

# BREAKAWAY SERIES CONNECTOR

## Specifications

### PRESSURE:

0 to 20 psi, 1.4 bar

### TEMPERATURE:

0°F to 150°F (-18°C to 66°C)

### MATERIALS:

Main components and valves: Acetal

Valve springs: 316 stainless steel

O-rings: Buna-N

Retention ring: PPS

**COLOR:** White or black

### TUBING SIZES:

1/4" and 3/8" ID, 6.4mm and 9.5mm ID

**WARNING:** Pressure, temperature, chemicals, and operating environment can affect the performance of couplings. It is the customer's responsibility to test the suitability of CPC's products in their own application conditions.

**CPC's BreakAway® Series couplings** provide safe and easy fluid transfer with protection from costly product loss and equipment damage. These high quality, leak-free connectors are designed to disconnect when pull force is applied without depressing a latching mechanism, allowing users to make a clean, fast and easy break at critical moments.

## FEATURES

Reliable break-away design

Automatic dual shutoff valves

Streamlined, flush finish

## BENEFITS

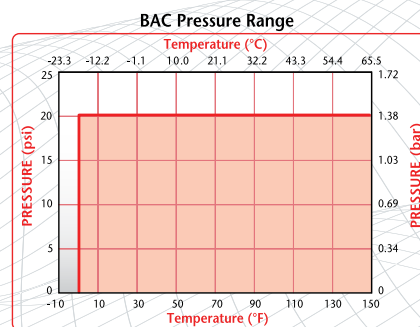
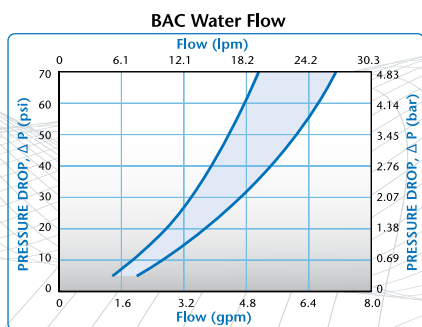
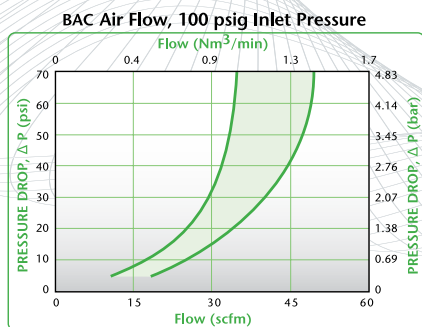
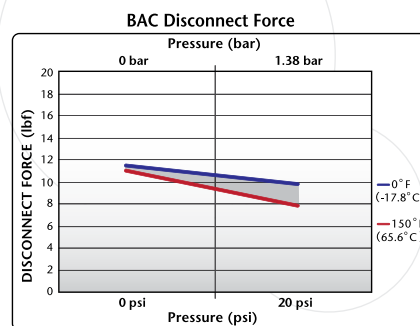
Rapid, automatic disconnection

Safe and clean fluid handling

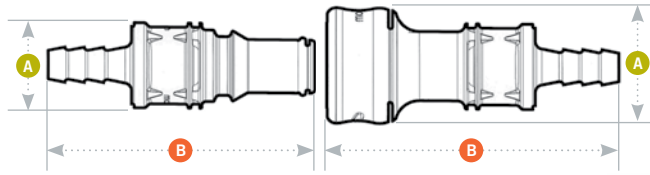
Easy-to-use for maximum productivity

These graphs are intended to give you a general idea of the performance capabilities of each product line. The shaded area of the graphs represent 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.

Force to disconnect is approximately 11 pounds pull force at 0 psi line pressure and 8 pounds pull force at 20 psi. In some applications and with certain types of tubing, a hose clamp may be required.



# BREAKAWAY DIMENSIONS



**A** = Height/Diameter  
**B** = Total Length

## Panel Dimensions

<b>COUPLING BODIES</b>	<b>PANEL OPENING</b>	<b>PANEL THICKNESS MAX.-MIN.</b>
	see drawing	.50-.02



## Coupling Bodies

### • WHITE ACETAL

	<b>TERMINATION IN-LINE HOSE BARB</b>	<b>TUBING SIZE</b>	<b>METRIC EQ.</b>	<b>STRAIGHT THRU</b>	<b>SHUTOFF</b>	<b>A</b>	<b>B</b>
		1/4" ID 3/8" ID	6.4mm ID 9.5mm ID		BACD17004 BACD17006	0.92 0.92	2.29 2.29
	<b>PANEL MOUNT HOSE BARB</b>	1/4" ID 3/8" ID	6.4mm ID 9.5mm ID		BACD16004 BACD16006	0.92 0.92	2.29 2.29

### • BLACK ACETAL

	<b>TERMINATION IN-LINE HOSE BARB</b>	<b>TUBING SIZE</b>	<b>METRIC EQ.</b>	<b>STRAIGHT THRU</b>	<b>SHUTOFF</b>	<b>A</b>	<b>B</b>
		1/4" ID 3/8" ID	6.4mm ID 9.5mm ID		BACD17004MBLK BACD17006MBLK	0.92 0.92	2.29 2.29
	<b>PANEL MOUNT HOSE BARB</b>	1/4" ID 3/8" ID	6.4mm ID 9.5mm ID		BACD16004MBLK BACD16006MBLK	0.92 0.92	2.29 2.29

## Coupling Inserts

### • WHITE ACETAL

	<b>TERMINATION IN-LINE HOSE BARB</b>	<b>TUBING SIZE</b>	<b>METRIC EQ.</b>	<b>STRAIGHT THRU</b>	<b>SHUTOFF</b>	<b>A</b>	<b>B</b>
		1/4" ID 3/8" ID	6.4mm ID 9.5mm ID	BAC22004	BACD22004 BACD22006	0.58/0.69 0.69	1.58/2.10 2.10

### • BLACK ACETAL

	<b>TERMINATION IN-LINE HOSE BARB</b>	<b>TUBING SIZE</b>	<b>METRIC EQ.</b>	<b>STRAIGHT THRU</b>	<b>SHUTOFF</b>	<b>A</b>	<b>B</b>
		1/4" ID 3/8" ID	6.4mm ID 9.5mm ID	BAC22004MBLK	BACD22004MBLK BACD22006MBLK	0.58/0.69 0.69	1.58/2.10 2.10

All measurements are in inches (millimeters) unless otherwise noted. Tubing must meet stated inside and outside diameters. MBLK = molded black material.