ASHCROFT®
Trust the shield.®

1098 & 1100 Siphons

Features

- Dissipates elevated live steam temperature
- Rugged design for direct mounting
- Reduces process temperature to protect attached instruments

Typical Uses

- Chemical and petrochemical
- Oil and gas
- Pulp and paper
- Power

1098
Coil Siphon

1100
Pig Tail Siphon

Specifications	
Process Conn:	1098: ¼ NPT Male, ½ NPT Male 1100: ¼ NPT Male
Instrument Conn:	1098: ¼ NPT Male, ¼ NPT Female,, ½ NPT Male, ½ NPT Female 1100: ¼ NPT Male
Max Allowable Working Pressure:	See page 3 for (MAWP) maximum allowable working pressures

Wetted Components	
1098	Black steel, brass, 106 seamless steel, 213 seamless steel & 316 seamless Stainless steel
1100	Black steel, brass, Stainless steel

Key Benefits

- Protects instrument from elevated temperatures
- Stem mount instrument to process

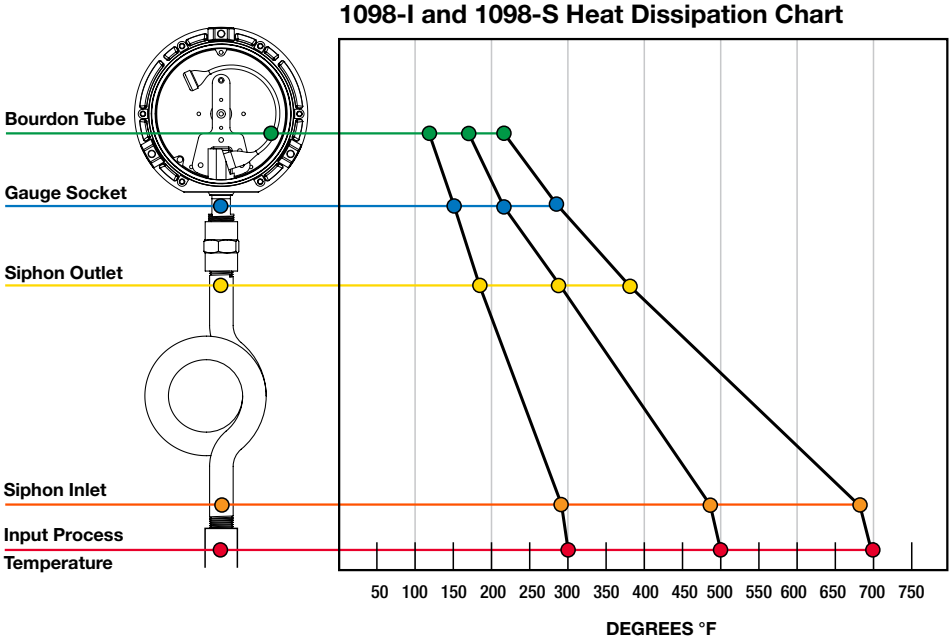
Contact Us
1 800-328-8258
ashcroft.com

1098 & 1100 Siphons

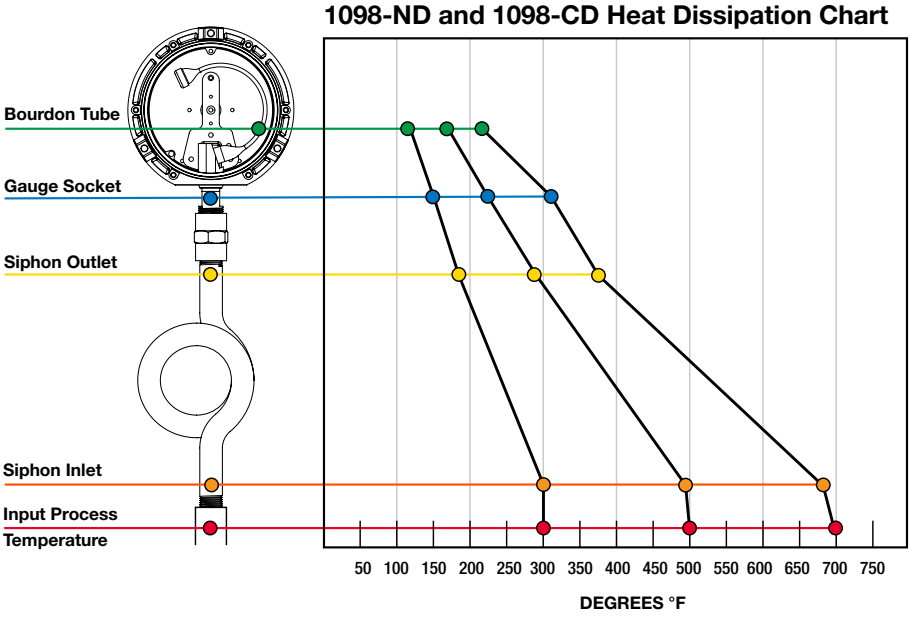
Siphon Heat Dissipation Charts

These graphs represents the heat dissipation based on results of a specific laboratory test. These results may vary in the field based on multiple factors such as ambient temperature, type of process media and/or velocity. This data set is to be used as a reference point only. These test results are based on an ambient temperature of 68 °F.

1098-I and 1098-S Heat Dissipation Chart



1098-ND and 1098-CD Heat Dissipation Chart



ASHCROFT®
Trust the shield.®

1098 & 1100 Siphons

Ordering Code	Example:	02	1098	S	25	X5G
Process Connection (process and instrument connection size must be the same size)						
02 - ¼ NPT Male		02				
04 - ½ NPT Male (1098 only)						
Model						
1098 Coil pipe			1098			
1100 Pig tail						

Material	MAWP	Pipe Schedule
I - Black steel pipe (1098 6½″ or 1100 6⅝″ long)	500 psi at 400 °F (204 °C)	40
IL - Black steel pipe 8″ long (1100 only)	500 psi at 400 °F (204 °C)	40
IN - Black steel pipe angle (1100 only)	500 psi at 400 °F (204 °C)	40
B - Brass (1098 6½″ or 1100 5⅝″ long)	250 psi at 400 °F (204 °C)	40
BL - Brass 8″ (1100 only)	250 psi at 400 °F (204 °C)	40
A - Stainless steel (1100 only)	500 psi at 400 °F (204 °C)	40
S - ASTM A-106 seamless steel, Grade A (1098 only)	338 psi at 1,000 °F to 3,360 psi from -20 °F to 400 °F (204 °C)	80
SD - ASTM A-106 seamless steel, Grade A (1098 only w/½ NPT)	420 psi at 1,000 °F to 3,740 psi from -20 °F to 400 °F (204 °C)	160
CD - ASTM A-213 seamless steel, Grade T 22 (1098 only w/½ NPT)	1,048 psi at 1,200 °F to 9,550 psi from -20 °F to 400 °F (204 °C)	XXS
NS - Seamless Stainless steel, Type 316 (1098 only w/½ NPT)	294 psi at 1,500 °F to 3,981 psi from -20 °F to 100 °F (38 °C)	80
ND - Seamless Stainless steel, Type 316 (1098 only w/½ NPT)	336 psi at 1,500 °F to 5,840 psi from -20 °F to 100 °F (38 °C)	160

Instrument Connection (process and instrument connection size must be the same size)	
02 - ¼ NPT Male	
04 - ½ NPT Male (1098 only)	
25 - ¼ NPT Female	25
50 - ½ NPT Female (1098 only)	
Options (if choosing an option(s) must include an “X”)	X _ _
Tags	
NH - Stainless steel tag wired to valve	
Testing/Certificates	
C3 - Material Traceability per EN 10204 3.1 (ND & NS types only. Not available for female (50) coupling)	
1H - Pneumatic/Hydrostatic testing of assemblies	
Assembly Codes	
FC - Instrument Assembly: Instrument/Valve or Dampener/Siphon	
E9 - Instrument Assembly: Instrument/Pressure limiting valve/Siphon	
F3 - Instrument Assembly: Instrument/Diaphragm Seal/Siphon	
5G - Siphon attached to instrument	5G
Certification (miscellaneous charges not included within model code)	
CD-6 - Typical material certification per EN 10204 2.2	

Contact Us
1 800-328-8258
ashcroft.com

ASHCROFT®
Trust the shield.®

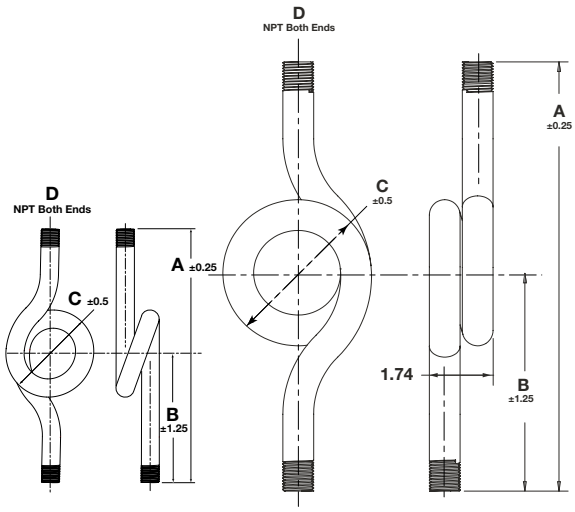
1098 & 1100 Siphons

Dimensions

For reference only, consult Ashcroft for specific dimensional drawings.

1098 Siphon - ¼ NPT

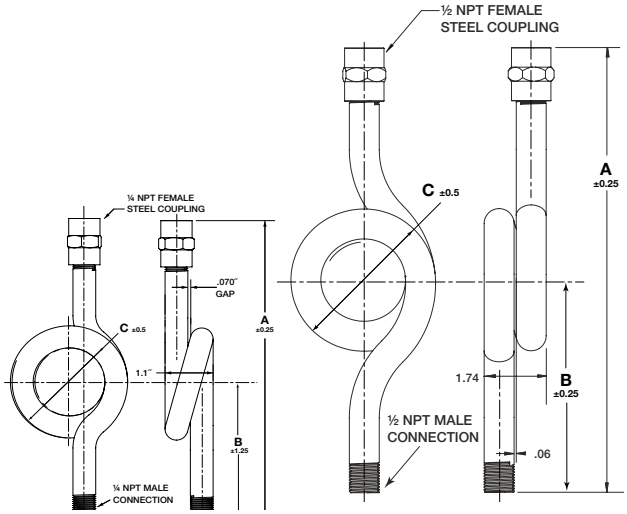
1098 Siphon - ½ NPT



1098	A	B	C	D
1098B	6½	3¼	2½	¼ NPT
1098I	6½	3¼	2½	¼ NPT
1098BT	6½	3¼	2½	¼ NPT
1098S	6½	3¼	2½	¼ NPT
1098S	11½	5¾	3⅞	½ NPT
1098 SD	11½	5¾	3⅞	½ NPT
1098ND	11½	5¾	3⅞	½ NPT
1098CD	11½	5¾	3⅞	½ NPT
1098M	11½	5¾	3⅞	½ NPT
1098NS	11½	5¾	3⅞	½ NPT

1098 Siphon - ¼ NPT Female

1098 Siphon- ½ NPT Female



1098	Instrument Connetion	Process Connection	A	B	C
1098B	¼ NPT Female	¼ NPT Male	7	3¼	2½
1098I	¼ NPT Female	¼ NPT Male	7	3¼	2½
1098BT	¼ NPT Female	¼ NPT Male	7	3¼	2½
1098S	¼ NPT Female	¼ NPT Male	7	3¼	2½
1098S	½ NPT Female	½ NPT Male	12½	5¾	5⅞
1098D	½ NPT Female	½ NPT Male	12½	5¾	5⅞
1098ND	½ NPT Female	½ NPT Male	12½	5¾	5⅞
1098CD	½ NPT Female	½ NPT Male	12½	5¾	5⅞
1098M	½ NPT Female	½ NPT Male	12½	5¾	5⅞
1098NS	½ NPT Female	½ NPT Male	12½	5¾	5⅞

Contact Us
1 800-328-8258
ashcroft.com

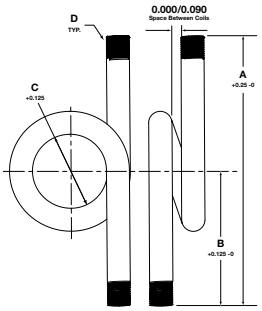
ASHCROFT®
Trust the shield.®

1098 & 1100 Siphons

Dimensions

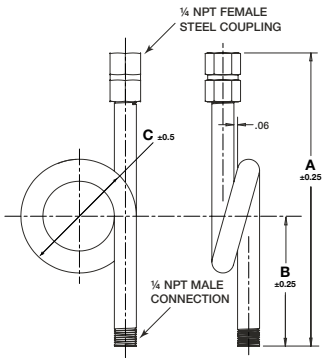
For reference only, consult Ashcroft for specific dimensional drawings.

1100 Siphon - ¼ NPT



1100	A	B	C	D
1100A	6⅝	3⅝16	1⅞	¼ NPT
1100B	5⅝	2¹³⁄16	2 ¼	¼ NPT
1100BL	8¼	4⅛	2⅛	¼ NPT
1100C	5⅝	2¹³⁄16	2 ¼	¼ NPT
1100I	6⅝	3⅝16	1⅞	¼ NPT
1100IL	8¼	4⅛	2⅜	¼ NPT

1100 Siphon - ¼ NPT Female



1100	Instrument Connetion	Process Connection	A	B	C
1100DA	¼ NPT Female	¼ NPT Male	7¼	3¹⁵⁄16	1⅞
1100B	¼ NPT Female	¼ NPT Male	6¼	2¹³⁄16	2¼
1100BL	¼ NPT Female	¼ NPT Male	8⅞	4⅛	2⅛
1100C	¼ NPT Female	¼ NPT Male	6¼	2¹³⁄16	2¼
1100I	¼ NPT Female	¼ NPT Male	7¼	3⅝16	1⅞
1100IL	¼ NPT Female	¼ NPT Male	8⅞	4⅛	2⅜