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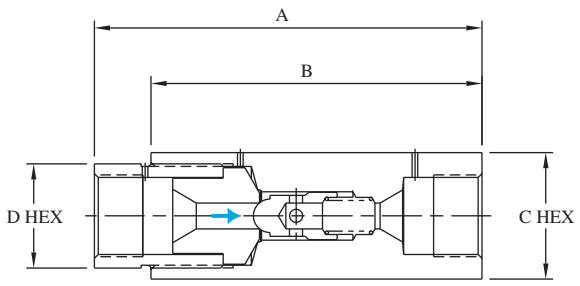
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High Pressure Check Valves



BuTech ball check valves prevent reverse flow where leak-tight shutoff is not necessary. Standard materials of construction are 316 stainless steel with 17-4PH poppet for longer life, and 300 series stainless steel spring.

Note: For 316ss wetted parts, add **-316WP** to the catalog number.

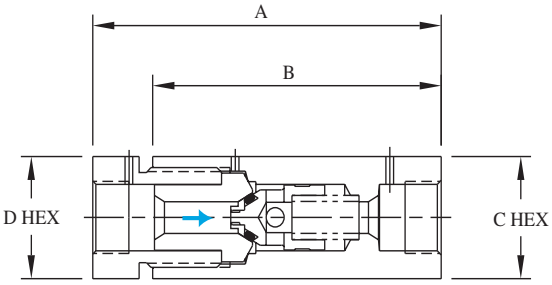
Cracking pressure: 15 PSI (1 bar) approximate
Operating Temperature Range:
-420° to +1200°F
(-251° to +648°C)

BALL CHECK VALVES

Catalog Number	Connection	MAWP	Cv	A	B	C	D
60BC4	1/4" H/P Tube	60,000 PSI 4140 bar	0.15	3.31" (84.1)	2.50" (63.5)	1.12" (28.4)	0.88" (22.2)
60BC6	3/8" H/P Tube	60,000 PSI 4140 bar	0.28	3.75" (95.3)	3.00" (76.2)	1.38" (34.9)	1.12" (28.4)
60BC9	9/16" H/P Tube	60,000 PSI 4140 bar	0.63	4.57" (116.1)	3.38" (85.9)	1.50" (38.1)	1.38" (34.9)
40BC9	9/16" H/P Tube	40,000 PSI 2760 bar	1.00	4.57" (116.1)	3.38" (85.9)	1.50" (38.1)	1.38" (35.1)
30BC16	1" H/P Tube	30,000 PSI 2070 bar	3.40	6.50" (165.1)	5.55" (141.0)	1.75" (44.5)	2.13" (54.1)

To order a valve with a cracking pressure other than the standard 15 PSI, add the cracking pressure to the end of the catalog number. Example: A 60BC9 with 50 PSI cracking pressure would be ordered as **60BC9-50.**

Cracking pressures available up to 100 PSI (7 bar)



BuTech o-ring check valves reliably prevent backflow where leak-tight shutoff for liquids or gases is required. Standard materials of construction are 316 stainless steel with Buna-N o-ring and 300 series stainless steel spring.

Cracking pressure: 15 PSI (1 bar) approximate
Operating Temperature Ranges:

O-ring Material	Operating Temperature Range		Catalog Suffix
Buna-N	-65˚ to +250˚F	(-54˚ to +121˚C)	----
Viton	-40˚ to +500˚F	(-40˚ to +260˚C)	-VA
Teflon	-320˚ to +400˚F	(-195˚ to +204˚C)	-TFE
Kalrez	-20˚ to +550˚F	(-29˚ to +288˚C)	-HT

O-RING CHECK VALVES

Catalog Number	Connection	MAWP	Cv	A	B	C	D
60SC4	1/4" H/P Tube	60,000 PSI 4140 bar	0.15	3.31" (84.1)	2.50" (63.5)	1.12" (28.4)	0.88" (22.2)
60SC6	3/8" H/P Tube	60,000 PSI 4140 bar	0.28	3.75" (95.3)	3.00" (76.2)	1.38" (34.9)	1.12" (28.4)
60SC9	9/16" H/P Tube	60,000 PSI 4140 bar	0.63	4.57" (116.1)	3.38" (85.9)	1.50" (38.1)	1.38" (34.9)
40SC9	9/16" H/P Tube	40,000 PSI 2760 bar	1.00	4.57" (116.1)	3.38" (85.9)	1.50" (38.1)	1.38" (35.1)
30SC16	1" H/P Tube	30,000 PSI 2070 bar	3.40	6.50" (165.1)	5.55" (141.0)	2.13" (54.1)	1.75" (44.5)

To order a valve with a cracking pressure other than the standard 15 PSI, add the cracking pressure to the end of the catalog number. Example: A 60SC4 with 40 PSI cracking pressure would be ordered as **60SC4-40.**

Cracking pressures available up to 100 PSI (7 bar)

All dimensions are for reference only and are subject to change.
Dimensions in parentheses are millimeters (mm)

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