

Parker
Instrumentation Check Valves, "C" Series



- 6000 psi at 115°F
 - Cracking pressure: 1 psi
 - Max. temp.: 400°F
- Designed for unidirectional flow control. Custom-molded seat helps prevent blowouts. Fluorocarbon back-stopped poppet reduces spring stress. Valves offer heat code traceability for material certification. FNPT connections.

Size	Flow gpm @ 60°F w/1000 psig Inlet Press.	L	Item No.
1/4"	2.4	2 1/32 in	2KLD2
3/8"	7.1	3 in	2KLD3
1/2"	11.2	3 3/16 in	2KLD4

Instrumentation Plug Valves



- Max. pressure: 3000 psig CWP
 - Temp. range: -10° to 450°F
- 1/4-turn operation, compact, and blowout-resistant seat allows forward flow throttling. Handle indicates flow direction. Pressure

rating is reduced to 150 psig when flow is opposite to the indicated direction. Fluorocarbon seats and seals. Compression connections. Meet ASTM A479 Type 316, except Brass meets ASTM B 16 Alloy C36000.



A-LOK 1RB7

Tube Size	Cv	Overall Length	316 Stainless Steel		Brass	
			A-LOK(R) Item No.	CPI(R) Item No.	A-LOK(R) Item No.	CPI(R) Item No.
1/4 in	1.24	2 9/50 in	1RB87	1RB1	1RB4	1RB7
3/8 in	3.19	2 33/50 in	1RB88	1RB2	1RB5	1RB8
1/2 in	3.19	2 22/25 in	1RB89	1RB3	—	1RB9

Instrumentation Needle Valves



STAINLESS STEEL, GLOBE-STYLE
■ Max. pressure: 6000 psi
A self-centering nonrotating spindle tip provides bubble-tight shutoff; backstop spindle prevents blowout and minimizes atmospheric contamination. PTFE gland packing.

Brass—Packing above the stem thread (PAT) provides bubble-tight shutoff. Cold-formed body threads. Strain-hardened stem threads. PTFE seals.

- Max. pressure: 3000 psig CWP
- 316 STAINLESS STEEL, HIGH-PURITY
- Max. pressure: 6000 psig CWP

Stem packing below power thread (PBT) prevents stem thread contamination and potential lubricant washout. 2-pc., nonrotating stem prevents stem-to-seat galling. PTFE seals. Meets ASTM A 182 Type F316.



4EUJ9



2KLC8



1RAZ4

GENERAL-PURPOSE

Packing above the stem thread (PAT) provides bubble-tight shutoff. Cold-formed body threads. Strain-hardened stem threads. PTFE seals. Tested in accordance with ISA S75.02.

316 Stainless Steel—Packing above the stem thread (PAT) provides bubble-tight shutoff. Cold-formed body threads. Strain-hardened stem threads. PTFE seals.

- Max. pressure: 5000 psig CWP

Tube Size	Pipe Size	Connection	Stem Type	Max. Flow	Max. Height	L	Stainless Steel Temp. Rating	316 Stainless Steel Item No.	316 Stainless Steel Temp. Rating	Brass Temp. Rating	Item No.
Stainless Steel, Globe-Style											
—	1/4 in	FNPT	Stainless Steel	0.35 gpm	3 1/8 in	2 1/8 in	-65° to 450°F	4EUJ9	—	—	—
—	1/2 in	FNPT	Stainless Steel	0.35 gpm	3 1/8 in	2 1/8 in	-65° to 450°F	4EUJ1	—	—	—
General-Purpose											
—	1/4 in	FNPT	Blunt	0.73 gpm	3 3/8 in	1 1/8 in	—	—	-65° to 450°F	2KLC2	-65° to 450°F
—	1/4 in	FNPT	Needle	0.55 gpm	3 3/8 in	1 1/8 in	—	—	-65° to 450°F	2KLC3	-65° to 450°F
—	1/4 in	FNPT	PCTFE	0.8 gpm	3 3/8 in	1 1/8 in	—	—	-65° to 350°F	2KLC4	-65° to 350°F
—	1/2 in	FNPT	Blunt	1.23 gpm	4 1/8 in	2 3/8 in	—	—	-65° to 450°F	2KLC8	—
—	1/2 in	FNPT	Needle	1.05 gpm	4 1/8 in	2 3/8 in	—	—	-65° to 450°F	2KLC9	—
—	1/2 in	FNPT	PCTFE	1.29 gpm	4 1/8 in	2 3/8 in	—	—	-65° to 350°F	2KLD1	—
1/8"	—	A-LOK(R)/Compression	Blunt	0.12 gpm	6 3/8 in	2 1/8 in	—	—	-65° to 450°F	1RAZ1	—
—	—	A-LOK(R)/Compression	Blunt	0.43 gpm	3 1/8 in	2 3/8 in	—	—	-65° to 450°F	1RAZ4	-65° to 400°F
1/4"	—	A-LOK(R)/Compression	Blunt Needle PCTFE	0.45 gpm	3 1/8 in	2 3/8 in	—	—	-65° to 450°F	1RAZ6	—
—	—	A-LOK(R)/Compression	Regulating	0.43 gpm	3 1/8 in	2 3/8 in	—	—	-65° to 450°F	1RAZ5	-65° to 400°F
—	—	A-LOK(R)/Compression	Regulating	0.55 gpm	3 3/8 in	2 3/8 in	—	—	-65° to 350°F	1RAZ8	—
3/8"	—	A-LOK(R)/Compression	Blunt	0.73 gpm	3 3/8 in	2 3/8 in	—	—	-65° to 450°F	1RAZ7	-65° to 400°F
—	—	A-LOK(R)/Compression	Blunt Needle PCTFE	0.8 gpm	3 3/8 in	2 3/8 in	—	—	-65° to 450°F	1RAZ9	—
—	—	A-LOK(R)/Compression	Regulating	1.05 gpm	4 3/8 in	3 1/8 in	—	—	-65° to 450°F	1RBA2	—
1/2"	—	A-LOK(R)/Compression	Blunt	1.23 gpm	4 3/8 in	3 1/8 in	—	—	—	-65° to 400°F	1RBA4
—	—	A-LOK(R)/Compression	Blunt Needle PCTFE	1.29 gpm	4 3/8 in	3 1/8 in	—	—	-65° to 350°F	1RBA3	—
316 Stainless Steel, High-Purity											
3/8"	—	A-LOK(R)/Compression	Blunt Needle PCTFE	0.51 gpm	3 2 1/2 in	2 1 3/32 in	—	—	-65° to 350°F	1RBW8	—

Nickel-Plated Brass Mini Ball Valves and Kits

- Temp. range: -20° to 370°F, except kits are -40° to 350°F

Ideal for use in tight spaces and can be used with air, gas, and liquids. Valve structure is 1-pc. and full port, except 1/2" are standard port. 450 psi CWP valves have polycarbonate wedge handles and can be panel mounted. 600 psi CWP valves have zinc, wedge handles. Kits 1PZA7 to 1PZB5 include wedge, lever, and T-style handles.

Nos. 38EF92 to 38EF99 are lead free and certified for use with potable water and meet MSS SP-110.

Pipe Size	FNPT x FNPT (Valve Only) 450 psi CWP		FNPT x FNPT (Valve Only) 450 psi CWP Lead-Free Brass		FNPT x FNPT (Valve Only) 600 psi CWP		FNPT x MNPT (Valve Only) 450 psi CWP		FNPT x MNPT (Valve Only) 450 psi CWP Lead-Free Brass		FNPT x MNPT (Valve Only) 600 psi CWP		FNPT x FNPT (Valve Kit) 450 psi CWP		FNPT x MNPT (Valve Kit) 450 psi CWP	
	Item No.	Item No.	Item No.	Item No.	Item No.	Item No.	Item No.	Item No.	Item No.	Item No.	Item No.	Item No.	Item No.	Item No.	Item No.	Item No.
1/8 in	38EF84	38EF92	—	—	38EF88	38EF96	38EG05	1PZ7	1PZ8	—	—	—	—	—	—	—
1/4 in	38EF85	38EF93	38EG02	38EF89	38EF97	38EG06	1PZA8	1PZ83	—	—	—	—	—	—	—	—
3/8 in	38EF86	38EF94	38EG03	38EF90	38EF98	38EG07	1PZA9	1PZ84	—	—	—	—	—	—	—	—
1/2 in	38EF87	38EF95	—	38EF91	38EF99	38EG08	1PZB1	1PZ85	—	—	—	—	—	—	—	—



Brass Mini Ball Valves

Feature PTFE seats and packing, a blowoutproof stem, and a steel lever handle. For use with water, oil, and gas.

Pipe Size	Valve Structure	Port	Max. Pressure	Temp. Range	Lever FNPT x FNPT Item No.	Lever FNPT x MNPT Item No.	Lever Comp. x Comp. Item No.	Round FNPT x FNPT Item No.	Round MNPT x MNPT Item No.	Round Comp. x Comp. Item No.	Round FNPT x MNPT Item No.
1/8"	1-Pc.	Full	500 psi CWP	-35° to 300°F	21VL80	21VL78	—	—	—	—	—
—	2-Pc.	Full	1,000 psi CWP	-40° to 300°F	1WM12	1WML3	1WML4	1WMN2	1WMN1	—	—
1/4"	1-Pc.	Std.	500 psi CWP	-35° to 300°F	21VL81	21VL79	—	—	—	—	—
—	2-Pc.	Full	1,000 psi CWP	-40° to 300°F	1WM16	1WML7	1WML8	1WMN6	1WMN5	1WMN8	1WMN7
3/8"	2-Pc.	Full	1,000 psi CWP	-40° to 300°F	—	—	1WML9	—	—	1WMN9	—



21VL78



1WMN1