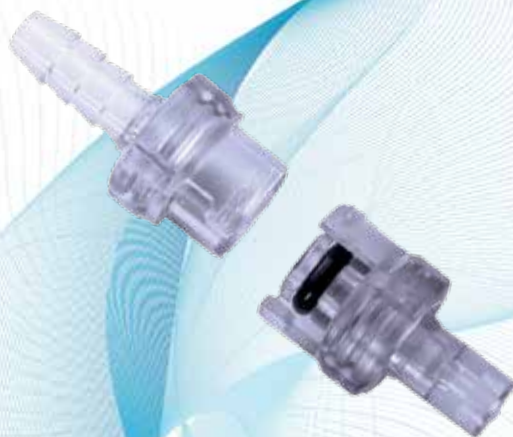


SMC SERIES



The SMC is a twist-to-connect coupling that provides a reliable and more secure alternative to luer-type connections. It also allows for the tubing to rotate freely when connected. This important feature prevents both kinked tubing and accidental disconnection during use.

FEATURES

- Twist to connect
- Free coupling rotation
- Safer; prevents misconnections

BENEFITS

- Prevents accidental disconnects
- Eliminates kinked tubing
- Does not mate to luers

Liquid Flow Rate Information for Couplings

The chart below shows the flow rate for CPC couplings. Each coupling was tested with water at 70°F (21°C). To determine flow rates for specific coupling configurations use the formula at the right.

C_v VALUES FOR SUBMINIATURE COUPLINGS

BODIES	INSERTS	SMM01	SMM02
SMF01		.03	.03
SMF02		.03	.19

$$Q = C_v \sqrt{\frac{\Delta P}{S}}$$

- Q = Flow rate in gallons per minute
 C_v = Average coefficient across various flow rates (see chart)
 ΔP = Pressure drop across coupling (psi)
 S = Specific gravity of liquid

Specifications

PRESSURE:

Vacuum to 100 psi, 6.9 bar

TEMPERATURE:

-40°F to 250°F (-40°C to 121°C)

MATERIALS:

Main components: Polycarbonate, USP Class VI, ADCF

Locking sleeves: Polycarbonate, USP Class VI, ADCF

O-rings: Buna-N, USP Class V, ADCF

COLOR:

Main components: Purple tint

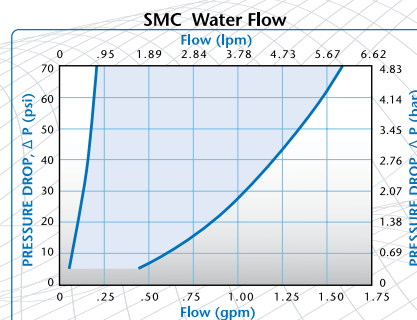
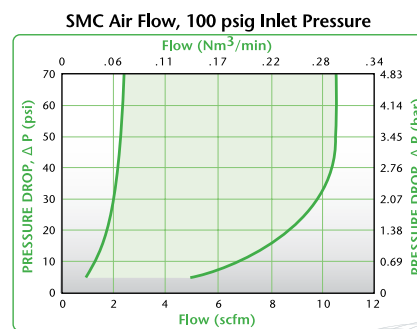
STERILIZATION:

Gamma: Up to 50 kGy irradiation

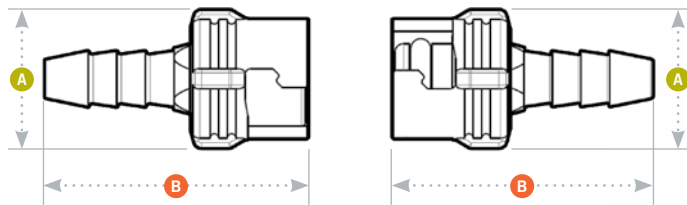
TUBING SIZES:

1/16" to 1/8" ID, 1.6mm to 3.2mm ID

These graphs are intended to give you a general idea of the performance capabilities of each product line. The shaded area of each graph represents the operating range of the product family, i.e., upper and lower values are shown. Therefore, depending on the exact coupling configurations selected, you can reasonably expect values to fall within the shaded area.



SMC SERIES DIMENSIONS



A = Height/Diameter

B = Total Length

Coupling Bodies • POLYCARBONATE



TERMINATION
IN-LINE
HOSE BARB

TUBING SIZE
1/16" ID
1/8" ID

METRIC EQ.
1.6mm ID
3.2mm ID

STRAIGHT THRU
SMF0191
SMF0291

A
.48
.48

B
.75/.90
.90

Coupling Inserts • POLYCARBONATE



TERMINATION
IN-LINE
HOSE BARB

TUBING SIZE
1/16" ID
1/8" ID

METRIC EQ.
1.6mm ID
3.2mm ID

STRAIGHT THRU
SMM0191
SMM0291

A
.48
.48

B
.75
.90

Coupling Set • POLYCARBONATE



TERMINATION
HOSE BARB

TUBING SIZE
1/16" ID
1/8" ID

METRIC EQ.
1.6mm ID
3.2mm ID

STRAIGHT THRU
SMC0191
SMC0291

A
.48
.48

B
1.32
1.61

美国CPC_Colder Products Company快速接头和连接器
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