

SELECTION GUIDE

TYPE OF DEVICE	SERIES	**Apollo Recommended APPLICATION				
		BACK SIPHONAGE	BACK PRESSURE	CONTINUOUS PRESSURE	AESTHETIC HAZARD	HEALTH HAZARD
DOUBLE CHECK VALVE	DCLF 4A DCLF 4An DCLF 4SG, DCLF 4S	✓	✓	✓	✓	
DOUBLE CHECK DETECTOR ASSEMBLY	DCDALF 4A DCDALF 4An DCDA 4SG, DCDA 4S	✓	✓	✓	✓	
REDUCED PRESSURE PRINCIPLE	RPLF 4A	✓	✓	✓	✓	✓
REDUCED PRESSURE PRINCIPLE (n & V Flow)	RPLF 4An	✓	✓	✓	✓	✓
REDUCED PRESSURE PRINCIPLE (Stainless Steel)	RP 40-S	✓	✓	✓	✓	✓
REDUCED PRESSURE DETECTOR ASSEMBLY	RPDALF 4A RPDALF 4An	✓	✓	✓	✓	✓
ATMOSPHERIC VACUUM BREAKER	AVB1, AVB1LF AVB2	✓			✓	✓
PRESSURE VACUUM BREAKER	PVB 4A, PVBLF 4A	✓		✓	✓	✓
SPILL RESISTANT PRESSURE VACUUM BREAKER	SVB 4A, SVBLF 4A	✓		✓	✓	✓
DUAL CHECK	DUC 4ALF DUC 4FP DUC40, DUCLF40	✓	✓	✓	✓	
DUAL CHECK W/ ATMOS. PORT	DCAP 4A, DCAP 4ALF	✓	✓	✓	✓	
CARBONATED BEVERAGE BACKFLOW PREVENTER	CBBP	✓	✓	✓	✓	
HOSE CONNECTION VACUUM BREAKER	HBV2, HBV2LF	✓	✓*		✓	✓
ANTI FREEZE HOSE CONN. VACUUM BREAKER	HBVAF2, HBVAF2LF	✓	✓*		✓	✓
HOSE CONNECTION BACKFLOW PREVENTER	HBDUC, HBDUCLF	✓	✓*		✓	✓
LAB FAUCET VACUUM BREAKER	LFDUCLF	✓	✓		✓	

* Limited back pressure to 10' head

** Check with local authorities having jurisdiction

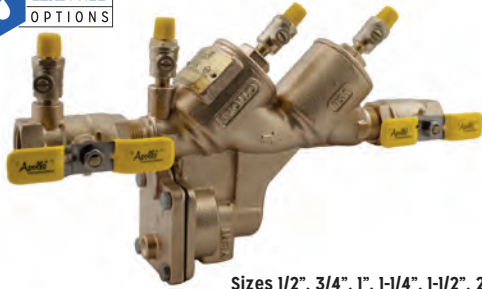
See **BFCA9000** for additional information including weights, dimensions and pressure loss curves.

Visit conbra.co/backflowapprovals for up-to-date agency approvals.

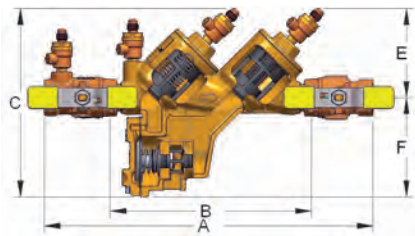


RP 4A SERIES

REDUCED PRESSURE PRINCIPLE



Sizes 1/2", 3/4", 1", 1-1/4", 1-1/2", 2"



Slo Cloz with Monitor Switches T2ST Option (1-1/2" and 2" only) See SSI397 for dimensions

The Apollo® Series RP 4A Reduced Pressure Principle Backflow Preventer is designed to give maximum protection against backflow caused by either back-pressure or back-siphonage from substances that are hazardous. The durable but economical device is easily maintained in the line with modular check cartridge assemblies that require no special tools. It consists of two independently acting spring-loaded check valves with an automatic differential relief valve located between the check valves. All testcocks are mounted at the top of the unit to assure easy access during repair and maintenance when unit is installed in tight places.

FEATURES

- Maximum Protection Against Back-Pressure/Back-Siphonage
- Modular Check Valve Cartridges w/ Easily Replaced Parts
- Reversible/Removable Chloramine-Resistant Silicone Seat Discs
- Low Head Pressure Loss
- Top Mounted Test Cocks
- Threaded Testcock Protectors
- Internal Sensing Passage
- Modular Captured Spring Relief Valve
- ASSE 1013
- CSA B64.4
- Lead Free Option
- NSF 61/8/G/372
- Federal Public Law III-380
- AWWA C511
- UL, ULC Classified (T2ST Option or Less Shutoffs)
- Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California
- Standard with Full Port Ball Valves with Stainless Steel Handles
- Corrosion Resistant
- Maximum Working Pressure: 175 psig
- Operating Temperature Range: 33°F-180°F
- Horizontal Installation Approvals on 1/2" through 2"
- 5 Year Warranty

STANDARD MATERIALS LIST

BODY, CAPS	Bronze (C84400/LF C89836)
BV SHUT-OFFS, TESTCOCKS	Bronze (C84400/LF C87800)
SPRINGS	300 Series SS
SEAT DISCS	Chloramine-Resistant Silicone
DIAPHRAGM	Nitrile and Nylon
CHECK MODULES	Glass-Filled PPO
O-RINGS	Chloramine-Resistant EPDM
BALL VALVE HANDLES	Stainless Steel

Contact local water authorities for installation/service requirements.

PART NUMBER MATRIX

4A [X]	2 X	X	X X	X
	Y-STRAINER	SIZE	SHUT-OFF VALVES	OPTIONS (CAN BE COMBINED)
4A = Non-Lead Free 4ALF = Lead Free	0 = Standard 1 = With Y-Strainer (Shipped loose)	3 = 1/2" 4 = 3/4" 5 = 1" 6 = 1-1/4" 7 = 1-1/2" 8 = 2"	A = Apollo Bronze BV A2 = w/ball valves (Standard) A4 = w/union ball valves (3/4" - 2") T = Apollo Domestic Bronze BV T2 = w/ball valves (Standard) T4 = w/union ball valves (3/4" - 2") T2ST* = w/Gear Operated ball valves w/tamper switch (1-1/2" - 2")	F = SAE threaded test cocks (standard 1/2") L = Lever handle (3/4" & 1" only) LL = Locking lever handles PR = Press Connection (Factory Installed) P = Push Connection (Factory Installed) B = Theft Deterrent Coating

EXAMPLE:

4A 215 A4LL = 1" Reduced Pressure Backflow Preventer with strainer, union ball valves and locking lever handles

DIMENSIONS

Model No.	RP4A12	RP4A12	RP4A34	RP4A34	RP4A1	RP4A1	RP4A114	RP4A114	RP4A112	RP4A112	RP4A2	RP4A2
Factory No.	4A 203 A2F	4A 203 A2F	4A 204 A2F	4A 204 A2F	4A 205 A2F	4A 205 A2F	4A 206 A2F	4A 206 A2F	4A 207 A2F	4A 207 A2F	4A 208 A2F	4A 208 A2F
Size	1/2"	15 mm.	3/4"	20 mm.	1"	25mm.	1-1/4"	32 mm.	1-1/2"	40 mm.	2"	50 mm.
A*	10-7/8	276	12-5/8	321	14-5/8	371	17-1/2	445	18	457	20-1/8	511
B	7-3/8	187	8-1/2	216	9-1/2	241	11-3/4	298	11-5/8	295	12-3/4	324
C	7-1/8	181	7-3/8	187	8	203	9-7/8	251	9-7/8	251	11	279
D	2-7/8	73	3-1/8	79	3-1/4	83	5-1/8	130	5-1/8	130	5-7/8	149
E	3-1/4	83	3-1/2	89	4	100	4-1/2	114	4-1/2	114	5	127
F	3-7/8	98	3-7/8	98	4	100	5-3/8	137	5-3/8	137	6	150
WEIGHTS	lbs.	kg.	lbs.	kg.	lbs.	kg.	lbs.	kg.	lbs.	kg.	lbs.	kg.
Net Wt.	6.9	3.1	8.2	3.7	11.7	5.3	13.6	6.2	17.4	7.9	24.5	11.1

*For T2ST Option, Union Ball Valve, Press, and Push connection dimensions, see submittal sheets.

