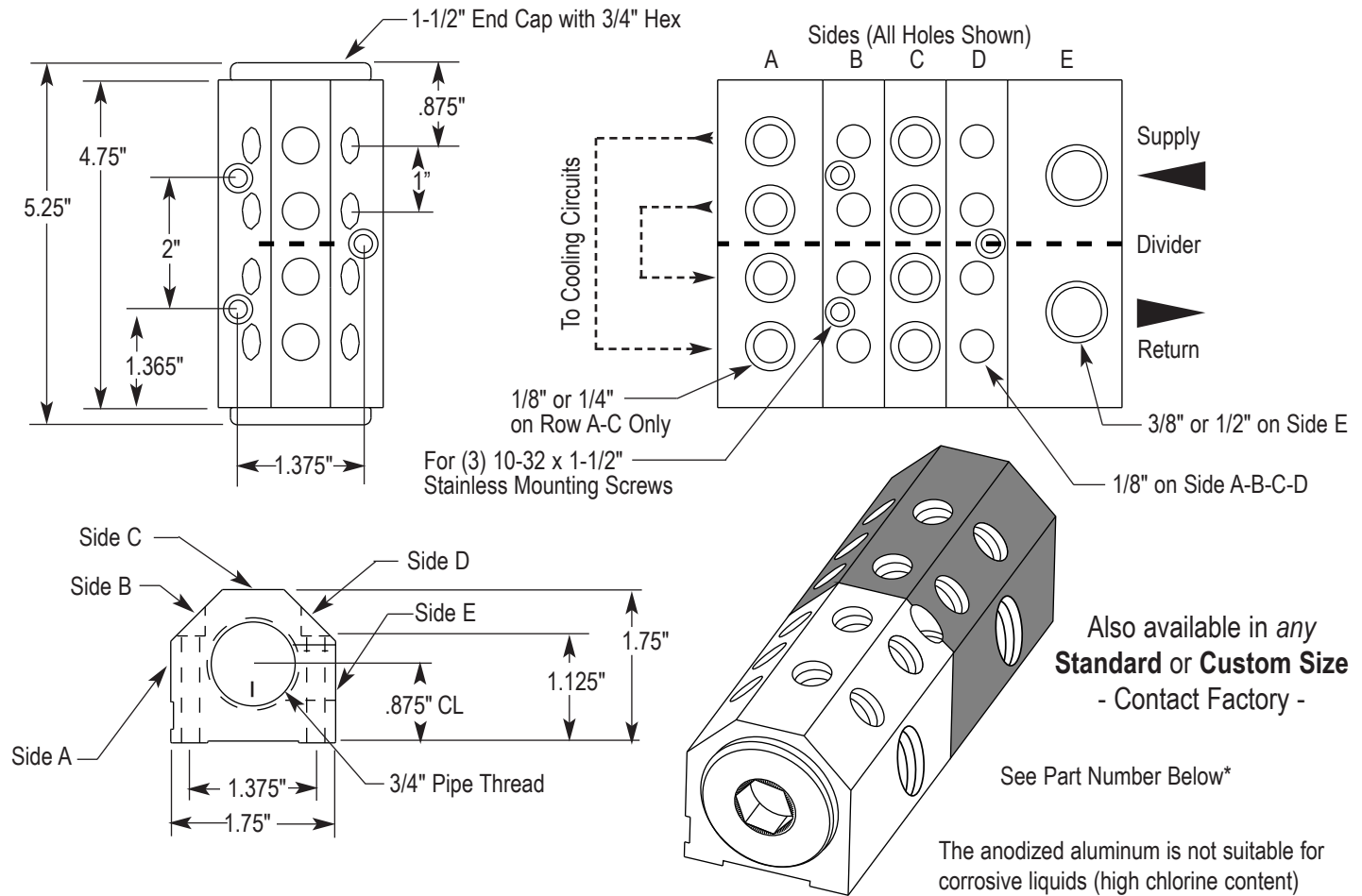
(8) x 1/4" = 2" Port

Inline Manifold



The anodized aluminum is not suitable for corrosive liquids (high chlorine content)

3/4" x 5" Sideline™ Manifold (1 = 1/4")



Outgoing Ports					Part Number	Price
Side A In/Out	Side B In/Out	Side C In/Out	Side D In/Out	Side E - Return In/Out		
	(2) (2) 1/8"-1/8"			3/8"-3/8"	IM3S-5-3/8-B-2-2-1/8-N-RB	\$133.00
(2) (2) 1/8"-1/8"	(2) (2) 1/8"-1/8"			3/8"-3/8"	IM3S-5-3/8-AB-4-4-1/8-N-RB	\$145.00
	(2) (2) 1/8"-1/8"		(2) (2) 1/8"-1/8"	3/8"-3/8"	*IM3S-5-3/8-BD-4-4-1/8-N-RB	\$145.00
	(2) (2) 1/8"-1/8"	(2) (2) 1/8"-1/8"	(2) (2) 1/8"-1/8"	3/8"-3/8"	IM3S-5-3/8-BCD-6-6-1/8-N-RB	\$157.00
(2) (2) 1/8"-1/8"	(2) (2) 1/8"-1/8"	(2) (2) 1/8"-1/8"	(2) (2) 1/8"-1/8"	3/8"-3/8"	IM3S-5-3/8-ABCD-8-8-1/8-N-RB	\$169.00
	(2) (2) 1/4"-1/4"			1/2"-1/2"	IM3S-5-1/2-B-2-2-1/4-N-RB	\$133.00
	(2) (2) 1/4"-1/4"		(2) (2) 1/4"-1/4"	1/2"-1/2"	IM3S-5-1/2-BD-4-4-1/4-N-RB	\$145.00

PRICE INCLUDES: End Caps and (3) 10-32 x 1-1/2" ST. ST. Mtg. Screws. ADDITIONAL 3/4" End Caps \$12.00 ea.

*Part Number Code:

IM3S-5-3/8-BD-4-4-1/8-N-RB

Sideline
Manifold
3/4" Body

5" Overall Length

3/8" or 1/2" Supply and Return

Red/Blue

Thread Type: N=NPT
P=BSPP
T=BSPT

1/8" or 1/4"
"Out" Ports

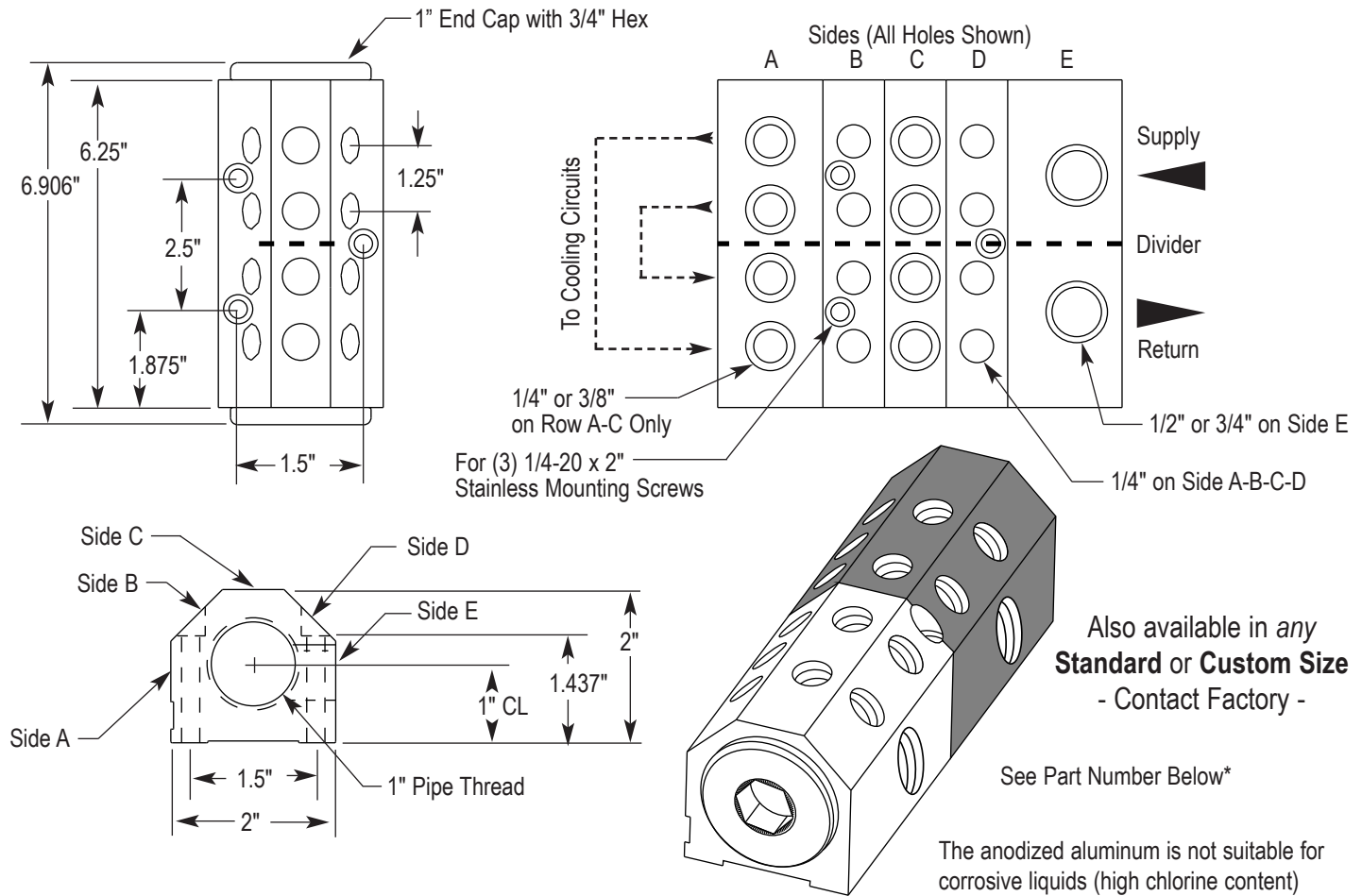
(4) "In" Ports

(4) "Out" Ports

"Out" on Side B-D

PC-PRICE-25-0129

1" x 7" Sideline™ Manifold (1 = 1/4")

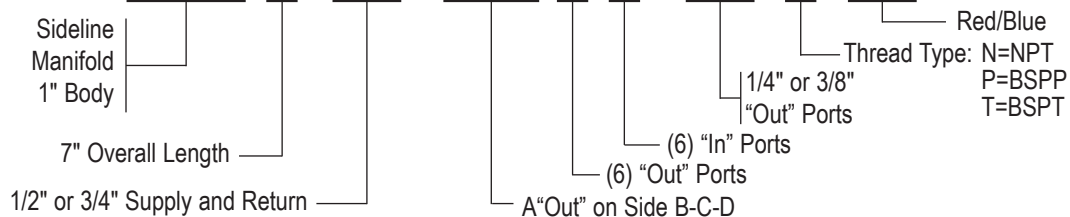


Outgoing Ports					Part Number	Price
Side A In/Out	Side B In/Out	Side C In/Out	Side D In/Out	Side E - Return In/Out		
	(2) (2) 1/4"-1/4"			1/2"-1/2"	IM4S-7-1/2-B-2-2-1/4-N-RB	\$166.00
(2) (2) 1/4"-1/4"	(2) (2) 1/4"-1/4"			1/2"-1/2"	IM4S-7-1/2-AB-4-4-1/4-N-RB	\$178.00
	(2) (2) 1/4"-1/4"		(2) (2) 1/4"-1/4"	1/2"-1/2"	IM4S-7-1/2-BD-4-4-1/4-N-RB	\$178.00
	(2) (2) 1/4"-1/4"	(2) (2) 1/4"-1/4"	(2) (2) 1/4"-1/4"	1/2"-1/2"	*IM4S-7-1/2-BCD-6-6-1/4-N-RB	\$190.00
(2) (2) 1/4"-1/4"	(2) (2) 1/4"-1/4"	(2) (2) 1/4"-1/4"	(2) (73) 1/4"-1/4"	1/2"-1/2"	IM4S-7-1/2-ABCD-8-8-1/4-N-RB	\$202.00
	(2) (2) 3/8"-3/8"			3/4"-3/4"	IM4S-7-3/4-B-2-2-3/8-N-RB	\$166.00
	(2) (2) 3/8"-3/8"		(2) (2) 3/8"-3/8"	3/4"-3/4"	IM4S-7-3/4-BD-4-4-3/8-N-RB	\$178.00

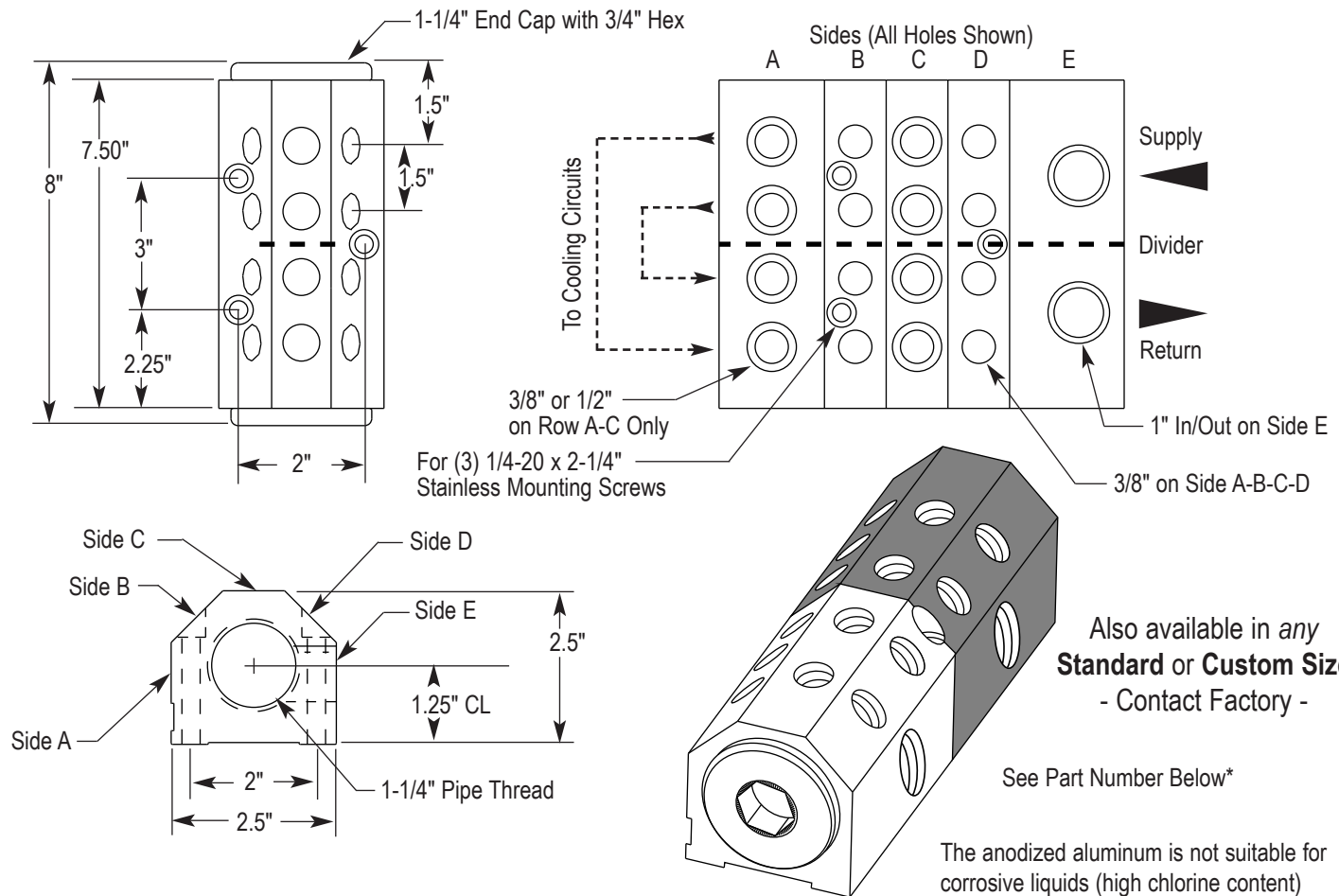
PRICE INCLUDES: End Caps and (3) 1/4-20x2" ST. ST. Mtg. Screws. ADDITIONAL 1" End Caps \$14.00 ea.

*Part Number Code:

IM4S-7- 1/2 - BCD-6- 6 - 1/4- N -RB



1-1/4" x 8" Sideline™ Manifold (1 = 1/4")



Outgoing Ports					Part Number	Price
Side A In/Out	Side B In/Out	Side C In/Out	Side D In/Out	Side E - Return In/Out		
	(2) (2) 3/8"-3/8"			1"-1"	IM5S-8-1-B-2-2-3/8-N-RB	\$207.00
(2) (2) 3/8"-3/8"	(2) (2) 3/8"-3/8"			1"-1"	IM5S-8-1-AB-4-4-3/8-N-RB	\$223.00
	(2) (2) 3/8"-3/8"		(2) (2) 3/8"-3/8"	1"-1"	IM5S-8-1-BD-4-4-3/8-N-RB	\$223.00
	(2) (2) 3/8"-3/8"	(2) (2) 3/8"-3/8"	(2) (2) 3/8"-3/8"	1"-1"	IM5S-8-1-ABC-6-6-3/8-N-RB	\$239.00
(2) (2) 3/8"-3/8"	(2) (2) 3/8"-3/8"	(2) (2) 3/8"-3/8"	(2) (2) 3/8"-3/8"	1"-1"	*IM5S-8-1-ABCD-8-8-3/8-N-RB	\$255.00
	(2) (2) 1/2"-1/2"			1"-1"	IM5S-8-1-B-2-2-1/2-N-RB	\$207.00
	(2) (2) 1/2"-1/2"		(2) (2) 1/2"-1/2"	1"-1"	IM5S-8-1-BD-4-4-1/2-N-RB	\$223.00

PRICE INCLUDES: End Caps and (3) 1/4-20 x 2-1/4" ST. ST. Mtg. Screws. ADDITIONAL 1-1/4" End Caps \$16.00 ea.

*Part Number Code:

IM5S - 8 - 1 - ABCD - 8 - 8 - 3/8 - N - RB

Sideline
Manifold
1-1/4" Body

8" Overall Length

1" Supply and Return

"Out" on Side A-B-C-D

(8) "In" Ports
(8) "Out" Ports

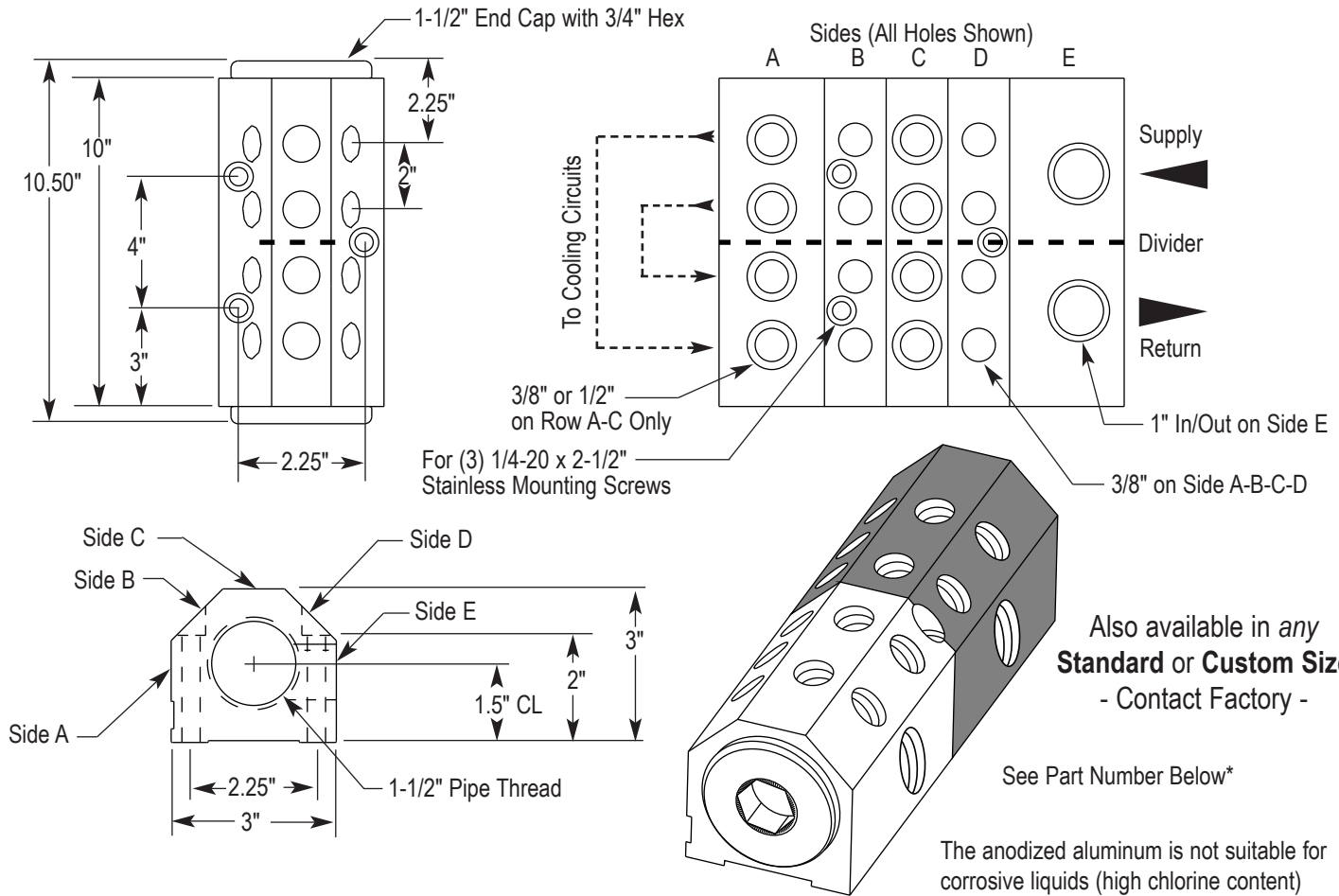
3/8" or 1/2"
"Out" Ports

Thread Type: N=NPT
P=BSPP
T=BSPT

Red/Blue

PC-PRICE-25-0129

1-1/2" x 10" Sideline™ Manifold (1 = 1/4")

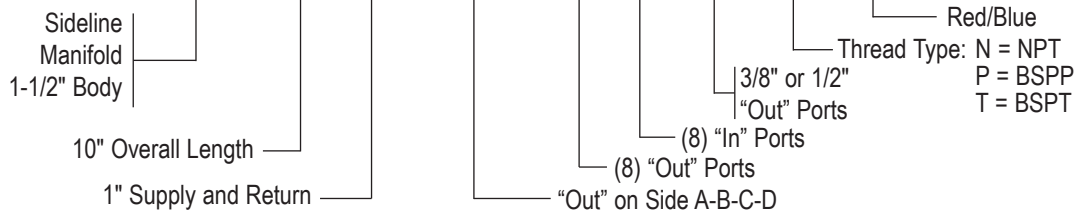


Outgoing Ports					Part Number	Price
Side A In/Out	Side B In/Out	Side C In/Out	Side D In/Out	Side E - Return In/Out		
	(2) (2) 3/8"-3/8"			1"-1"	IM6S-10-1-B-2-2-3/8-N-RB	\$224.00
(2) (2) 3/8"-3/8"	(2) (2) 3/8"-3/8"			1"-1"	IM6S-10-1-AB-4-4-3/8-N-RB	\$244.00
	(2) (2) 3/8"-3/8"		(2) (2) 3/8"-3/8"	1"-1"	IM6S-10-1-BD-4-4-3/8-N-RB	\$244.00
	(2) (2) 3/8"-3/8"	(2) (2) 3/8"-3/8"	(2) (2) 3/8"-3/8"	1"-1"	IM6S-10-1-ABC-6-6-3/8-N-RB	\$264.00
(2) (2) 3/8"-3/8"	(2) (2) 3/8"-3/8"	(2) (2) 3/8"-3/8"	(2) (2) 3/8"-3/8"	1"-1"	*IM6S-10-1-ABCD-8-8-3/8-N-RB	\$284.00
	(2) (2) 1/2"-1/2"			1"-1"	IM6S-10-1-B-2-2-1/2-N-RB	\$224.00
	(2) (2) 1/2"-1/2"		(2) (2) 1/2"-1/2"	1"-1"	IM6S-10-1-BD-4-4-1/2-N-RB	\$244.00

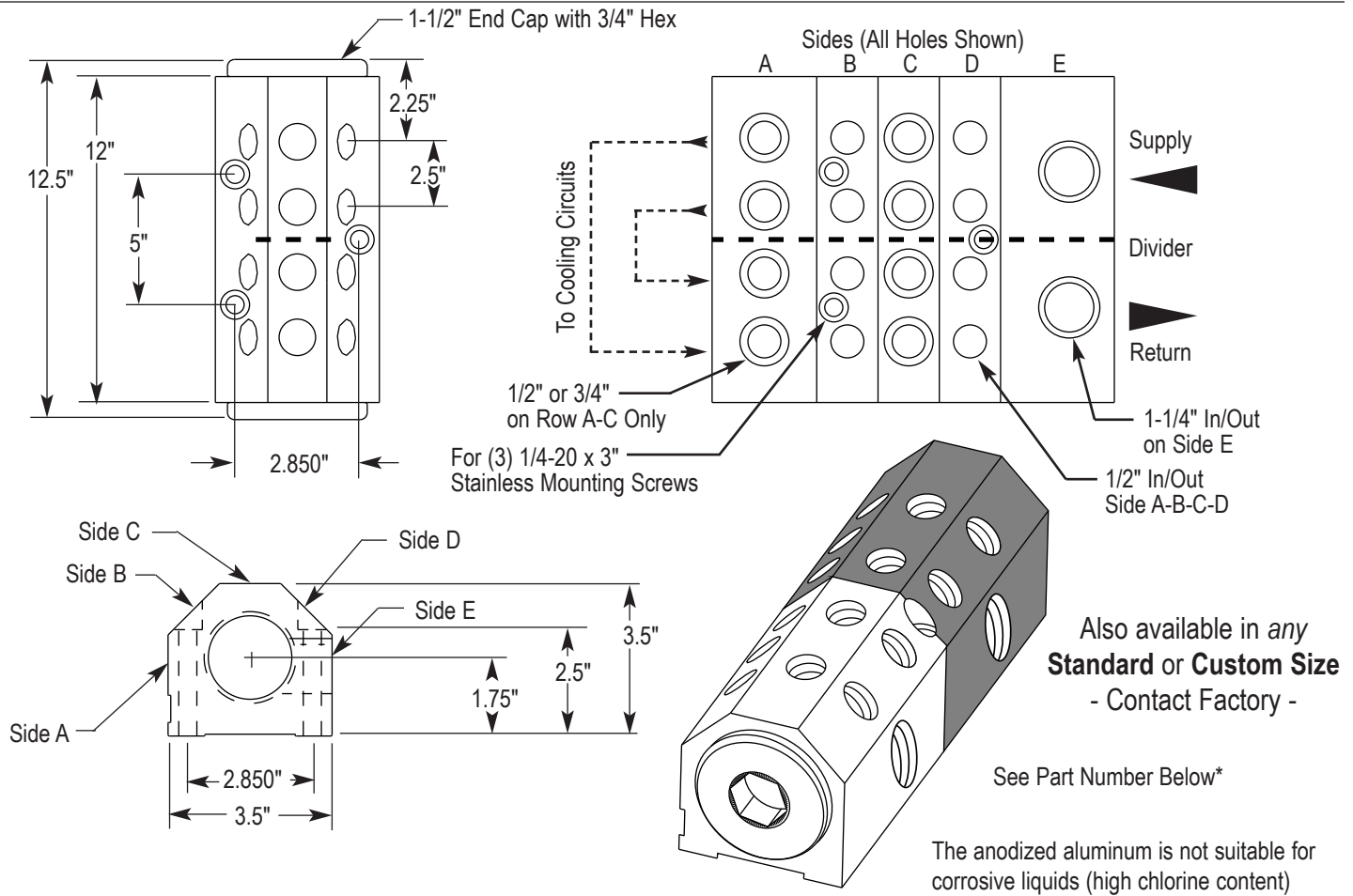
PRICE INCLUDES: End Caps and (3) 1/4-20 x 2-1/2" ST. ST. Mtg. Screws. ADDITIONAL 1-1/2" End Caps \$18.00 ea.

*Part Number Code:

IM6S - 10 - 1 - ABCD - 8 - 8 - 3/8 - N - RB



2" x 12" Sideline™ Manifold (1 = 1/4")



Outgoing Ports					Part Number	Price
Side A In/Out	Side B In/Out	Side C In/Out	Side D In/Out	Side E - Return In/Out		
	(2) (2) 1/2"-1/2"			1-1/4"-1-1/4"	IM8S-12-1-1/4-B-2-2-1/2-N-RB	\$287.00
(2) (2) 1/2"-1/2"	(2) (2) 1/2"-1/2"			1-1/4"-1-1/4"	IM8S-12-1-1/4-AB-4-4-1/2-N-RB	\$311.00
	(2) (2) 1/2"-1/2"		(2) (2) 1/2"-1/2"	1-1/4"-1-1/4"	IM8S-12-1-1/4-BD-4-4-1/2-N-RB	\$311.00
	(2) (2) 1/2"-1/2"	(2) (2) 1/2"-1/2"	(2) (2) 1/2"-1/2"	1-1/4"-1-1/4"	IM8S-12-1-1/4-BCD-6-6-1/2-N-RB	\$335.00
(2) (2) 1/2"-1/2"	(2) (2) 1/2"-1/2"	(2) (2) 1/2"-1/2"	(2) (2) 1/2"-1/2"	1-1/4"-1-1/4"	*IM8S-12-1-1/4-ABCD-8-8-1/2-N-RB	\$359.00
	(2) (2) 3/4"-3/4"			1-1/4"-1-1/4"	IM8S-12-1-1/4-B-2-2-3/4-N-RB	\$287.00
	(2) (2) 3/4"-3/4"		(2) (2) 3/4"-3/4"	1-1/4"-1-1/4"	IM8S-12-1-1/4-BD-4-4-3/4-N-RB	\$311.00

PRICE INCLUDES: End Caps and 1/4 - 20 x 3" ST. ST. Mtg. Screws. ADDITIONAL 2" End Caps \$20.00 ea.

*Part Number Code: **IM8S - 12 - 1-1/4 - ABCD - 8 - 8 - 3/8 - N - RB**

Sideline
Manifold
2" Body

12" Long Overall Length

1-1/4" Supply and Return

Red/Blue
Thread Type: N = NPT
P = BSPP
T = BSPT

3/8", 1/2" or 3/4"

"Out" Ports

(8) "In" Ports

(8) "Out" Ports

"Out" on Side A-B-C-D

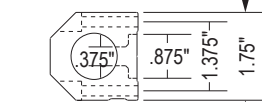
PC-PRICE-25-0129

BottomLine™ Custom Mold Mounted Manifold

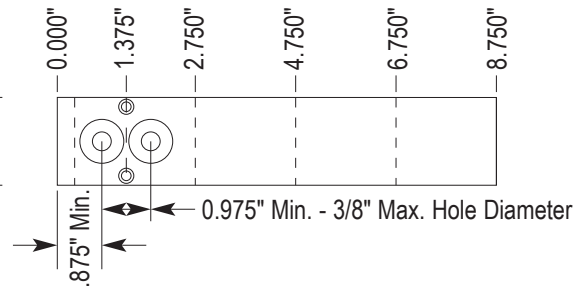
Submit your requirements for pricing
and delivery
CITO PRODUCTS INC.
ATTENTION: SALES DEPARTMENT

CITO will submit drawing and
assign part number to your models

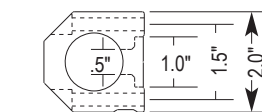
3/4" IB3



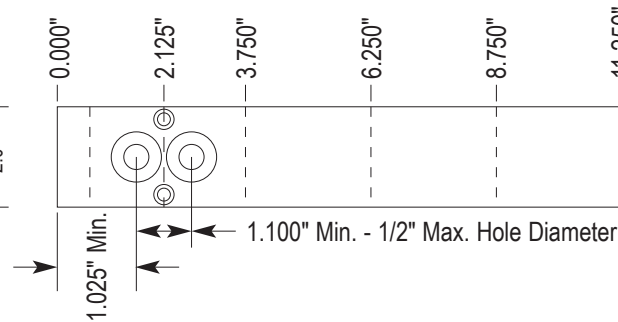
3/8" Hole Diameter
310 "O" Ring
ORDER # IB3-XXXX-XX



1" IB4



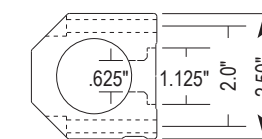
1/2" Hole Diameter
312 "O" Ring
ORDER # IB4-XXXX-XX



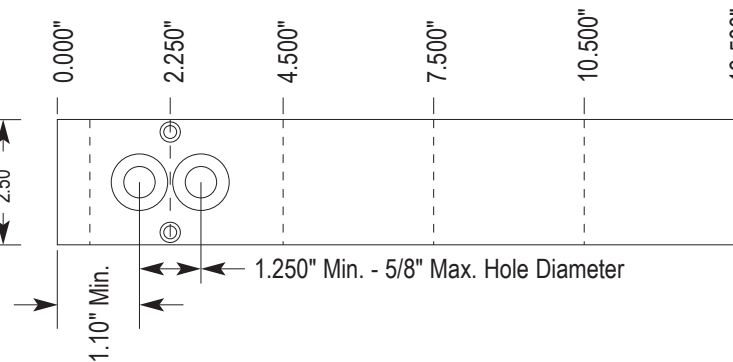
IB4 - 02NB - 01

InLine	Zones	Serial
	3 = 3/4"	R - Red
	4 = 1"	B - Blue
	5 = 1-1/4"	
	6 = 1-1/2"	
	8 = 2"	
Bottomline	N = National Pipe Taper (USA) P = Parallel Pipe T = Tapered Pipe	

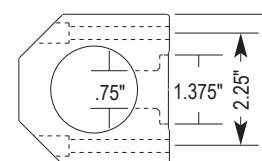
1-1/4" IB5



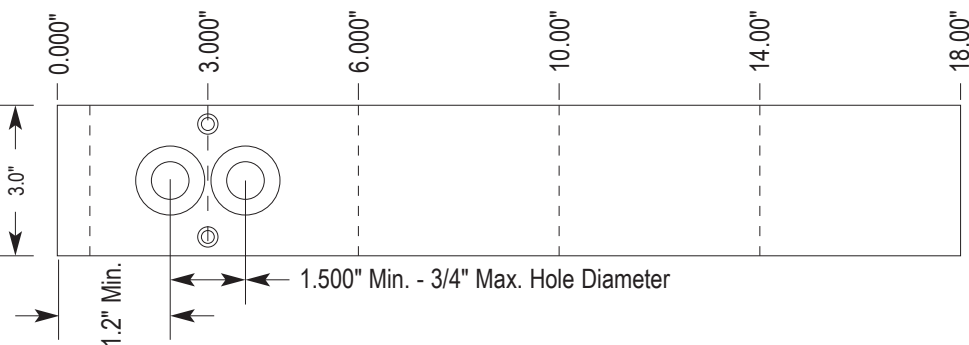
5/8" Hole Diameter
314 "O" Ring
ORDER # IB5-XXXX-XX



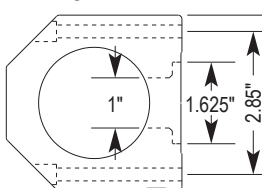
1-1/2" IB6



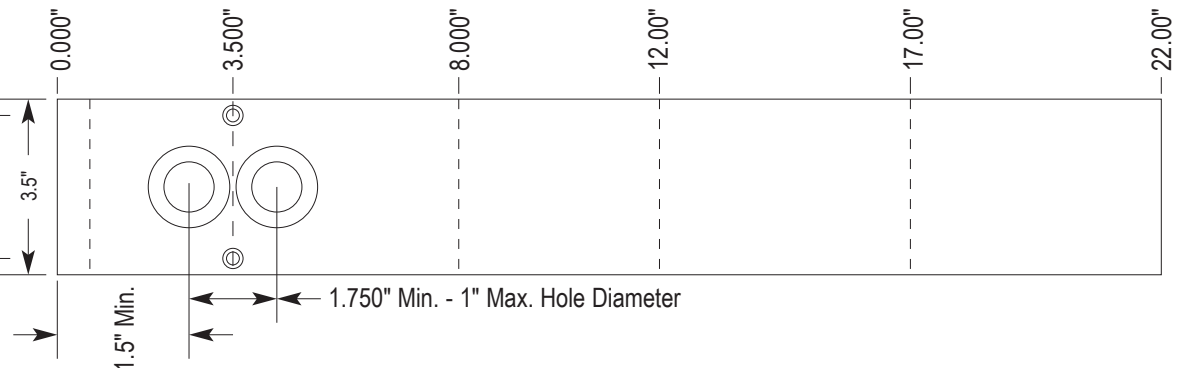
3/4" Hole Diameter
318 "O" Ring
ORDER # IB6-XXXX-XX



2" IB8

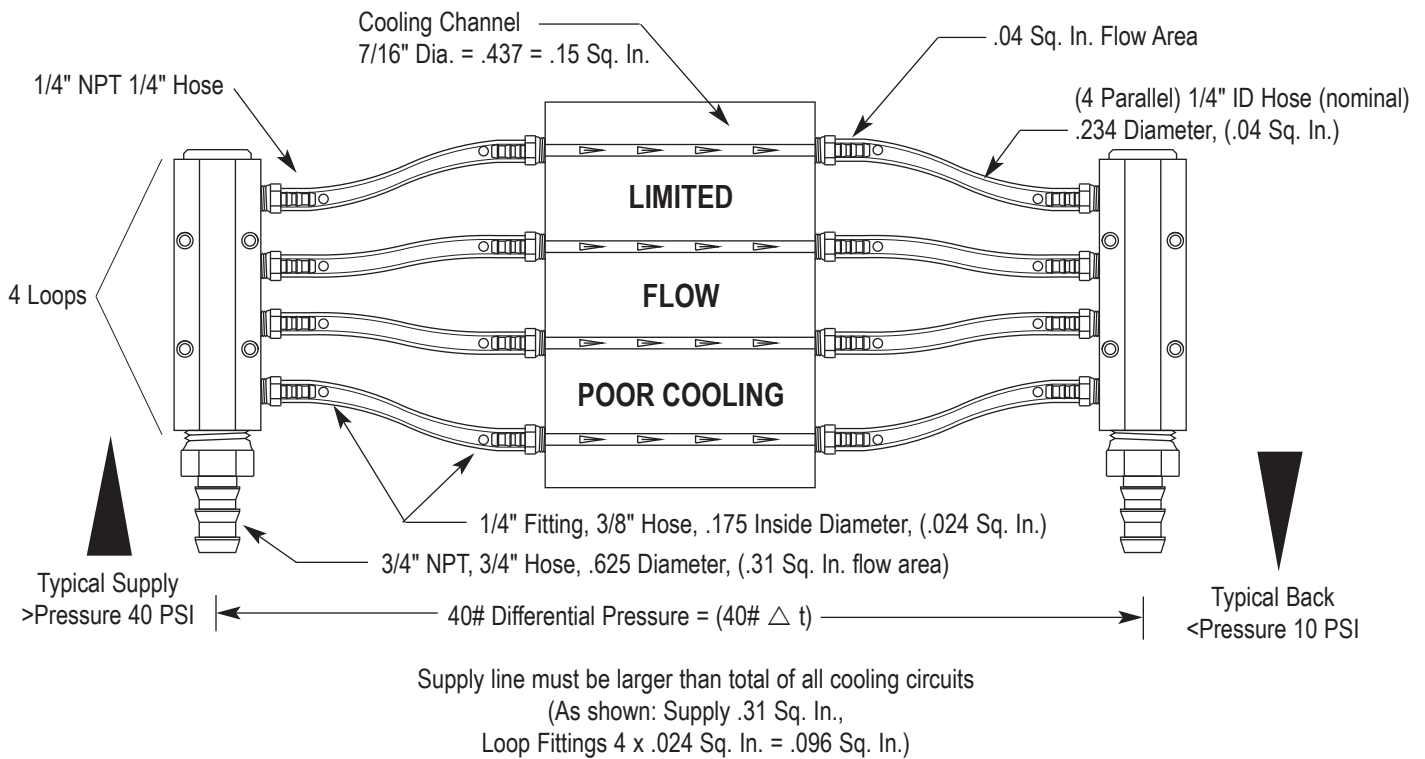


1" Hole Diameter
322 "O" Ring
ORDER # IB8-XXXX-XX

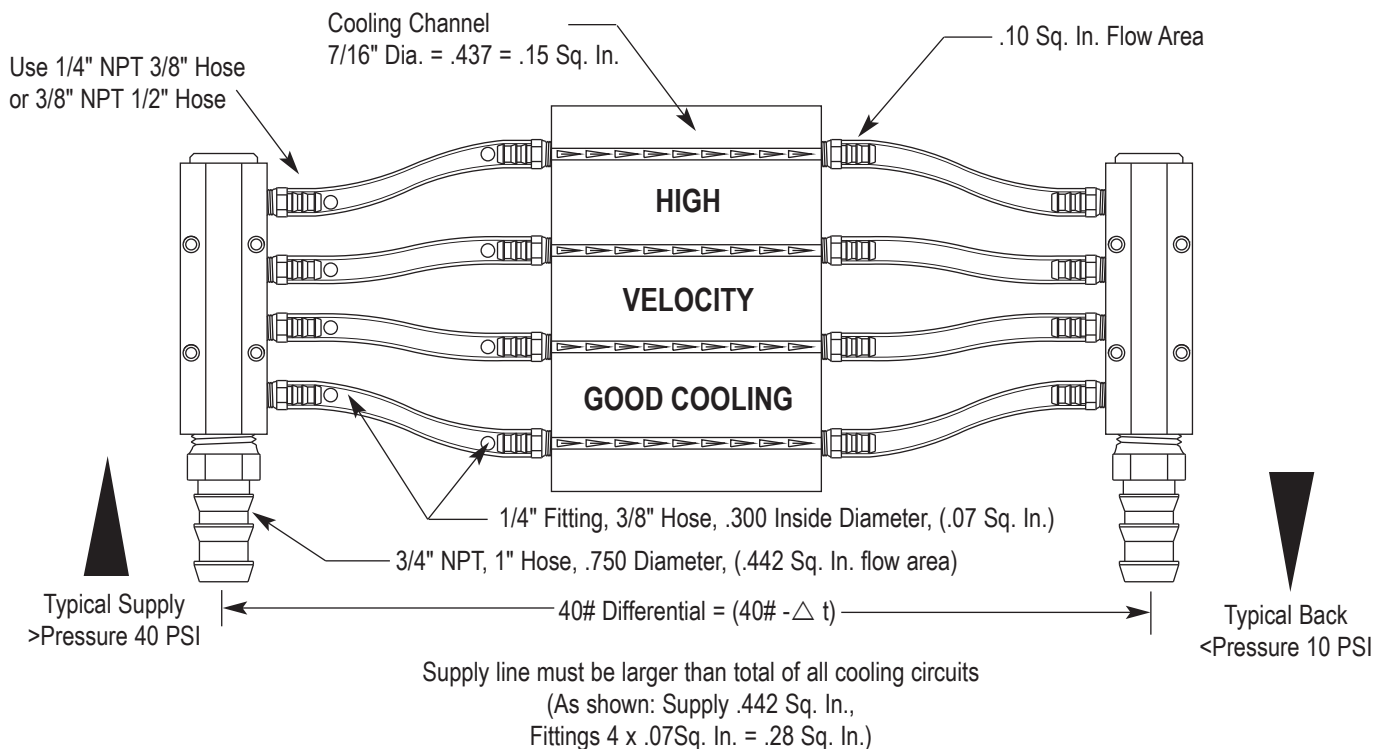


PC-PRICE-24-0717

Flow Restrictions



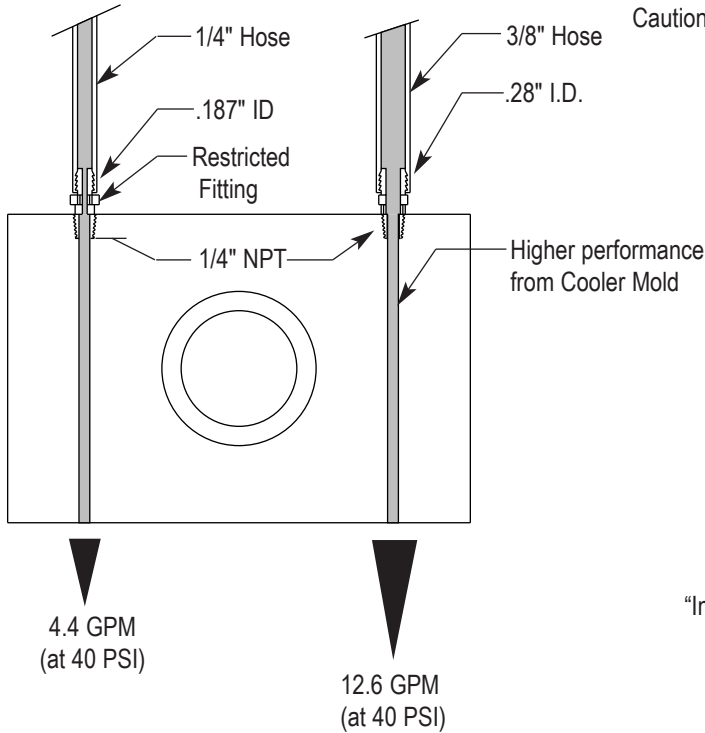
HIGH PERFORMANCE COOLING USE OF FULL FLOW FITTINGS



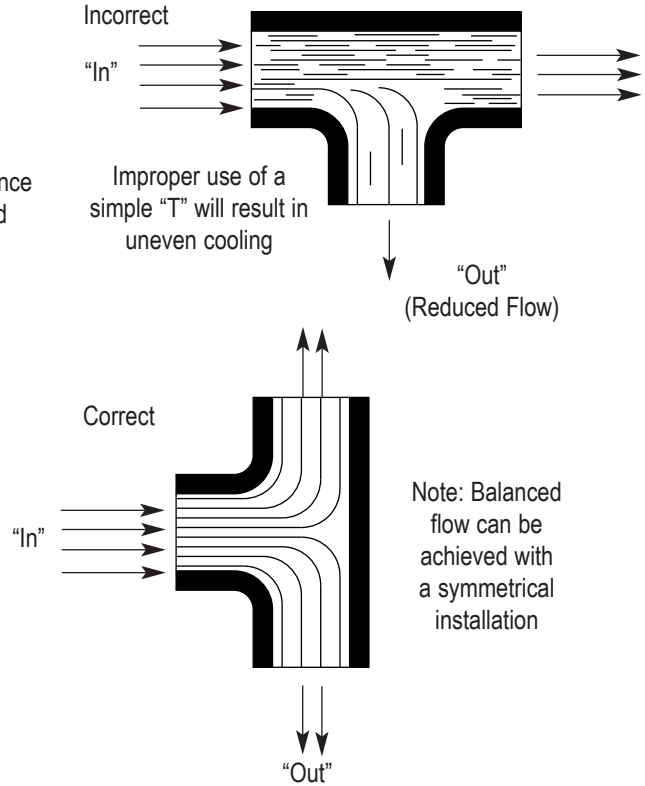
PC-PRICE-24-0717

Flow Considerations

Flow Restriction (or Unbalanced) Hook Ups Will Increase Cycle Time



Caution: Unbalanced flow will result from change in flow direction.



200% More Flow Area with High Flow Fittings

A mold will always be limited by its least cooled cavity. Coolant supply area should always be more than total mold ports area to avoid starving the mold of pressure and flow. Pressure difference across the mold should be no less than 40 P.S.I.
Avoid kinked hoses and any other restrictions.

Hose I.O.	Fitting Orifice Size	Area Square Inch	Supply area should exceed total of outlets (area square inch)						
			2 Ports	4 Ports	6 Ports	8 Ports	10 Ports	12 Ports	16 Ports
1/4"	.19"	.03	.06"	.12	.18	.24	.30	.36	.48
3/8"	.28"	.06	.12"	.24	.36	.48	.60	.72	.96
1/2"	.40"	.12	.24"	.48	.72	.96	1.20	1.44	1.92
3/4"	.56"	.25	.50"	1.0	1.50	2.00	2.50	3.00	4.00
1"	.87"	.59							
1-1/4"	1.0"	.78							
1-1/2"	1.25"	1.23							
2"	1.88"	2.7							

Example:
Supply 1" .59 sq. inch
3/8" waterlines = .06 square inches
.56 divided by .06 = up to 9 waterlines

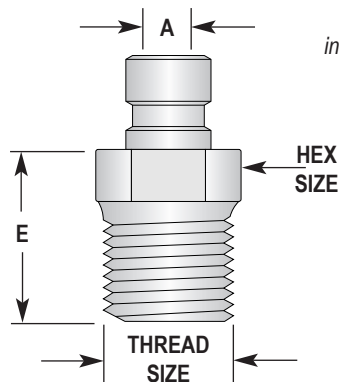
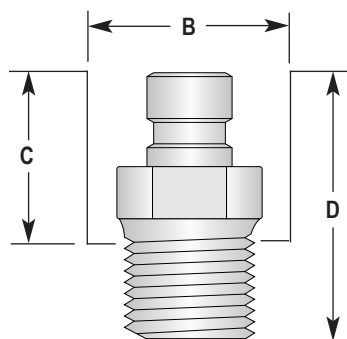
Note: supply .48 sq. in. exceeds total hold cooling channel area

A typical mold with 8 (3/8) cooling circuits can be supplied with a 1" manifold.

PC-PRICE-24-0717

"C" Series Plugs (1 = 1/16")

"C" Series - Straight Through - Male Plugs

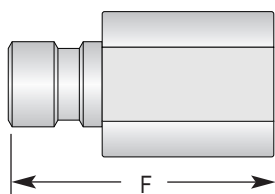


High quality brass connector
interchangeable with Parker Moldmate
DME, OBAC Mold Tite, etc.

USE WITH BODY SIZE	NOMINAL BODY SIZE	THREAD SIZE	HEX SIZE	"A"	"B"	"C"	"D"	"E"	PART NO.	PRICE
.704"	1/4"	1/8" - 27	7/16"	.240	.844	.70	.94	.52	CMP-04-02	...\$.85
.704"	1/4"	1/4" - 18	9/16"	.240	.844	.85	1.13	.70	CMP-04-04	...\$.86
.950"	3/8"	1/4" - 18	9/16"	.364	1.00	1.00	1.34	.70	CMP-06-04	...\$.99
.950"	3/8"	3/8" - 18	11/16"	.364	1.00	1.14	1.38	.73	CMP-06-06	...\$ 1.82
1.200"	1/2"	1/2" - 14	7/8"	.592	1.25	1.50	1.69	.90	CMP-08-08	...\$ 2.75

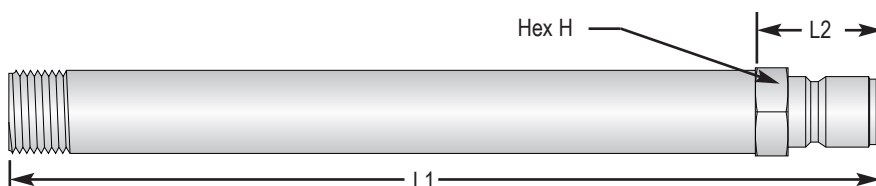
"C" Series - Straight Through - Plated Steel - Female Plugs

SIZE



BODY SIZE	THREAD SIZE	HEX "F"	PART NO.	PRICE
1/4"	1/8" - 27	7/16"	.97	CFP-04-02.....\$ 1.06
1/4"	1/4" - 18	9/16"	1.28	CFP-04-04.....\$ 1.22
3/8"	1/4" - 18	9/16"	1.47	CFP-06-04.....\$ 1.17
3/8"	3/8" - 18	3/4"	1.59	CFP-06-06.....\$ 1.97
1/2"	1/2" - 14	15/16"	1.77	CFP-08-08.....\$ 3.56

"C" Series - Straight Through Male Extension Plugs

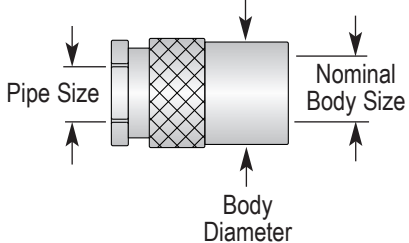
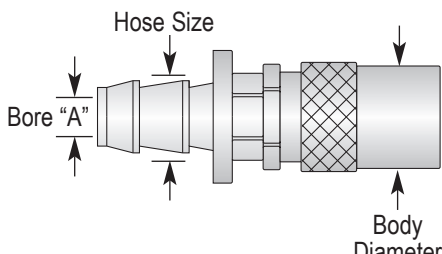
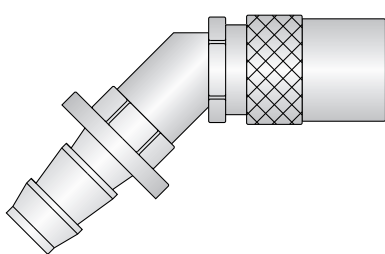
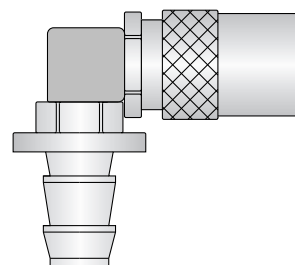
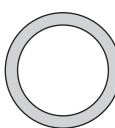


BODY SIZE	NPT LENGTH	(L1)	LENGTH(L2)	HEX(H)	PART NO.	PRICE
1/4"	1/8" - 27	2"	11/16"	7/16"	MEP-04-02-2	...\$ 2.56
1/4"	1/8" - 27	4"	11/16"	7/16"	MEP-04-02-4	...\$ 3.10
1/4"	1/8" - 27	6"	11/16"	7/16"	MEP-04-02-6	...\$ 6.62
1/4"	1/8" - 27	8"	11/16"	7/16"	MEP-04-02-8	...\$ 6.62
1/4"	1/4" - 18	2"	11/16"	7/16"	MEP-04-04-2	...\$ 2.84
1/4"	1/4" - 18	4"	11/16"	7/16"	MEP-04-04-4	...\$ 2.84
1/4"	1/4" - 18	6"	11/16"	7/16"	MEP-04-04-6	...\$ 7.60
1/4"	1/4" - 18	8"	11/16"	7/16"	MEP-04-04-8	...\$ 8.75
3/8"	1/8" - 18	2"	11/16"	7/16"	MEP-06-02-2	...\$ 2.83
3/8"	1/8" - 18	6"	11/16"	7/16"	MEP-06-02-6	...\$ 7.13
3/8"	1/4" - 18	2"	1-1/32"	9/16"	MEP-06-04-2	...\$ 2.84
3/8"	1/4" - 18	4"	1-1/32"	9/16"	MEP-06-04-4	...\$ 3.42
3/8"	1/4" - 18	6"	1-1/32"	9/16"	MEP-06-04-6	...\$ 7.27
3/8"	1/4" - 18	8"	1-1/32"	9/16"	MEP-06-04-8	...\$ 9.79

AVAILABLE UP TO 17 INCHES LONG - QUOTATION UPON REQUEST

PC-PRICE-24-0717

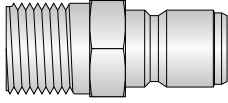
“C” Series Quick Connector Couplings (1 = 1/16")

	<table><tr><th colspan="3">Socket “C” Series</th><th>PART NO.</th><th>PRICE</th></tr><tr><th>NOMINAL BODY SIZE</th><th>BODY DIAMETER</th><th>PIPE SIZE</th><td></td><td></td></tr><tr><td>1/4"</td><td>.704</td><td>1/8"</td><td>CS-04-02</td><td>\$ 4.37</td></tr><tr><td>1/4"</td><td>.704</td><td>1/4"</td><td>CS-04-04</td><td>\$ 5.35</td></tr><tr><td>3/8"</td><td>.950</td><td>1/4"</td><td>CS-06-04</td><td>\$ 5.38</td></tr><tr><td>3/8"</td><td>.950</td><td>3/8"</td><td>CS-06-06</td><td>\$ 6.10</td></tr><tr><td>1/2"</td><td>1.200</td><td>1/2"</td><td>CS-08-08</td><td>\$ 9.56</td></tr></table>	Socket “C” Series			PART NO.	PRICE	NOMINAL BODY SIZE	BODY DIAMETER	PIPE SIZE			1/4"	.704	1/8"	CS-04-02	\$ 4.37	1/4"	.704	1/4"	CS-04-04	\$ 5.35	3/8"	.950	1/4"	CS-06-04	\$ 5.38	3/8"	.950	3/8"	CS-06-06	\$ 6.10	1/2"	1.200	1/2"	CS-08-08	\$ 9.56								
Socket “C” Series			PART NO.	PRICE																																								
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	<table><tr><th colspan="5">Hose Socket “C” Series</th><th>PART NO.</th><th>PRICE</th></tr><tr><th>NOMINAL BODY SIZE</th><th>BODY DIAMETER</th><th>HOSE SIZE</th><th>BORE “A”</th><td></td><td></td></tr><tr><td>1/4"</td><td>.704</td><td>1/4"</td><td>.238</td><td>CHS-04-04</td><td>\$ 5.54</td></tr><tr><td>1/4"</td><td>.704</td><td>3/8"</td><td>.300</td><td>CHS-04-06</td><td>\$ 5.72</td></tr><tr><td>3/8"</td><td>.950</td><td>3/8"</td><td>.300</td><td>CHS-06-06</td><td>\$ 6.84</td></tr><tr><td>3/8"</td><td>.950</td><td>1/2"</td><td>.408</td><td>CHS-06-08</td><td>\$ 7.27</td></tr><tr><td>1/2"</td><td>1.200</td><td>1/2"</td><td>.408</td><td>CHS-08-08</td><td>\$12.87</td></tr></table>	Hose Socket “C” Series					PART NO.	PRICE	NOMINAL BODY SIZE	BODY DIAMETER	HOSE SIZE	BORE “A”			1/4"	.704	1/4"	.238	CHS-04-04	\$ 5.54	1/4"	.704	3/8"	.300	CHS-04-06	\$ 5.72	3/8"	.950	3/8"	.300	CHS-06-06	\$ 6.84	3/8"	.950	1/2"	.408	CHS-06-08	\$ 7.27	1/2"	1.200	1/2"	.408	CHS-08-08	\$12.87
Hose Socket “C” Series					PART NO.	PRICE																																						
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1/2"	1.200	1/2"	.408	CHS-08-08	\$12.87																																							
	<table><tr><th colspan="5">Hose Socket “C” Series 45°</th><th>PART NO.</th><th>PRICE</th></tr><tr><th>NOMINAL BODY SIZE</th><th>BODY DIAMETER</th><th>HOSE SIZE</th><th>BORE “A”</th><td></td><td></td></tr><tr><td>1/4"</td><td>.704</td><td>1/4"</td><td>.238</td><td>CHS-45-04-04</td><td>\$ 7.13</td></tr><tr><td>1/4"</td><td>.704</td><td>3/8"</td><td>.300</td><td>CHS-45-04-06</td><td>\$ 7.13</td></tr><tr><td>3/8"</td><td>.950</td><td>3/8"</td><td>.300</td><td>CHS-45-06-06</td><td>\$ 8.78</td></tr><tr><td>3/8"</td><td>.950</td><td>1/2"</td><td>.408</td><td>CHS-45-06-08</td><td>\$ 9.23</td></tr></table>	Hose Socket “C” Series 45°					PART NO.	PRICE	NOMINAL BODY SIZE	BODY DIAMETER	HOSE SIZE	BORE “A”			1/4"	.704	1/4"	.238	CHS-45-04-04	\$ 7.13	1/4"	.704	3/8"	.300	CHS-45-04-06	\$ 7.13	3/8"	.950	3/8"	.300	CHS-45-06-06	\$ 8.78	3/8"	.950	1/2"	.408	CHS-45-06-08	\$ 9.23						
Hose Socket “C” Series 45°					PART NO.	PRICE																																						
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	<table><tr><th colspan="5">Hose Socket “C” Series 90°</th><th>PART NO.</th><th>PRICE</th></tr><tr><th>NOMINAL BODY SIZE</th><th>BODY DIAMETER</th><th>HOSE SIZE</th><th>BORE “A”</th><td></td><td></td></tr><tr><td>1/4"</td><td>.704</td><td>1/4"</td><td>.238</td><td>CHS-90-04-04</td><td>\$ 7.16</td></tr><tr><td>1/4"</td><td>.704</td><td>3/8"</td><td>.300</td><td>CHS-90-04-06</td><td>\$ 7.34</td></tr><tr><td>3/8"</td><td>.950</td><td>3/8"</td><td>.300</td><td>CHS-90-06-06</td><td>\$ 8.57</td></tr><tr><td>3/8"</td><td>.950</td><td>1/2"</td><td>.408</td><td>CHS-90-06-08</td><td>\$ 9.02</td></tr><tr><td>1/2"</td><td>1.200</td><td>1/2"</td><td>.408</td><td>CHS-90-08-08</td><td>\$17.69</td></tr></table>	Hose Socket “C” Series 90°					PART NO.	PRICE	NOMINAL BODY SIZE	BODY DIAMETER	HOSE SIZE	BORE “A”			1/4"	.704	1/4"	.238	CHS-90-04-04	\$ 7.16	1/4"	.704	3/8"	.300	CHS-90-04-06	\$ 7.34	3/8"	.950	3/8"	.300	CHS-90-06-06	\$ 8.57	3/8"	.950	1/2"	.408	CHS-90-06-08	\$ 9.02	1/2"	1.200	1/2"	.408	CHS-90-08-08	\$17.69
Hose Socket “C” Series 90°					PART NO.	PRICE																																						
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1/2"	1.200	1/2"	.408	CHS-90-08-08	\$17.69																																							
	<table><tr><th colspan="3">“C” Series Seals</th><th>PART NO.</th><th>PRICE</th></tr><tr><th>NOMINAL BODY SIZE</th><td></td><td></td><td></td><td></td></tr><tr><td>1/4"</td><td></td><td></td><td>CVS-04</td><td>\$ 2.70/10</td></tr><tr><td>3/8"</td><td></td><td></td><td>CVS-06</td><td>\$ 3.78/10</td></tr><tr><td>1/2"</td><td></td><td></td><td>CVS-08</td><td>\$ 10.80/10</td></tr></table>	“C” Series Seals			PART NO.	PRICE	NOMINAL BODY SIZE					1/4"			CVS-04	\$ 2.70/10	3/8"			CVS-06	\$ 3.78/10	1/2"			CVS-08	\$ 10.80/10																		
“C” Series Seals			PART NO.	PRICE																																								
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PC-PRICE-24-0717

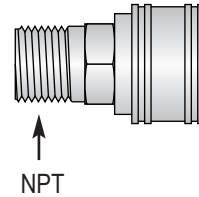
“S” Series Couplings (1 = 1/16")

Male Plug



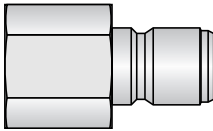
SIZE	PART NO.	PRICE
1/4"	MP-04	\$ 1.94
3/8"	MP-06	\$ 2.27
1/2"	MP-08	\$ 4.09
3/4"	MP-12	\$ 7.29
1"	MP-16	\$ 21.47
1-1/4"	MP-20	\$ 31.02
1-1/2"	MP-24	\$ 54.24
2"	MP-32	\$ 74.35

Male Socket



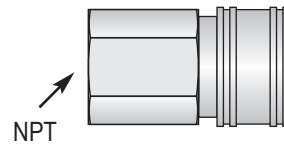
SIZE	PART NO.	PRICE
1/4"	MS-04	\$ 5.42
3/8"	MS-06	\$ 6.70
1/2"	MS-08	\$ 9.63
3/4"	MS-12	\$ 14.39
1"	MS-16	\$ 20.71

Female Plug



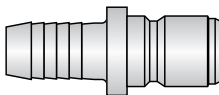
SIZE	PART NO.	PRICE
1/4"	FP-04	\$ 1.94
3/8"	FP-06	\$ 2.27
1/2"	FP-08	\$ 4.09
3/4"	FP-12	\$ 7.29
1"	FP-16	\$ 15.53
1-1/4"	FP-20	\$ 27.08
1-1/2"	FP-24	\$ 53.73
2"	FP-32	\$ 59.79

Female Socket



SIZE	PART NO.	PRICE
1/4"	FS-04	\$ 5.42
3/8"	FS-06	\$ 6.70
1/2"	FS-08	\$ 9.63
3/4"	FS-12	\$ 17.18
1"	FS-16	\$ 28.57
1-1/4"	FS-20	\$ 55.90
1-1/2"	FS-24	\$ 94.43
2"	FS-32	\$ 145.85

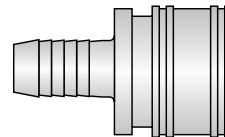
Hose Plug



SIZE	PART NO.	PRICE
1/4"	*HP-04	\$ 3.33
3/8"	*HP-06	\$ 4.09
1/2"	*HP-08	\$ 7.79
3/4"	*HP-12	\$ 10.19
1"	*HP-16	\$ 17.26

*Use with Hose Clamps

Hose Socket



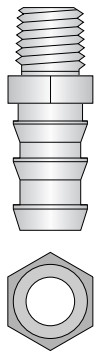
SIZE	PART NO.	PRICE
1/4"	*HS-04	\$ 8.06
3/8"	*HS-06	\$ 8.89
1/2"	*HS-08	\$ 14.44
3/4"	*HS-12	\$ 17.26

*Use with Hose Clamps

PC-PRICE-25-0204

Hose Fittings (1 = 1/16")

(Push-Loc) Hose to Male Pipe Fitting (No Clamps Required)



Pipe Thread (in NPT)

Hose Barb
(to fit inside diameter of
hose)

Flow Area (Sq. In.)

THREAD SIZE	HOSE (INSIDE DIAMETER)	HOLE DIAMETER
1/8"	1/4"	.190"
1/8"	*3/8"	.275"
1/4"	1/4"	.190"
1/4"	*3/8"	.285"
1/4"	*1/2"	.346"
3/8"	1/4"	.190"
3/8"	3/8"	.285"
3/8"	*1/2"	.410"
1/2"	1/2"	.410"
1/2"	*3/4"	.564"
3/4"	3/4"	.660"
1"	1"	.813"

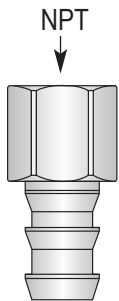
PART NO.	PRICE
PLMP-04-02 . . .	\$1.13
*PLMP-06-02 . . .	\$1.93
PLMP-04-04 . . .	\$1.35
*PLMP-06-04 . . .	\$1.49
*PLMP-08-04 . . .	\$2.21
PLMP-04-06 . . .	\$1.78
PLMP-06-06 . . .	\$1.73
*PLMP-08-06 . . .	\$1.93
PLMP-08-08 . . .	\$3.24
*PLMP-12-08 . . .	\$4.45
PLMP-12-12 . . .	\$4.64
PLMP-16-16 . . .	\$12.42

* PL MP - 06 - 04

Thread -02=1/8" - 04=1/4" - 06=3/8" - 08=1/2" - 12=3/4" - 16 = 1"
Hose - 04=1/4" - 06=3/8" - 08=1/2" - 12 = 3/4" - 16 = 1"
MP=Male Pipe
FP=Female Pipe
Push-Loc (No hose clamp required)
High Flow (preferred size)

*Indicates preferred sizes for best flow rate

(Push-Loc) Hose to Female Pipe



NPT

THREAD SIZE	HOSE (INSIDE DIAMETER)	HOLE DIAMETER
1/8"	1/4"	.19"
1/8"	3/8"	.28"
1/4"	1/4"	.19"
1/4"	3/8"	.28"
1/4"	1/2"	.41"
3/8"	3/8"	.28"
3/8"	1/2"	.41"
1/2"	1/2"	.41"
3/4"	3/4"	.67"

PART NO.	PRICE
PLFP-04-02 . . .	\$ 1.78
*PLFP-06-02 . . .	\$ 2.93
PLFP-04-04 . . .	\$ 1.82
*PLFP-06-04 . . .	\$ 1.85
*PLFP-08-04 . . .	\$ 2.72
PLFP-06-06 . . .	\$ 2.32
*PLFP-08-06 . . .	\$ 2.59
PLFP-08-08 . . .	\$ 3.17
PLFP-12-12 . . .	\$ 6.25

*Indicates preferred sizes for best flow rate

(Barbed) Male to Pipe Fittings (Use with Hose Clamp)



NPT

THREAD SIZE	HOSE (INSIDE DIAMETER)	HOLE DIAMETER
3/4"	1"	.750"
1"	1"	.875"
1"	1-1/4"	.940"
1-1/4"	1-1/4"	.980"
1-1/4"	1-1/2"	1.280"
1-1/2"	1-1/2"	1.214"
1-1/2"	2"	1.728"
2"	2"	1.824"

PART NO.	PRICE
*HCMB-16-12 . . .	\$ 3.31
HCMB-16-16 . . .	\$ 7.00
*HCMB-20-16 . . .	\$ 27.20
HCMB-20-20 . . .	\$ 24.01
HCMB-24-20 . . .	\$ 34.94
HCMB-24-24 . . .	\$ 33.01
HCMB-32-24 . . .	\$ 64.60
HCMB-32-32 . . .	\$ 38.82

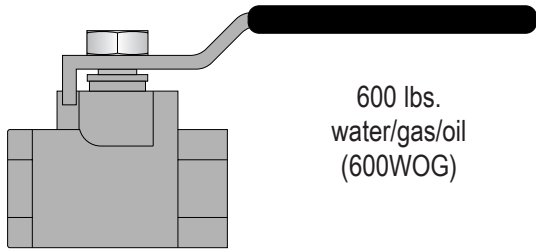
*Indicates preferred sizes for best flow rate

Due to fluctuating brass prices, please check for current prices.

PC-PRICE-25-0204

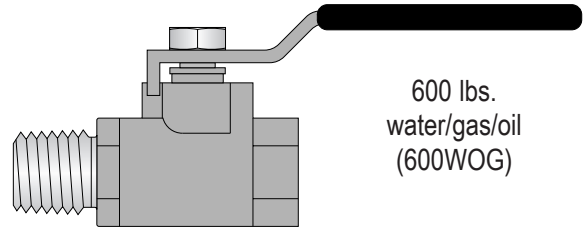
Valves, Bushings, Plugs and Coupling (1 = 1/16")

Brass Ball Valves Female/Female



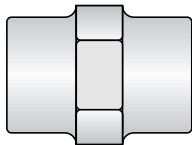
SIZE	PART NO.	PRICE
1/4"	BVFF-04	\$ 10.73
3/8"	BVFF-06	\$ 10.21
1/2"	BVFF-08	\$ 11.36
3/4"	BVFF-12	\$ 16.78
1"	BVFF-16	\$ 20.73
1-1/4"	BVFF-20	\$ 81.13
1-1/2"	BVFF-24	\$ 69.02
2"	BVFF-32	\$154.00

Brass Ball Valves Male/Female



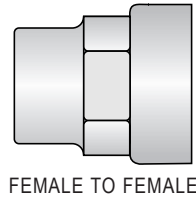
SIZE	PART NO.	PRICE
1/8"	BVMF-02	\$ 14.78
1/4"	BVMF-04	\$ 16.30
3/8"	BVMF-06	\$ 15.60
1/2"	BVMF-08	\$ 14.87
3/4"	BVMF-12	\$ 32.30
1"	BVMF-16	\$ 34.22

Female Couplings



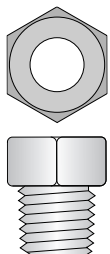
SIZE	PART NO.	PRICE
1/8"	FC-02	\$ 3.20
1/4"	FC-04	\$ 2.45
3/8"	FC-06	\$ 3.02
1/2"	FC-08	\$ 4.39
3/4"	FC-12	\$ 5.27
1"	FC-16	\$ 8.01
1-1/4"	FC-20	\$ 12.51
1-1/2"	FC-24	\$ 17.01
2"	FC-32	\$ 21.78

Reducer Couplings



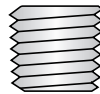
SIZE	PART NO.	PRICE
1"x1/2"	RC-16-08	\$ 9.04
1"x3/4"	RC-16-12	\$ 9.04
1-1/4"x1"	RC-20-16	\$ 14.58
1-1/2"x1"	RC-24-16	\$ 14.34
1-1/2"x1-1/4"	RC-24-20	\$ 14.34
2"x1"	RC-32-16	\$ 24.00
2"x1-1/4"	RC-32-20	\$ 21.29
2"x1-1/2"	RC-32-24	\$ 21.29

Reducer Bushings Male/Female



SIZE	PART NO.	PRICE
1/4" x 1/8"	RB-04-02	\$ 1.08
3/8" x 1/8"	RB-06-02	\$ 1.71
3/8" x 1/4"	RB-06-04	\$ 1.53
1/2" x 1/8"	RB-08-02	\$ 2.65
1/2" x 1/4"	RB-08-04	\$ 2.25
1/2" x 3/8"	RB-08-06	\$ 4.16
3/4" x 1/8"	RB-12-02	\$ 4.16
3/4" x 1/4"	RB-12-04	\$ 4.46
3/4" x 3/8"	RB-12-06	\$ 3.78
3/4" x 1/2"	RB-12-08	\$ 3.74
1" x 1/2"	RB-16-08	\$ 5.27
1" x 3/4"	RB-16-12	\$ 6.05
1-1/4" x 3/4"	RB-20-12	\$ 8.98
1-1/4" x 1"	RB-20-16	\$ 8.98
1-1/2" x 3/4"	RB-24-12	\$ 14.04
1-1/2" x 1"	RB-24-16	\$ 11.48
1-1/2" x 1-1/4"	RB-24-20	\$ 11.48

Brass Plugs

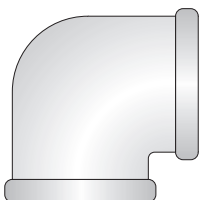


SIZE	PART NO.	PRICE
1/16" HEX	BP-01	\$.32
1/8" HEX	BP-02	\$.29
1/4" HEX	BP-04	\$.38
3/8" HEX	BP-06	\$.63
1/2" HEX	BP-08	\$ 1.19
3/4" SQ	BP-12	\$ 1.82
1" SQ	BP-16	\$ 3.80
1-1/4" SQ	BP-20	\$ 7.22
1-1/2" SQ	BP-24	\$ 9.49
2" SQ	BP-32	\$ 13.32

PC-PRICE-25-0204

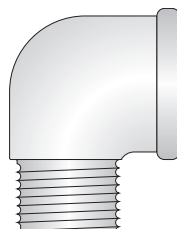
Brass Elbows (1 = 1/16")

90° Elbow - Brass



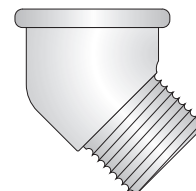
SIZE	PART NO.	PRICE
1/8"	EL-90-02	\$ 2.32
1/4"	EL-90-04	\$ 3.33
3/8"	EL-90-06	\$ 5.26
1/2"	EL-90-08	\$ 6.89
3/4"	EL-90-12	\$ 6.44
1"	EL-90-16	\$ 10.06
1-1/4"	EL-90-20	\$ 15.98
1-1/2"	EL-90-24	\$ 16.80
2"	EL-90-32	\$ 25.27

90° Street Elbow - Brass



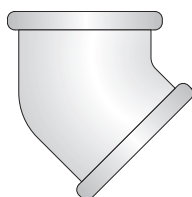
SIZE	PART NO.	PRICE
1/8"	SE-90-02	\$ 1.24
1/4"	SE-90-04	\$ 4.68
3/8"	SE-90-06	\$ 6.48
1/2"	SE-90-08	\$ 6.35
3/4"	SE-90-12	\$ 10.33
1"	SE-90-16	\$ 13.77
1-1/4"	SE-90-20	\$ 20.34
1-1/2"	SE-90-24	\$ 21.34
2"	SE-90-32	\$ 36.93

Street 45° Elbow - Brass



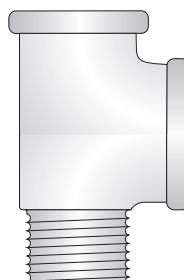
SIZE	PART NO.	PRICE
1/8"	SE-45-02	\$ 1.64
1/4"	SE-45-04	\$ 2.74
3/8"	SE-45-06	\$ 4.73
1/2"	SE-45-08	\$ 6.73
3/4"	SE-45-12	\$ 7.27
1"	SE-45-16	\$ 12.04
1-1/4"	SE-45-20	\$ 14.34
1-1/2"	SE-45-24	\$ 19.25
2"	SE-45-32	\$ 32.62

45° Elbow - Brass



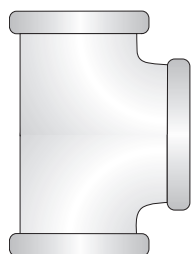
SIZE	PART NO.	PRICE
1/8"	EL-45-02	\$ 4.10
1/4"	EL-45-04	\$ 3.42
3/8"	EL-45-06	\$ 3.44
1/2"	EL-45-08	\$ 4.34
3/4"	EL-45-12	\$ 6.41
1"	EL-45-16	\$ 10.80
1-1/4"	EL-45-20	\$ 17.24
1-1/2"	EL-45-24	\$ 16.80
2"	EL-45-32	\$ 27.80

Street Tee - Brass



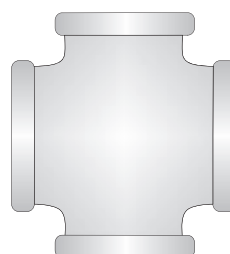
SIZE	PART NO.	PRICE
1/8"	ST-02	\$ 2.63
1/4"	ST-04	\$ 4.86
3/8"	ST-06	\$ 5.80
1/2"	ST-08	\$ 13.73
3/4"	ST-12	\$ 18.59
1"	ST-16	\$ 43.20
1-1/4"	ST-20	\$ 48.48

Tee - Brass



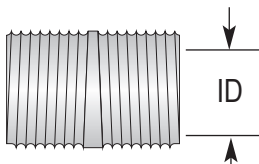
SIZE	PART NO.	PRICE
1/8"	BT-02	\$ 4.43
1/4"	BT-04	\$ 4.43
3/8"	BT-06	\$ 4.43
1/2"	BT-08	\$ 5.56
3/4"	BT-12	\$ 19.49
1"	BT-16	\$ 21.71
1-1/4"	BT-20	\$ 15.53
1-1/2"	BT-24	\$ 21.41
2"	BT-32	\$ 35.00

Cross - Brass



SIZE	PART NO.	PRICE
1/8"	BC-02	\$ 6.34
1/4"	BC-04	\$ 6.34
3/8"	BC-06	\$ 6.34
1/2"	BC-08	\$ 7.70
3/4"	BC-12	\$ 11.12
1"	BC-16	\$ 17.64
1-1/4"	BC-20	\$ 21.49
1-1/2"	BC-24	\$ 27.45
2"	BC-32	\$ 57.20

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Brass Pipe Nipples (1 = 1/16")



	1/8" .296 ID	1/4" .364 ID	3/8" .493 ID	1/2" .622 ID	3/4" .824 ID	1" 1.049 ID	1-1/4" 1.380 ID	1-1/2" 1.610 ID	2" 2.067 ID
CLOSE	BN-02-01 \$.67	BN-04-01 \$ 1.40	BN-06-01 \$ 1.57	BN-08-01 \$ 4.03	BN-12-01 \$ 5.80	BN-16-01 \$ 4.88	BN-20-01 \$ 13.64	BN-24-01 \$ 13.77	BN-32-01 \$ 14.51
2" LONG	BN-02-02 \$ 1.87	BN-04-02 \$ 2.02	BN-06-02 \$ 2.56	BN-08-02 \$ 3.22	BN-12-02 \$ 5.08	BN-16-02 \$ 6.01	BN-20-02 \$ 8.24	BN-24-02 \$ 10.28	BN-32-02 \$ 14.85
3" LONG	BN-02-03 \$ 2.18	BN-04-03 \$ 3.02	BN-06-03 \$ 4.07	BN-08-03 \$ 5.65	BN-12-03 \$ 5.58	BN-16-03 \$ 8.05	BN-20-03 \$ 15.30	BN-24-03 \$ 14.13	BN-32-03 \$ 14.06
4" LONG	BN-02-04 \$ 2.84	BN-04-04 \$ 3.37	BN-06-04 \$ 5.02	BN-08-04 \$ 5.69	BN-12-04 \$ 7.25	BN-16-04 \$ 10.53	BN-20-04 \$ 14.76	BN-24-04 \$ 14.32	BN-32-04 \$ 18.41
5" LONG	BN-02-05 \$ 15.55	BN-04-05 \$ 4.19	BN-06-05 \$ 4.91	BN-08-05 \$ 6.80	BN-12-05 \$ 8.68	BN-16-05 \$ 12.94	BN-20-05 \$ 18.00	BN-24-05 \$ 17.79	BN-32-05 \$ 22.75
6" LONG	BN-02-06 \$ 5.69	BN-04-06 \$ 5.11	BN-06-06 \$ 5.76	BN-08-06 \$ 8.26	BN-12-06 \$ 10.58	BN-16-06 \$ 7.34	BN-20-06 \$ 17.23	BN-24-06 \$ 21.14	BN-32-06 \$ 27.17

Due to fluctuating brass prices, please check for current prices.

Hose and Hose Clamps

Push-Loc Hose (No hose clamp required)

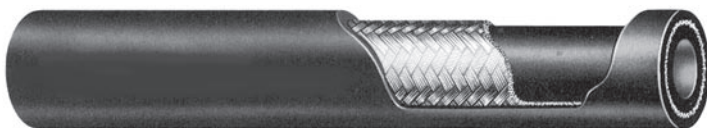


HOSE (ID)	PART NO.	PRICE PER FOOT
1/4"	PLH-4-*(R or B)	\$ 1.58
3/8"	PLH-6-*(R or B)	\$ 1.96
1/2"	PLH-8-*(R or B)	\$ 2.29
3/4"	PLH-12-*(R or B)	\$ 3.94
1"	PLH-16-*(R or B)	\$ 12.68

*Sold in 10'
increments

*** SPECIFY COLOR:**
BLUE = B RED = R
MAXIMUM PRESSURE 150 P.S.I.
MAXIMUM TEMPERATURE 190° F

General Purpose Hose (Use with hose clamp)

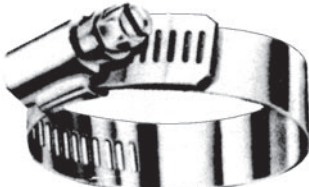


*Sold in 10' increments

HOSE (ID)	PART NO.	PRICE PER FOOT
1-1/4"	GPH-20-*	\$ 5.02
1-1/2"	GPH-24-*	\$ 6.28
2"	GPH-32*	\$ 9.86

*** SPECIFY COLOR:** BLACK = BLK RED = R
MAXIMUM PRESSURE 150 P.S.I.
MAXIMUM TEMPERATURE 190° F

Stainless Hose Clamps



DIAMETER RANGE	FOR	PART NO.	PRICE EACH
3/8" - 7/8"		SHC-6-14	\$ 1.78
7/16" - 1"		SHC-7-16	\$ 1.78
9/16" - 1-1/16"		SHC-9-17	\$ 1.78
11/16" - 1-1/2"		SHC-11-24	\$ 1.78
1-1/16" - 2"		SHC-17-32	\$ 1.85
1-9/16" - 2-1/2"		SHC-25-40	\$ 1.85

PC-PRICE-25-0204



PC-PRICE-24-0717



CITO Products, Inc.
 N8779 County Road X • P.O. Box 90
 Watertown, WI 53094 • USA
 Phone: (920) 261-2606 • E-mail: sales@pulsecooling.com

Visit us at www.pulsecooling.com

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(PC-P-60-A)