

BREAKAWAY SERIES

Actual size

Colder'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

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

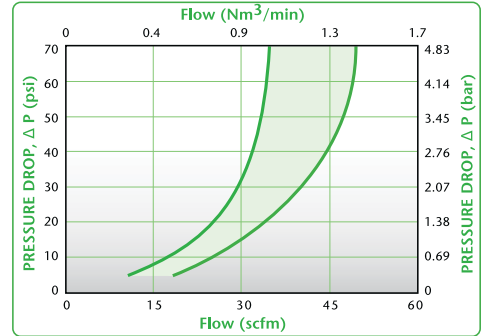
Color: White or black

Tubing Sizes:

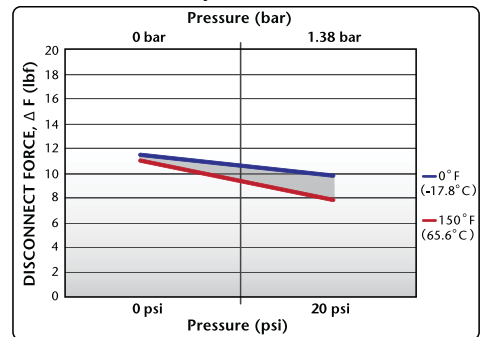
1/4" and 3/8" ID, 6.4mm and 9.5mm ID

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

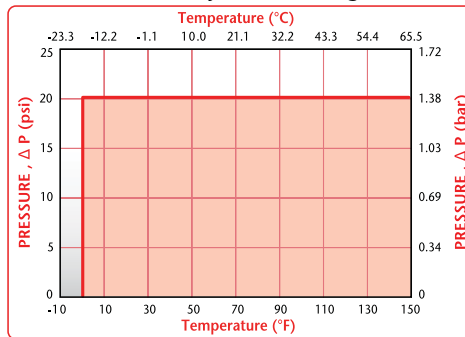
BreakAway Air Flow, 100 psig Inlet Pressure



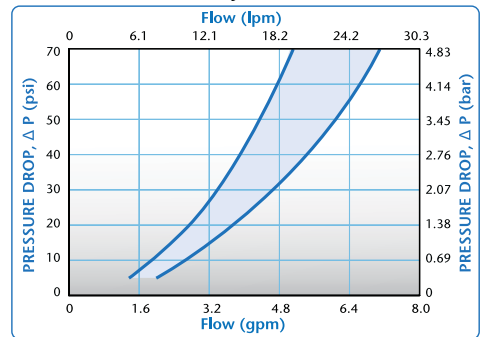
BreakAway Disconnect Force



BreakAway Pressure Range



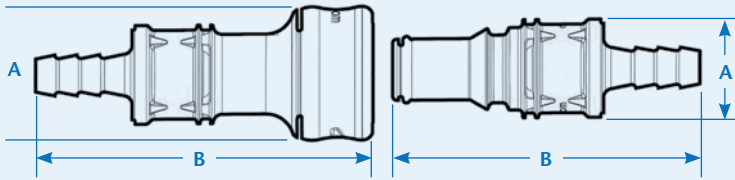
BreakAway Water Flow



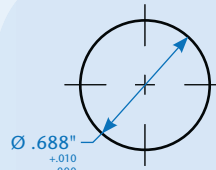
These graphs are intended to give you a general idea of the performance capabilities of each product line. The shaded area of the graphs represent the operating range of the product family, i.e., upper and lower values are shown. Therefore, depending on the exact coupling configurations selected, you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

Product Dimensions



A = Height/Diameter
B = Total Length (including valve)



COUPLING BODIES

PANEL OPENING	MAX. PANEL THICKNESS	MIN. PANEL THICKNESS
see drawing	.50	.02

Coupling Bodies

WHITE ACETAL

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



BLACK ACETAL

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



Coupling Inserts

WHITE ACETAL

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



BLACK ACETAL

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



MBLK = molded black material.



DID YOU KNOW ...

BreakAway™ couplings can prevent costly equipment damage? Rapid disconnection from personal cooling systems, medical therapy devices and other equipment prevents breakage and messy spills.

Visit us at www.colder.com
or call 651-645-0091
to get a free catalog CD or to
find your local distributor.

Call toll free 1-800-444-2474 or visit us at www.colder.com

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