

data sheet

DCLF4A / DC4A

double check backflow preventer - bronze



features

- low pressure loss
- captured spring cartridge check valves
- compact, yet easy to maintain
- ball valve shut-offs w/ ss handles & nuts standard
- top access for fast testing & maintenance
- no special tools required for service
- threaded testcock protectors
- dezincification resistant bronze construction
- 5 year warranty
- lead free option
- chloramine-resistant elastomers
- 100% factory tested
- made in the USA

description

The "Apollo"® DC4A and DCLF4A series lead free* & non-lead free double check valves prevent contamination of the potable water supply due to back-siphonage or backpressure from substances that are objectionable to the potable water supply, but non-health hazards. The top accessed modular check valve cartridges provide captured springs, replaceable seats and reversible silicone seat discs.

size range connections

- ½" - 2"
- threaded
- press

configurations

- DC4A series - bronze
- DCLF4A series - lead-free bronze

compliance

- horizontal and vertical up approvals
- USC-FCCCHR 10th edition
- AWWA C510
- ASSE 1015-2011
- CSA B.64.5
- NSF/ANSI/CAN 61 - water quality
- NSF/ANSI/CAN 372 - lead free
- IPC, UPC, NPCC
- Buy American Act (BAA)
- Build America Buy America (BABA) Act

component	material
body	C84400 bronze C89836 lead free
caps	C84400 bronze C89836 lead free
BV shutoffs	C84400 bronze C89836 lead free
test cocks	C84400 bronze C89836 lead free
check valve cartridges	glass filled PPO
springs	300 SS
seat discs	chloramine resistant silicone

performance rating

CWP (maximum)	temperature range
175 psig	33°F - 180°F



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Aalberts integrated piping systems

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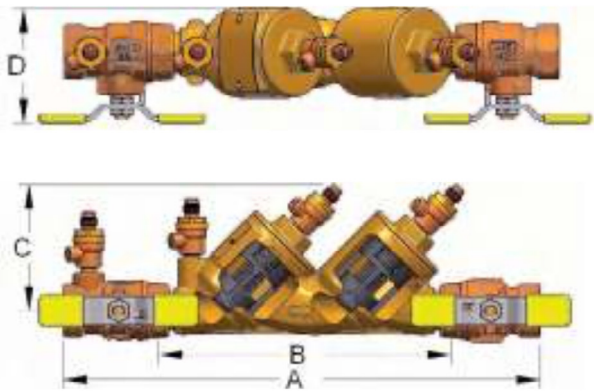
job name	
job location	
engineer	
contractor	
tag	
PO#	
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wholesaler dist	

data sheet

part number matrix

4ALF	1X	X	OX [X]	XX
	y-strainer	size	shut off valves (inlet x outlet)	options
4A - standard	0 - standard	3 - ½"	A2 - with ball valves (standard)	F - SAE threaded test cocks (standard ½" - 1")
4ALF - lead free	1 - with y-strainer (shipped loose)	4 - ¾"	A4 - with union ball valves (¾" - 2")	LL - SS locking lever handles
		5 - 1"		PR - press connections (factory installed)
		6 - 1 ¼"		
		7 - 1 ½"		
		8 - 2"		

example: 4A-104-A4LL = ¾" double check valve assembly with union ball valves with locking lever handles



dimensions

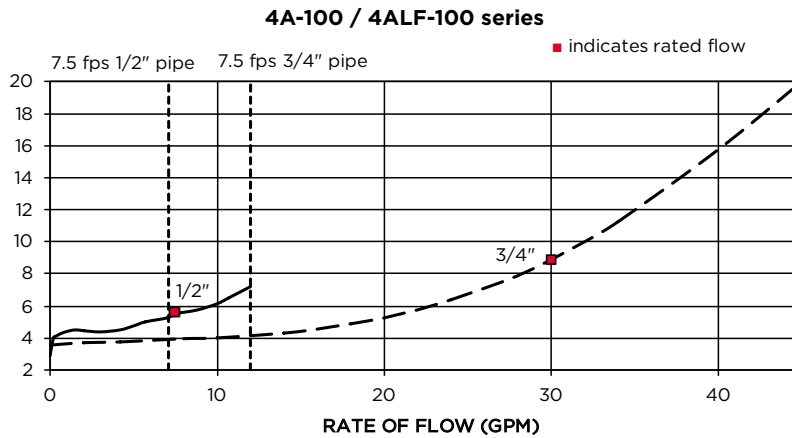
part number	lead free part number	size	dimensions				weight
			a	b	c	d	
4A-103-A2F	4ALF-103-A2F	½"	10.88"	7.38"	3.25"	2.50"	4.1 lbs
4A-104-A2F	4ALF-104-A2F	¾"	12.63"	8.50"	3.50"	3.00"	5.4 lbs
4A-105-A2F	4ALF-105-A2F	1"	14.63"	9.50"	4.00"	3.25"	9.0 lbs
4A-106-A2	4ALF-106-A2	1 ¼"	17.50"	11.75"	4.50"	4.75"	9.1 lbs
4A-107-A2	4ALF-107-A2	1 ½"	18.00"	11.63"	4.50"	4.75"	12.9 lbs
4A-108-A2	4ALF-108-A2	2"	20.13"	12.75"	5.00"	5.38"	16.5 lbs

data sheet

flow curves
engineering data

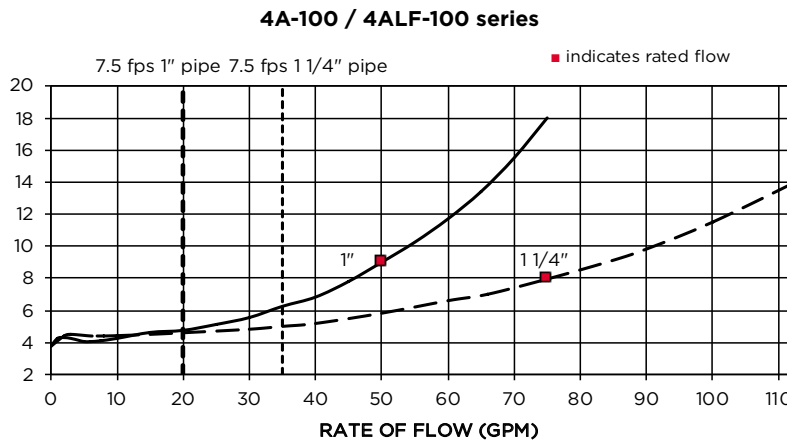
model DC4A / DCLF4A

graph 1



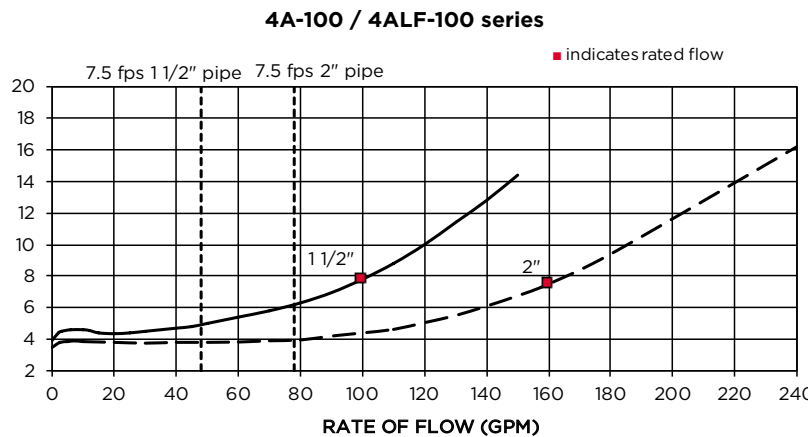
model DC4A / DCLF4A

graph 2



model DC4A / DCLF4A

graph 3



notes:

1. flow curves directly reflect data collected by an asse approved laboratory
2. flow curves shown were recorded with gate shut-off valves. contact factory for more information
3. all data points are based on ASSE increasing flow data, from zero GPM to rated flow (opening curve)
4. for high flow rates/pressure loss information - contact factory