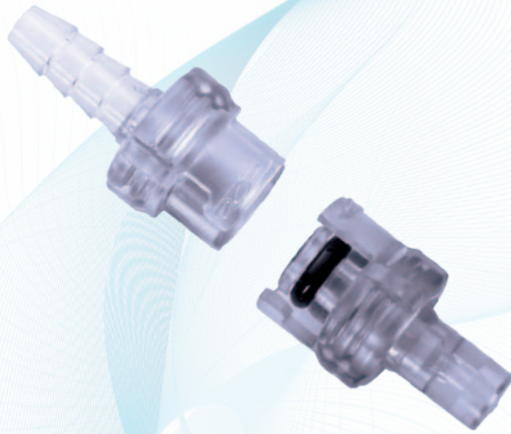


SMC SERIES



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

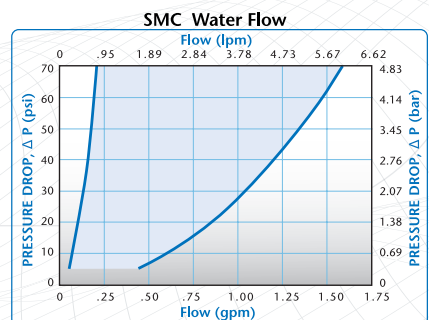
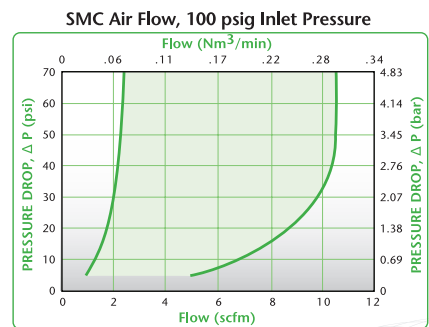
STERILIZATION:

Gamma: Up to 50 kGy irradiation

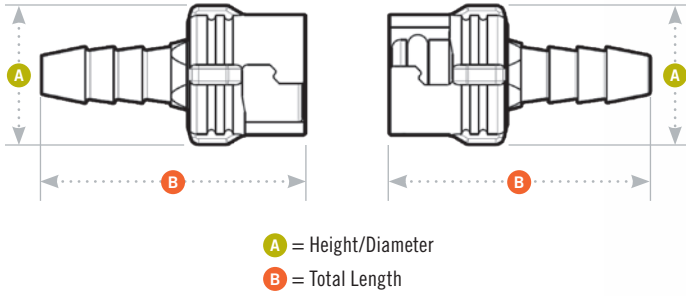
TUBING SIZES:

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



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



Distributed by:



Infiltec GmbH
Alte Rheinhäuser Str. 6-8
67346 Speyer am Rhein

Tel: +49 6232 100332 0
Fax: +49 6232 100332 42
info@infiltec.de
infiltec.de

COLDER PRODUCTS COMPANY
2820 CLEVELAND AVE. N.
ROSEVILLE, MN 55113
U.S.A.

PHONE: +1 651-645-0091
FAX: +1 651-645-5404

info@cpeworldwide.com
cpeworldwide.com

COLDER PRODUCTS COMPANY GMBH
KURHESSENSTR. 15
64546 MÖRFELDEN-WALLDORF
GERMANY

PHONE: +49-6026-9973-0

cpcgmbh@cpeworldwide.com
cpcworldwide.com

COLDER PRODUCTS COMPANY LIMITED
LEVEL 19,
TWO INTERNATIONAL FINANCE CENTRE
8 FINANCE STREET, CENTRAL, HONG KONG

PHONE: +852 2987-5272
FAX: +852-2987-2509

asiapacific@cpeworldwide.com
cpeworldwide.com



CPC WARRANTY STATEMENT: CPC (Colder Products Company) warrants its products against defects in workmanship and materials for a period of 12 months from the date of sale by CPC to its initial customer (regardless of any subsequent sale of the products). This warranty is void if the product is misused, altered, tampered with or is installed or used in a manner that is inconsistent with CPC's written recommendations, specifications and/or instructions, or fails to perform due to normal wear and tear. CPC does not warrant the suitability of the product for any particular application. Determining product application suitability is solely the customer's responsibility. CPC is not liable for special, indirect, incidental, consequential or other damages including, but not limited to, loss, damage, personal injury, or any other expense directly or indirectly arising from the use of or inability to use its products either separately or in combination with other products. **ALL OTHER WARRANTIES EXPRESS OR IMPLIED, WHETHER ORAL, WRITTEN OR IN ANY OTHER FORM, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE EXPRESSLY EXCLUDED.** The sole and exclusive remedy under this warranty is limited, at the option of CPC, to replacement of the defective product or an account credit in the amount of the original selling price. All allegedly defective CPC products must be returned prepaid transportation to CPC, together with information describing the product's application and performance, unless otherwise authorized in writing by CPC.

CPC PATENT STATEMENT: CPC takes pride in its innovative quick disconnect coupling and fittings solutions, many of which have been awarded United States and international patents. CPC has a strong tradition of

leadership in the quick disconnect market, and aggressively pursues and protects its proprietary information and intellectual property. In cases where it is practical and has a benefit to its customers, CPC has licensed its proprietary technology. Please contact CPC to discuss your unique needs.

CPC TRADEMARK STATEMENT: AseptiQuik®, BottleQuik®, BreakAway®, ChemQuik®, DrumQuik®, FitQuik®, IdentiQuik®, Nu-Seal®, SnapQuik®, Steam-Thru®, Softube® are registered trademarks with the U.S. Patent & Trademark Office. All other trademarks or service marks are property of their respective owners. **WARNING:** Due to the wide variety of possible fluid media and operating conditions, unintended consequences may result from the use of this product, all of which are beyond the control of CPC. It is the user's responsibility to carefully determine and test for compatibility for use with their application. All such risks shall be assumed by the buyer.

COPYRIGHT © 2020 COLDER PRODUCTS COMPANY. All rights reserved. Colder Products Company, Colder Products and CPC are all registered trademarks with the US Patent & Trademark Office.

WARNING: Due to the wide variety of possible fluid media and operating conditions, unintended consequences may result from the use of this product, all of which are beyond the control of CPC. It is the user's responsibility to carefully determine and test for compatibility for use with their application. All such risks shall be assumed by the buyer.

CAT2020 4/17