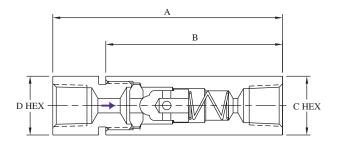
PIPE CHECK VALVES



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 316 stainless steel wetted parts, add **-316WP** to the catalog number.

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

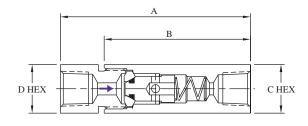
-420° to +1200°F (-251° to +648°C)

BALL CHECK VALVES

Catalog Number	Connection	MAWP	Cv	A	В	С	D
FPBC2	1/8" NPT	15,000 PSI	0.15	2.62"	2.12"	0.63"	0.50"
11002	170 111 1	1030 bar	0.13	(66.5)	(53.8)	(16.0)	(12.7)
FPBC4	1/4" NPT	15,000 PSI	0.63	2.94"	2.26"	0.75"	0.75"
ПВСт	1/4 1111	1030 bar	0.03	(74.7)	(57.4)	(19.1)	(19.1)
FPBC6	3/8" NPT	15,000 PSI	0.80	3.54"	2.62"	1.12"	1.00"
TIBCO	3/0 1111	1030 bar	0.00	(89.9)	(66.5)	(28.4)	(25.4)
FPBC8	1/2" NPT	15,000 PSI	2.30	4.32"	3.50"	1.38"	1.38"
TIBCO	1/2 1111	1030 bar	2.30	(109.7)	(88.9)	(35.1)	(35.1)
FPBC12	3/4" NPT	10,000 PSI	3.40	5.89"	4.75"	1.75"	1.50"
11 DC12	3/4 1111	690 bar	2.40	(149.6)	(120.7)	(44.5)	(38.1)
FPBC16	1" NPT	10,000 PSI	5.20	7.29"	5.75"	2.12"	1.75"
110010	1 1111	690 bar	5.20	(185.2)	(146.1)	(53.8)	(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: An FPBC8 with 50 PSI cracking pressure would be ordered as **FPBC8-50.**

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		Catalog
Material	Operating Temperature Range	Suffix
Buna-N	-65° to $+250^{\circ}$ F $(-54^{\circ}$ to $+121^{\circ}$ C)	
Viton	-40° to $+500^{\circ}$ F (-40° to $+260^{\circ}$ C)	-VA
Teflon	-320° to $+400^{\circ}$ F (-195° to $+204^{\circ}$ C)	-TFE
Kalrez	-20° to $+550^{\circ}$ F (-29° to $+288^{\circ}$ C)	-HT

O-RING CHECK VALVES

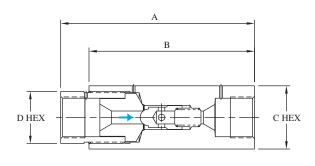
Catalog Number	Connection	MAWP	Cv	A	В	C	D
FPSC2	1/8" NPT	15,000 PSI	0.15	2.62"	2.12"	0.63"	0.50"
11502	1,0 1,1 1	1030 bar	0.15	(66.5)	(53.8)	(16.0)	(12.7)
FPSC4	1/4" NPT	15,000 PSI	0.63	2.94"	2.26"	0.75"	0.75"
11304	1/4 1111	1030 bar	0.03	(74.7)	(57.4)	(19.1)	(19.1)
FPSC6	3/8" NPT	15,000 PSI	0.80	3.54"	2.62"	1.12"	1.00"
11300	3/6 1111	1030 bar	0.00	(89.9)	(66.5)	(28.4)	(25.4)
FPSC8	1/2" NPT	15,000 PSI	2.30	4.32"	3.50"	1.38"	1.38"
11500	1/2 1111	1030 bar	2.50	(109.7)	(88.9)	(35.1)	(35.1)
FPSC12	3/4" NPT	10,000 PSI	3.40	5.89"	4.75"	1.75"	1.50"
113012	3/4 1111	690 bar	2.40	(149.6)	(120.7)	(44.5)	(38.1)
FPSC16	1" NPT	10,000 PSI	5.20	7.29"	5.75"	2.12"	1.75"
113010	1 111 1	690 bar	3.20	(185.2)	(146.1)	(53.8)	(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 FPSC4 with 40 PSI cracking pressure would be ordered as **FPSC4-40**.





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:

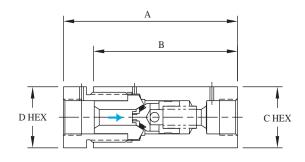
-420° to +1200°F (-251° to +648°C)

BALL CHECK VALVES

Catalog Number	Connection	MAWP	Cv	A	В	C	D
60BC4	1/4" H/P	60,000 PSI	0.15	3.31"	2.50"	1.12"	0.88"
ООВСТ	Tube	4140 bar	0.13	(84.1)	(63.5)	(28.4)	(22.2)
60BC6	3/8" H/P	60,000 PSI	0.28	3.75"	3.00"	1.38"	1.12"
ООВСО	Tube	4140 bar	0.28	(95.3)	(76.2)	(34.9)	(28.4)
60BC9	9/16" H/P	60,000 PSI	0.63	4.57"	3.38"	1.50"	1.38"
ООВСЭ	Tube	4140 bar	0.03	(116.1)	(85.9)	(38.1)	(34.9)
40BC9	9/16" H/P	40,000 PSI	1.00	4.57"	3.38"	1.50"	1.38"
40DC)	Tube	2760 bar	1.00	(116.1)	(85.9)	(38.1)	(35.1)
30BC16	1" H/P	30,000 PSI	3.40	6.50"	5.55"	1.75"	2.13"
30DC10	Tube	2070 bar	5.40	(165.1)	(141.0)	(44.5)	(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	_	Catalog
Material	Operating Temperature Range	Suffix
Buna-N	-65° to $+250^{\circ}$ F $(-54^{\circ}$ to $+121^{\circ}$ C)	
Viton	-40° to $+500^{\circ}$ F $(-40^{\circ}$ to $+260^{\circ}$ C)	-VA
Teflon	-320° to $+400^{\circ}$ F (-195° to $+204^{\circ}$ C)	-TFE
Kalrez	-20° to $+550^{\circ}$ F (-29° to $+288^{\circ}$ C)	-HT

O-RING CHECK VALVES

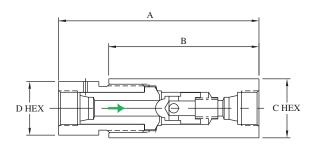
Catalog Number	Connection	MAWP	Cv	A	В	C	D
60SC4	1/4" H/P	60,000 PSI	0.15	3.31"	2.50"	1.12"	0.88"
00504	Tube	4140 bar	0.13	(84.1)	(63.5)	(28.4)	(22.2)
60SC6	3/8" H/P	60,000 PSI	0.28	3.75"	3.00"	1.38"	1.12"
00500	Tube	4140 bar	0.20	(95.3)	(76.2)	(34.9)	(28.4)
60SC9	9/16" H/P	60,000 PSI	0.63	4.57"	3.38"	1.50"	1.38"
00507	Tube	4140 bar	0.03	(116.1)	(85.9)	(38.1)	(34.9)
40SC9	9/16" H/P	40,000 PSI	1.00	4.57"	3.38"	1.50"	1.38"
40507	Tube	2760 bar	1.00	(116.1)	(85.9)	(38.1)	(35.1)
30SC16	1" H/P	30,000 PSI	3.40	6.50"	5.55"	2.13"	1.75"
305010	Tube	2070 bar	5.10	(165.1)	(141.0)	(54.1)	(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.**





Low 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 316 stainless steel wetted parts, add **-316WP**

to the catalog number.

Cracking pressure: 15 PSI (1 bar) approximate

Operating Temperature Range:

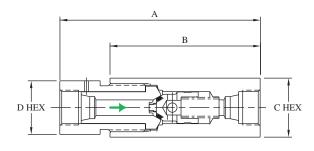
-420° to +1200°F (-251° to +648°C)

BALL CHECK VALVES

Catalog Number	Connection	MAWP	Cv	A	В	C	D
LPBC2	1/8" L/P	15,000 PSI	0.15	2.38"	1.88"	0.50"	0.62"
El BC2	Tube	1030 bar	0.15	(60.5)	(47.8)	(12.7)	(15.7)
LPBC4	1/4" SL/P	11,500 PSI	0.63	3.24"	2.62"	0.75"	0.81"
LI BC+	Tube	790 bar	0.03	(82.3)	(66.5)	(19.1)	(20.6)
LPBC6	3/8" SL/P	7,500 PSI	1.70	4.44"	3.50"	1.38"	1.38"
Libco	Tube	520 bar	1.70	(112.8)	(88.9)	(35.1)	(35.1)
LPBC8	1/2" L/P	5,500 PSI	3.40	4.67"	3.50"	1.38"	1.38"
Li beo	Tube	380 bar	5.40	(118.6)	(88.9)	(35.1)	(35.1)

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 LPBC8 with 50 PSI cracking pressure would be ordered as **LPBC8-50**.

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		Catalog
Material	Operating Temperature Range	Suffix
Buna-N	-65° to $+250^{\circ}$ F (-54° to +121°C)	
Viton	-40° to $+500^{\circ}$ F (-40° to $+260^{\circ}$ C)	-VA
Teflon	-320° to $+400^{\circ}$ F (-195° to $+204^{\circ}$ C)	-TFE
Kalrez	-20° to $+550^{\circ}$ F (-29° to $+288^{\circ}$ C)	-HT

O-RING CHECK VALVES

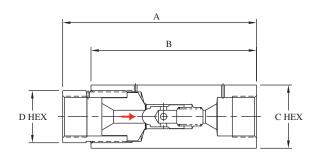
Catalog Number	Connection	MAWP	Cv	A	В	C	D
LPSC2	1/8" L/P	15,000 PSI	0.15	2.38"	1.88"	0.50"	0.62"
LPSC2	Tube	1030 bar	0.13	(60.5)	(47.8)	(12.7)	(15.7)
LPSC4	1/4" SL/P	11,500 PSI	0.63	3.31"	2.62"	0.75"	0.81"
LF3C4	Tube	790 bar	0.03	(84.1)	(66.5)	(19.1)	(20.6)
LPSC6	3/8" SL/P	7,500 PSI	1.70	4.44"	3.50"	1.38"	1.38"
LFSCO	Tube	520 bar	1.70	(112.8)	(88.9)	(35.1)	(35.1)
LPSC8	1/2" L/P	5,500 PSI	3.40	4.67"	3.50"	1.38"	1.38"
LFSCo	Tube	380 bar	3.40	(118.6)	(88.9)	(35.1)	(35.1)

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 LPSC4 with 40 PSI cracking pressure would be ordered as **LPSC4-40**.





MEDIUM 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:

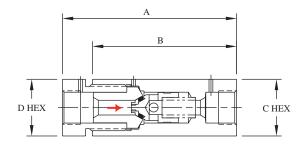
-420° to +1200°F (-251° to +648°C)

BALL CHECK VALVES

Catalog Number	Connection	MAWP	Cv	A	В	C	D
20BC4	1/4" M/P	20,000 PSI	0.25	2.93"	2.50"	1.00"	0.88"
2000	Tube	1380 bar	0.23	(74.4)	(63.5)	(25.4)	(22.4)
20BC6	3/8" M/P	20,000 PSI	0.80	3.13"	2.62"	1.12"	0.88"
20000	Tube	1380 bar	0.00	(79.5)	(66.5)	(28.4)	(22.4)
20BC9	9/16" M/P	20,000 PSI	2.30	4.22"	3.50"	1.38"	1.38"
2000	Tube	1380 bar	2.50	(107.2)	(88.9)	(35.1)	(35.1)
20BC12	3/4" M/P	20,000 PSI	3.40	5.94"	4.75"	1.75"	1.38"
200012	Tube	1380 bar	2.40	(150.9)	(120.7)	(44.5)	(35.1)
20BC16	1" M/P	20,000 PSI	5.20	6.50"	5.55"	2.12"	1.75"
200010	Tube	1380 bar	5.20	(165.1)	(141.0)	(53.8)	(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 20BC9 with 50 PSI cracking pressure would be ordered as **20BC9-50.**

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		Catalog
Material	Operating Temperature Range	Suffix
Buna-N	-65° to $+250^{\circ}$ F $(-54^{\circ}$ to $+121^{\circ}$ C)	
Viton	-40° to $+500^{\circ}$ F (-40° to $+260^{\circ}$ C)	-VA
Teflon	-320° to $+400^{\circ}$ F (-195° to $+204^{\circ}$ C)	-TFE
Kalrez	-20° to $+550^{\circ}$ F (-29° to $+288^{\circ}$ C)	-HT

O-RING CHECK VALVES

C-4-1							
Catalog Number	Connection	MAWP	Cv	A	В	C	D
20SC4	1/4" M/P	20,000 PSI	0.25	2.94"	2.50"	1.00"	0.88"
20504	Tube	1380 bar	0.23	(74.7)	(63.5)	(25.4)	(22.4)
20SC6	3/8" M/P	20,000 PSI	0.80	3.12"	2.62"	1.12"	0.88"
20300	Tube	1380 bar	0.80	(79.2)	(66.5)	(28.4)	(22.4)
20SC9	9/16" M/P	20,000 PSI	2.30	4.23"	3.50"	1.38"	1.38"
20507	Tube	1380 bar	2.30	(107.4)	(88.9)	(35.1)	(35.1)
20SC12	3/4" M/P	20,000 PSI	3.40	5.89"	4.75"	1.75"	1.38"
205C12	Tube	1380 bar	3.40	(149.6)	(120.7)	(44.5)	(35.1)
20SC16	1" M/P	20,000 PSI	7.40	6.50"	5.55"	2.12"	1.75"
203010	Tube	1380 bar	7.40	(165.1)	(141.0)	(53.8)	(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 20SC4 with 40 PSI cracking pressure would be ordered as **20SC4-40**.



