

RELIEF & FLOAT VALVES, AIR VOLUME & FLOW CONTROLS

Variety of products to protect your systems from pressure build up
and ensure longevity



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RELIEF VALVES

Boshart's relief valves are recommended for all cold water system installations to protect against damage to piping and pressure tanks. Field adjustments are not recommended for these relief valves. Any changes made to the pre-set pressure is entirely at the risk of the person(s) / company who make the adjustment. Relief valves must be installed so that they drain to a floor drain, sump or other safe location with an air break. If an outlet pipe is used then it must be at least the same diameter as the relief valve outlet.

Spring Material: Stainless Steel,



Part No.	Size	Inlet Connection	Outlet Connection	Factory Pre-Set	Quantity	
					L1	L2

Brass, Temperature Range: Up to 140°F (60°C), Accuracy: +/- 15%



RVNB05-075NL	1/2"	MPT	FPT	75 PSI	10	100
RVNB07-075NL	3/4" x 1/2"	MPT	FPT	75 PSI	10	100

Brass, Temperature Range: Up to 140°F (60°C), Accuracy: +/- 15%

• NSF/ANSI Standard 372 Certified



RVNB05-100NL	1/2"	MPT	FPT	100 PSI	10	100
RVNB07-100NL	3/4" x 1/2"	MPT	FPT	100 PSI	10	100

Cast Brass, Temperature Range: Up to 140°F (60°C), Accuracy: +/- 15%

• NSF/ANSI Standard 372 Certified



RVHD05NL	1/2"	MPT	FPT	75 PSI	50	
RVHD07NL	3/4"	MPT	FPT	75 PSI	25	
RVHD10NL	1" x 3/4"	MPT	FPT	75 PSI	20	

Cast Brass, Temperature Range: Up to 140°F (60°C), Accuracy: +/- 15%

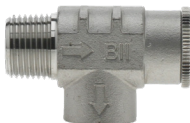
• NSF/ANSI Standard 372 Certified



RVHD12NL	1-1/4"	MPT	FPT	65 PSI	10	
RVHD15NL	1-1/2"	FPT	FPT	65 PSI		
RVHD20NL	2"	FPT	FPT	65 PSI		

304 Stainless Steel, Accuracy: +/- 15%

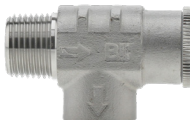
• NSF/ANSI Standard 372 Certified



SSRVN05-075	1/2"	MPT	FPT	75 PSI	10	100
SSRVN07-075	3/4" x 1/2"	MPT	FPT	75 PSI	10	100

304 Stainless Steel, Accuracy: +/- 15%

• NSF/ANSI Standard 372 Certified



SSRVN05-100	1/2"	MPT	FPT	100 PSI	10	100
SSRVN07-100	3/4" x 1/2"	MPT	FPT	100 PSI	10	100

PVC, Accuracy: +/- 15%

• Adjustable to 150 PSI



PVC RVN05-75150	1/2"	MPT	FPT	75 PSI	20	120
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Contact your sales rep for any further information

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SNIFTER & TANK VALVES

The valves with a light 3 PSI or no-spring are typically used in bleeder systems, they allow air to be drawn into the water line to charge a hydro-pneumatic pressure tank. The SV-1NL with heavy 60 PSI spring is a general purpose air valve, commonly used to add air to a pressure tank using a air compressor.

- NSF/ANSI Standard 372 Certified
- SV-0-NCS & SV-1-NCS Opening Pressure is 0 PSI



Part No.	Size	Design	Quantity	
			L1	L2
MPT, Temperature Range: -10°F to 165°F (-23°C to 73.9°C), Opening Pressure: 3 PSI, Pressure Range: 15-150 PSI				
SV-0-NCS	1/8"	Springless	10	100
SV-0-SC-VC	1/8"	Light Spring	10	100
SV-0NL	1/8"	Light Spring - Soft Core	10	100
SV-1-NCS	1/4"	Springless	10	100
SV-1-SC-VC	1/4"	Light Spring - Soft Core	10	100
MPT, Temperature Range: -22°F to 275°F (-30°C to 135°C), Opening Pressure: 60 PSI, Pressure Range: 0-200 PSI				
SV-1NL	1/4"	Standard	10	100



SNIFTER VALVE CAPS

These caps are for snifter valves.

Part No.	Description	Quantity	
		L1	L2
SV-CAP	Black flexible plastic cap (no sealing gasket)	10	100
SV-CAP-M	Chrome plated steel cap with rubber seal & valve core driver feature		2000



BLEEDER ORIFICES

Bleeder orifices allow for water to be easily drained from submersible pump applications.



Part No.	Size	Quantity		Part No.	Size	Quantity	
		L1	L2			L1	L2
Brass, MPT				Rubber, MPT			
Rapid opening and closing, complete closure preventing loss of pumping volume.				Fast bleed through its large opening.			
BOB07NL	3/4"	48	384	BOR10	1"	40	600



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FLOAT VALVES

The most common use of a float valve is to control the filling of livestock water tanks and water tower cooling tanks as well as many other automatic tank filling applications.



Part No.	Inlet Size	Inlet Connection	Outlet Size	Outlet Connection	Rod Connection	Quantity	
						L1	L2



Brass, Temperature Range: Up to 180°F (82°C), Maximum Pressure: 125 PSI

SMT connection is straight male thread with a gasket and nut

• NSF/ANSI Standard 372 Certified

28-BFV-03NL	3/8"	MPT	3/8"	MPT	1/4" - 20 SAE	10	100
28-BFV-05NL	1/2"	MPT	1/2"	MPT	1/4" - 20 SAE	10	100
28-BFV-07NL	3/4"	MPT	3/4"	MPT	1/4" - 20 SAE	10	80
28-BFV-10NL	1"	MPT	1"	MPT	1/4" - 20 SAE	10	40
28-BFV-12NL	1-1/4"	FPT		Faucet	3/8" - 16 SAE	20	
28-BFV-15NL	1-1/2"	FPT		Faucet	3/8" - 16 SAE	20	
28-BFV-20NL	2"	FPT		Faucet	3/8" - 16 SAE	20	
28-BHFV-05NL	1/2" or 3/8"	SMT or FPT	1/2"	MPT	1/4" - 20 SAE	10	100
28-BHFV-07NL	3/4" or 1/2"	SMT or FPT	3/4"	MPT	1/4" - 20 SAE	10	80



PVC, Maximum Pressure: 100 PSI

28-PFV-05	1/2"	MPT	1/2"	MPT	1/4" - 20 SAE	24	192
28-PFV-07	3/4"	MPT	3/4"	MPT	1/4" - 20 SAE	12	144
28-PFV-10	1"	MPT	1"	MPT	1/4" - 20 SAE	10	80
28-PFV-12	1-1/4"	MPT	1-1/4"	MPT	3/8" - 16 SAE	28	
28-PFV-15	1-1/2"	MPT	1-1/2"	MPT	3/8" - 16 SAE	28	

FLOAT VALVE PARTS

These are replacement parts for float valves.

Part No.	Description	Quantity	
		L1	L2



Lever Assembly

28-BFVP-LA0310	For 3/8" to 1" float valve	100	
28-BFVP-LA1220	For 1-1/4" to 2" float valve	50	



Plunger Assembly

28-BFVP-PA0305	For 3/8" to 1/2" float valve	100	
28-BFVP-PA07	For 3/4" float valve	60	
28-BFVP-PA10	For 1" float valve	300	
28-BFVP-PA1220	For 1-1/4" to 2" float valve	20	



Replacement Seal Kit

28-BFVP-SK0305	For 3/8" to 1/2" float valve	50	
28-BFVP-SK07	For 3/4" float valve	100	
28-BFVP-SK10	For 1" float valve	100	
28-BFVP-SK1220	For 1-1/4" to 2" float valve	100	

FLOAT PLUG ADAPTERS

These float plug adapters are used to connect two different types of threads together or where the float rod is a different connection than the float valve requires.

Part No.	Size	Connection Type	Description	Quantity	
				L1	L2



Brass

28-BFVA-R434-0	1/4" x 3/8"	Female UNC x MPT	Connects 3/8" thru 1" valve to 8" float		
28-BFVA-R434-11	3/8"	Female UNC x MPT	Connects 1-1/4" thru 2" valve to 8" float		
28-BFVA-R435-5	3/8" x 1/4"	Male UNC x Female UNC	Connects 1-1/4" thru 2" valve to 6" or smaller float		

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FLOAT RODS

Float rods are used for connecting the float to the float valve.



Part No.	Size	Thread	Length	Quantity	
				L1	L2



Stainless Steel,

Use to connect 3/8" thru 1" float valves with float balls up to and including 6" diameter.

28-BFVRSS-045	1/4"	Male UNC	4-1/2"	500	
28-BFVRSS-06	1/4"	Male UNC	6"	500	
28-BFVRSS-08	1/4"	Male UNC	8"	400	
28-BFVRSS-10	1/4"	Male UNC	10"	250	
28-BFVRSS-12	1/4"	Male UNC	12"	200	



Stainless Steel,

Use to connect 3/8" thru 1" float valves with 8" or larger float balls, or 1-1/4" thru 2" float valves with float balls up to and including 6" diameter.

28-BFVRSS3814-10	3/8" x 1/4"	Male UNC x Male UNC	10"	100	
28-BFVRSS3814-12	3/8" x 1/4"	Male UNC x Male UNC	12"	100	
28-BFVRSS3814-14	3/8" x 1/4"	Male UNC x Male UNC	14"	100	
28-BFVRSS3814-16	3/8" x 1/4"	Male UNC x Male UNC	16"	100	



Stainless Steel,

Use to connect 1-1/4" thru 2" float valves with 8" diameter and larger float balls.

28-BFVRSS38-10	3/8"	Male UNC	10"	100	
28-BFVRSS38-12	3/8"	Male UNC	12"	100	
28-BFVRSS38-14	3/8"	Male UNC	14"	100	
28-BFVRSS38-16	3/8"	Male UNC	16"	100	

FLOATS

It is not recommended to use less than an 8" diameter float with 1-1/4" to 2" valves. Due to a lack of buoyancy - 6" & smaller floats can be used where inlet pressure is very low.

Part No.	Float Diameter	Size	Thread	Buoyancy Lb/CU.FT	Quantity	
					L1	L2



Copper,

• For open tank service only

28-BFVF-C3	3"	1/4"	Female UNC	0.34		
28-BFVF-C4	4"	1/4"	Female UNC	0.80		
28-BFVF-C5	5"	1/4"	Female UNC	1.73		
28-BFVF-C6	6"	1/4"	Female UNC	3.26		
28-BFVF-C8	8"	3/8"	Female UNC	8.03		



Polypropylene, Temperature Range: Up to 175°F (79°C),

• NSF/ANSI Standard 372 Certified

• For open tank service only

• Corrosion resistant

• Float rod connection is not factory threaded, the smooth hole is designed for easy self-tapping by threading the metal float rod into the blind hole

28-BFVF-P5	5"	1/4"	UNC (Self-tapping)	1.20		
28-BFVF-P6	6"	1/4"	UNC (Self-tapping)	3.40		
28-BFVF-P8	8"	1/4"	UNC (Self-tapping)	8.40		



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FLOATS

Part No.	Float Diameter	Size	Thread	Bouyancy Lb/CU.FT	Quantity L1 L2
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Polyethylene, Temperature Range: Up to 150°F (66°C),

- Excellent corrosive resistance, good impact & abrasive resistance
- 4.5" to 6": Float rod connection is not factory threaded, the smooth hole is designed for easy self-tapping by threading the metal float rod into the blind hole
- 8" to 10": Floats have a threaded brass insert rod connection
- Not to be used in applications where they are fully submersed



28-BFVF-PL10	10"	3/8"	Female UNC	30
28-BFVF-PL4.5	5"	1/4"	UNC (Self-tapping)	400
28-BFVF-PL5	5"	1/4"	UNC (Self-tapping)	200
28-BFVF-PL6	6"	1/4"	UNC (Self-tapping)	100
28-BFVF-PL8	8"	3/8"	Female UNC	50



304 Stainless Steel,

- Suitable for use in corrosive fluids where high pressure or extreme temperature may exist



28-BFVF-S3	3"	1/4"	Female UNC	0.21
28-BFVF-S4	4"	1/4"	Female UNC	0.65
28-BFVF-S5	5"	1/4"	Female UNC	1.55
28-BFVF-S6	6"	1/4"	Female UNC	2.15
28-BFVF-S8	8"	3/8"	Female UNC	6.50

NON-REPAIRABLE AIR VOLUME CONTROLS

These non-repairable air volume controls prolong the pump life by reducing cycling frequency.

- NSF/ANSI Standard 372 Certified

Primary Material: Zinc Plated Steel, Maximum Pressure: 100 PSI



Part No.	Tank Connection	Pump Connection	Maximum Tank Size	Quantity L1 L2
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Boshart

AVC45	1/4" MPT	1/4" Male Comp Thread	42 gal	20
AVC100	3/8" MPT	1/4" Male Comp Thread	120 gal	20



Brady

AV45F	1/4" MPT	1/8" FPT	70 gal	
AV45	1/4" MPT	1/4" Male Comp Thread	70 gal	
AV100F	3/8" MPT	1/8" FPT	120 gal	
AV100	3/8" MPT	1/4" Male Comp Thread	120 gal	

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REPAIRABLE AIR VOLUME CONTROLS

Repairable air volume controls reduce cycling frequency and can be used on jet, centrifugal & rotary pumps.

Primary Material: Zinc-die Cast, Maximum Pressure: 100 PSI



Part No.	Tank Connection	Pump Connection	Maximum Tank Size	Quantity	
				L1	L2
Brady					
AV30	1/4" FPT	7/16" - 24 THD	42 gal		
AV42	1/4" FPT	1/4" FPT	70 gal		
AV80	1/4" FPT	1/4" FPT	120 gal		
AV120	1/4" FPT	1/4" FPT	220 gal		

AIR VOLUME CONTROL REPAIR KITS

These are for the repairable air volume controls. Each kit includes a diaphragm, springs, screws, nuts, ball and seal which are needed for a quick and simple repair job.



Part No.	Description	Quantity	
		L1	L2
AV-30-3A	For AV30		
AV-42-3A	For AV42		
AV-80-3A	For AV80		
AV-120-3A	For AV120		

AVC INSTALLATION KIT

A fitting attaches to suction side of pump for air volume control use and to pressure side of pump for pressure switch use or the second fitting attaches to pump side of AV42, AV80 and AV120 air volume controls for air volume control use. For pressure switch installation, it attaches to pressure switch and pressure side of pump.

Part No.	Quantity	
	L1	L2
Includes:		
(2) Fitting No. 75-1/8 1/4" Barb x 1/8" MPT Plastic Fitting		
(2) Fitting No. 75-1/4 1/4" Barb x 1/4" MPT 90 Elbow Plastic Fitting		
(1) Fitting No. 78E 1/4" Barb x 7/16" Compression Elbow Plastic Fitting		
(1) 4' of Polyethylene Tubing 1/4" I.D. x 3/8" O.D.		
AVC-UK1		

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WELL AIR VOLUME CONTROLS

All housings are tapped for use with a 1/4" FPT gauge.
Maximum Pressure: 100 PSI



Part No.	Brand	Housing	Tank Connection	Pressure Range	Quantity L1 L2
Deep Well Adjustable Air Release • Air release valve factory set at 25 PSI					
AVC-AE10	Boshart	Plastic	1-1/4" MPT	0-40 PSI	50
Deep Well Adjustable Air Release • Air release valve factory set at 25 PSI • NSF/ANSI Standard 372 Certified					
AVC-DW-AR	Boshart	Zinc die-cast	1-1/4" MPT	0-40 PSI	50
Deep Well Air Release • NSF/ANSI Standard 372 Certified					
AVC-DWP	Boshart	Plastic	1-1/4" MPT		50
Shallow Well Control • 48" of 1/4" poly tubing & brass mini barb adapters included • NSF/ANSI Standard 372 Certified					
AVC-L	Ametek	Zinc die-cast	1-1/4" MPT		20
Deep Well Air Release • NSF/ANSI Standard 372 Certified					
AVC-PENN-WJ	PENN	Plastic	1-1/4" MPT		50
Shallow Well Control • 48" of 1/4" poly tubing & brass mini barb adapters included • NSF/ANSI Standard 372 Certified					
AVC-SW	Boshart	Zinc die-cast	1-1/4" MPT		50
Deep Well Adjustable Air Release • Air release valve factory set at 25 PSI • NSF/ANSI Standard 372 Certified					
AVC-WJ	Ametek	Zinc die-cast	1-1/4" MPT	0-40 PSI	20

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FLOMATIC FLOW CONTROLS

The Flomatic® Flo-Trol® CD900 automatic flow control valves are designed to give constant flow over a wide pressure ranges. The valve design has no moving part; rather a self-cleaning flexible orifice that varies in size with applied pressure so that a constant flow rate is maintained. See tech sheet for various applications.

- 3" MPT models (CDK series) are available by special order. Contact sales for details.

• NSF/ANSI 61 & 372

• Flow rates are +/- 15% between 15 and 125 psi (1 to 6 bar)

Temperature Range: Up to 180°F (82°C)



Part No. **Flow** **Quantity**
 L1 L2

3/8" FPT

Stainless Steel, Hex: 0.875", Overall Length: 1.75"

CDA.19	0.19 GPM
CDA.25	0.25 GPM
CDA.50	0.5 GPM
CDA.75	0.75 GPM
CDA1.0	1 GPM



1/2" FPT

Stainless Steel, Hex: 1.000", Overall Length: 2.00"

CDB1.0	1 GPM
CDB1.5	1.5 GPM
CDB2.0	2 GPM
CDB2.5	2.5 GPM
CDB3.0	3 GPM
CDB3.5	3.5 GPM
CDB4.0	4 GPM
CDB5.0	5 GPM
CDB6.0	6 GPM



3/4" FPT

Stainless Steel, Hex: 1.250", Overall Length: 2.25"

CDC1.0	1 GPM
CDC1.5	1.5 GPM
CDC2.0	2 GPM
CDC2.5	2.5 GPM
CDC3.0	3 GPM
CDC3.5	3.5 GPM
CDC4.0	4 GPM
CDC4.5	4.5 GPM
CDC5.0	5 GPM
CDC6.0	6 GPM
CDC7.0	7 GPM
CDC8.0	8 GPM
CDC9.0	9 GPM
CDC10	10 GPM



Part No. **Flow** **Quantity**
 L1 L2

CDC11.5 11.5 GPM

3/4" MPT x FPT

Stainless Steel, Hex: 1.250", Overall Length: 1.50"

CDY1.0	1 GPM
CDY1.5	1.5 GPM
CDY2.0	2 GPM
CDY2.5	2.5 GPM
CDY3.0	3 GPM
CDY4.0	4 GPM
CDY5.0	5 GPM
CDY6.0	6 GPM
CDY7.0	7 GPM
CDY8.0	8 GPM
CDY9.0	9 GPM
CDY10	10 GPM
CDY11.5	11.5 GPM



1" FPT

Stainless Steel, Hex: 1.500", Overall Length: 2.75"

CDX1.0	1 GPM
CDX1.5	1.5 GPM
CDX2.0	2 GPM
CDX2.5	2.5 GPM
CDX3.0	3 GPM
CDX3.5	3.5 GPM
CDX4.0	4 GPM
CDX4.5	4.5 GPM
CDX5.0	5 GPM
CDX6.0	6 GPM
CDX7.0	7 GPM
CDX8.0	8 GPM
CDX9.0	9 GPM
CDX10	10 GPM
CDX12	12 GPM
CDX15	15 GPM
CDX20	20 GPM
CDX25	25 GPM
CDX30	30 GPM



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FLOMATIC FLOW CONTROLS

Part No. Flow Quantity
L1 L2

1-1/4" MPT

Stainless Steel, OD: 1.66", Overall Length: 3.00"



CDP1.0	1 GPM
CDP1.5	1.5 GPM
CDP2.0	2 GPM
CDP2.5	2.5 GPM
CDP3.0	3 GPM
CDP3.5	3.5 GPM
CDP4.0	4 GPM
CDP5.0	5 GPM
CDP6.0	6 GPM
CDP7.0	7 GPM
CDP8.0	8 GPM
CDP9.0	9 GPM
CDP10	10 GPM
CDP12	12 GPM
CDP15	15 GPM
CDP20	20 GPM
CDP25	25 GPM
CDP30	30 GPM

Part No. Flow Quantity
L1 L2

1-1/2" MPT

Stainless Steel, OD: 1.90", Overall Length: 3.00"



CDT9.0	9 GPM
CDT10	10 GPM
CDT12	12 GPM
CDT15	15 GPM
CDT20	20 GPM
CDT25	25 GPM
CDT30	30 GPM

2" MPT

Stainless Steel, OD: 2.375", Overall Length: 3.00"



CDF9.0	9 GPM
CDF10	10 GPM
CDF12	12 GPM
CDF15	15 GPM
CDF17	17 GPM
CDF20	20 GPM
CDF25	25 GPM
CDF30	30 GPM

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