CASH VALVE™ A SERIES PRESSURE REGULATORS

Single seated and self-actuating compact diaphragm-type regulators covering a wide range of designs and operating pressures

FEATURES

- Reduce high inlet pressures to lower outlet pressures within close limits.
- All brass bodies with inbuilt strainer.
- Easily renewable disc-piston assembly.
- Screwed-in cylinder body seat provides for easy removal.
- Self contained strainer protects working parts.
- Types A-360 and A-361 incorporate an aspirating action to give exceptional regulation at high flow rates.
- Fillister or hex head adjusting screws standard; T-bar handle, handwheel or tamper-proof seal caps available.
- Balanced piston design either standard or optional depending on model.

GENERAL APPLICATION

A Series regulators are suitable for a variety of applications with water, air, oil, gases or other non-corrosive fluids as may be recommended for a specific design. They are not suitable for steam service.

TECHNICAL DATA[1]

Material:	Brass
Sizes:	⅛ to ½ in. (6 to 15 mm)
Connections:	Threaded NPTF
Body styles:	2, 3 or 4-way
Inlet pressure range:	250 to 1100 psi (17.2 to 76 bar)
Reduced pressure range:	0 to 400 psi (0 to 27.6 bar)
Maximum temperature:	180°F (82°C)

1. Refer to General Specifications Table in page 2 for more information.

MODELS OVERVIEW

A-16
• Sizes: ¼ or ⅜ in. (8 or 10 mm)
• Body styles:
- Two-way valve with one female inlet and opposite female outlet.
- Three-way valve with one female inlet and opposite female outlet plus a left-hand side ¼ or ⅜ NPT (8 or 10 mm) gauge connection[1].

A-31 and A-31S
• Sizes: ⅛, ¼ or ⅜ in. (6, 8 or 10 mm)
• Body styles:
- Type A-31: two-way valve with one female inlet and opposite female outlet.
- Type A-31S: three-way valve with one female inlet and opposite female outlet plus either a left or right-hand side ⅛, ¼ or ⅜ NPT (6, 8 or 10 mm) gauge connection[1].

A-360, A-361 and A-365
• Sizes: ¼, ⅜ or ½ in. (8, 10 or 15 mm)
• Body styles:
- Types A-360 and A-365 - two-way valve with one female inlet and opposite female outlet.
- Type A-361 - adaptable for three-way or four-way use.

NOTE
1. Gauge connection designation is in relation to main valve inlet with valve in upright position.

TYPE A-31

TYPE A-360, 365

TYPE A-361

Operation

All A Series pressure regulators are supplied with the requested delivery pressure pre-adjusted at the factory. Pressure adjustment is accomplished by turning the adjusting screw either clockwise to increase delivery pressure or counter-clockwise to reduce delivery pressure. For example, turning the adjusting screw clockwise forces the adjusting spring to act against the diaphragm assembly and move the internal valve seat to the open position.
When high inlet pressure is applied, it flows into the regulator, through the open seat, up under the diaphragm and on through the outlet. As the outlet pressure builds up under the diaphragm to the adjusted psi setting, the downward adjusting spring pressure is overcome and the regulating valve seat closes to maintain the required delivery pressure.

TYPE A-16 (two-way)

GENERAL SPECIFICATIONS

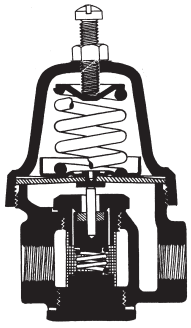
					Materials		Maximum Inlet Pressure, psi (bar)	Maximum Outlet Pressure, psi (bar)	Temperature, °F (°C)
Product	Body Material	Spring Chamber Material	Service	Body Size, in. (mm)	Diaphragm	Seat (Disc)			
A-16	Brass	Aluminum	Water/Air	¼ or ⅜ (8 or 10)	Nitrile (NBR)	NBR	250 (17.2)	180 (12.4)	-40 to 180 (-40 to 82)
A-31	Brass	Brass or Aluminum	Water/Air	⅛, ¼ or ⅜ (6, 8 or 10)	NBR, Neoprene or EPR	NBR	300 (20.7)	250 (17.2)	-40 to 180 (-40 to 82)
						PTFE	300 (20.7)	250 (17.2)	-40 to 180 (-40 to 82)
						FKM	300 (20.7)	250 (17.2)	-40 to 180 (-40 to 82)
A-31S	Brass	Aluminum	Water/Air	⅛, ¼ or ⅜ (6, 8 or 10)	NBR, Neoprene or EPR	NBR	300 (20.7)	250 (17.2)	-40 to 180 (-40 to 82)
						PTFE	300 (20.7)	250 (17.2)	-40 to 180 (-40 to 82)
						FKM	300 (20.7)	250 (17.2)	-40 to 180 (-40 to 82)
A-31VR	Brass	Brass	Vacuum	¼ (8)	EPR or EPR with PTFE Liner	Silicone	- - - -	- - - -	-40 to 180 (-40 to 82)
						FFKM	- - - -	- - - -	-40 to 180 (-40 to 82)
A-360 A-361	Brass	Brass	Water/Air	¼, ⅜ or ½ (8, 10 or 15)	NBR, FKM, Neoprene or Bronze	NBR	400 (27.6)	250 (17.2)	-40 to 180 (-40 to 82)
						PTFE	400 (27.6)	250 (17.2)	-40 to 180 (-40 to 82)
						FKM	400 (27.6)	250 (17.2)	-40 to 180 (-40 to 82)
						Neoprene	400 (27.6)	250 (17.2)	-40 to 180 (-40 to 82)
						EPDM	400 (27.6)	250 (17.2)	-40 to 180 (-40 to 82)
A-365	Brass	Brass	Water/Air	¼ or ⅜ (8 or 10)	NBR, FKM, Neoprene, EPDM or Bronze	NBR	1100 (75.9)	400 (27.6)	-40 to 180 (-40 to 82)
						PTFE	1100 (75.9)	400 (27.6)	-40 to 180 (-40 to 82)
						FKM	1100 (75.9)	400 (27.6)	-40 to 180 (-40 to 82)
						Neoprene	1100 (75.9)	400 (27.6)	-40 to 180 (-40 to 82)
						EPDM	1100 (75.9)	400 (27.6)	-40 to 180 (-40 to 82)

A-16 MODERATE REGULATION LOW TO MEDIUM CAPACITY

Application

Type A-16 Regulators are suitable for air, water, oil, fluids and gas applications and are intended for use on equipment requiring moderate regulation, low to medium capacity and installations where space limitations and flexibility of hook-up are important factors. They are designed for initial pressures up to 250 psi (17.2 bar) and delivery pressures ranging from 2 to 180 psi (0.14 to 12.4 bar) depending on the spring used. The maximum operation temperature is 180°F (82°C).

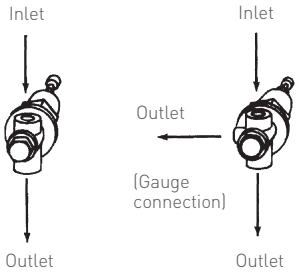
The Type A-16 Regulator is suitable for use in drinking fountains, bubblers, water coolers, humidifiers, beverage dispensers, spray paint rigs, air tools, etc.



TYPE A-16 (TWO-WAY) INTERIOR

SPECIFICATIONS

	Description				Maximum		
	Size, in. (mm)		Body style		inlet pressure,	Adjustable range,	Temperature Range,
Type	¼ (8)	⅜ (10)	2-way	3-way	psi (bar)	psi (bar)	°F (°C)
A-16	X	X	X	X	250 (17.2)	2 to 180 (0.14 to 12.4)	-40 to 180 (-40 to 82)



Style 1 (two-way) Style 2 (three-way)

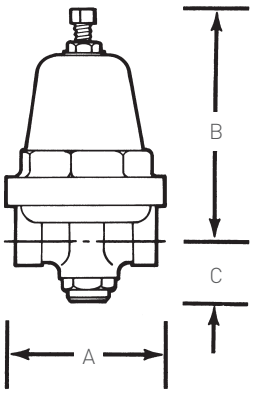
BODY STYLES

MATERIALS OF CONSTRUCTION

Part description	Materials
Body	Brass
Spring chamber	Aluminum
Spring button	Brass
Pressure Spring	Steel
Diaphragm	NBR
Pressure plate	Brass
Pusher post button	Brass
Cylinder	Brass
Piston	Brass
Seat disc	NBR
Piston spring	Stainless steel
Strainer screen	Brass

DIMENSIONS

Description		Dimensions, in. (mm)			Shipping
Size, in. (mm)	Style	A	B	C	weight, lbs (kg)
¼ or ⅜ (8 or 10)	2-way, 3-way	2.25 (57.2)	3.50 (88.9)	0.81 (20.6)	1¾ (0.79)



TYPE A-16 (TWO-WAY)

CAPACITY INFORMATION

		Water (GPM)			Air (SCFM)		
Inlet - psig	Outlet - psig	A-31/A-16	A-360 ¼ in. (8 mm)	A-360 ½ in. (10 mm)	A-31/A-16	A-360 ¼ in. (8 mm)	A-360 ½ in. (10 mm)
25	15	1.2	1.5	2.0	8	13	17
50	40	1.2	1.5	2.0	8	13	17
	25	1.4	2.2	2.5	11	21	25
75	50	2.7	3.0	5.5	20	25	45
	25	3.0	3.5	3.5	14	27	32
100	75	2.8	3.0	5.7	28	25	48
	50	3.0	3.6	9.0	25	30	60
	25	3.0	3.6	3.5	25	35	41
125	100	2.8	3.0	5.7	28	25	45
	75	3.7	4.0	7.0	34	35	62
	50	3.2	4.0	5.2	34	40	78
150	100	3.7	4.0	7.0	34	35	62
	75	3.7	4.5	8.5	34	40	78
	50	3.2	4.8	10.5	27	45	95
	25	1.8	4.8	10.5	27	45	95
200	150	4.4	4.4	7.5	47	45	85
	100	4.2	4.5	10.0	38	45	95
	75	4.2	5.0	13.5	38	45	95
	50	4.2	5.0	13.5	38	45	95
300	150	4.7	5.0	13.5	54	45	110
	100	4.7	5.0	13.5	54	45	95
	50	4.7	5.0	13.5	54	45	95

NOTES

1. The capacity information in this table is for general application use representing average conditions. Where capacities and sizing are critical, consult your sales representative.
2. Types A-31 and A-16 provide the same capacity.
3. Capacity for ¼ and ⅜ in. (8 and 10 mm) Type A-360 same for Types A-361 and A-365.
4. Capacity for ½ in. (15 mm) Type A-360 same as Type A-361.
5. Capacities are based upon a 20% droop.
6. To obtain capacities for regulators using metal diaphragms, multiply the table values by 0.7

TYPES A-31, A-31S: COMPACT AND ECONOMICAL REGULATORS

Application
Types A-31 and A-31S pressure regulating valves are designed for installations in systems with initial pressures up to 300 psi (20.7 bar) and where space and cost limitations are important. The standard adjustment range is from 2 to 250 psi (0.14 to 17.2 bar) and the maximum operating temperature is 180°F (82°C). For higher temperature installations consult your sales representative.

These regulators are for use on water and air, suitable for drinking fountains, bubblers, water coolers, humidifiers, beer pumps, beverage dispensers, spray paint outfits, air tools, etc. They are also suitable for other liquids and gases if recommended by the factory; for specific advice, please write giving full details of your requirements.

Sizes
Types A-31 and A-31S are available in ⅛, ¼ and ⅜ in. (6, 8 and 10 mm) sizes and in various optional body styles.

Body styles
Type A-31: Two-way valve with one female inlet and opposite female outlet.
Type A-31S: Three-way valve with one female inlet and opposite female outlet plus either a left or right-hand side ⅛, ¼ or ⅜ NPT (6, 8 or 10 mm) gauge connection. Specify gauge connection required when ordering.

NOTE
Gauge connection designations are in relation to main valve inlet with valve in the upright position.

Optional balanced piston
The Type A-31 regulator can be furnished with a balanced piston construction for a small extra charge. This design is particularly effective in keeping the delivery pressure near constant when there are wide fluctuations in the inlet pressure.

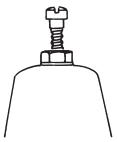
Pressure adjusting screws
Type A-31 and A-31S pressure regulators are fitted with an adjusting screw and hex lock nut as standard. They can also be supplied with either a T-handle or black plastic handwheel with wing lock nut arrangement at a small extra charge. The handwheels are particularly suited for panel mounted installations both for improved appearance as well as ease of making pressure adjustments.

Mounting accessories
These regulators can be equipped with a special bushing and nut for panel mounting.

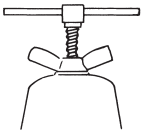
Special designs
Various modifications of the Type A-31 pressure regulating valve are available to meet specific applications.

TYPE A-31

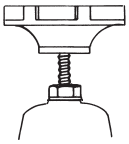
PRESSURE ADJUSTING SCREWS



Adjusting screw

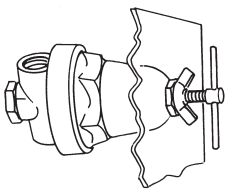


T-Handle



Handwheel (A31 only)

MOUNTING ACCESSORIES



Type A-31 (with bushing for panel mounting, T-handle or with handwheel)

SPECIFICATIONS

Type	Description					Maximum inlet pressure, psi (bar)	Adjustable range, psi (bar)	Temperature Range, °F (°C)
	Size, in. (mm)			Body style				
	⅛ (6)	¼ (8)	⅜ (10)	2-way	3-way			
A-31[1]	X	X	X	X		300 (20.7)	2 to 180 (0.14 to 12.4)	-40 to 180 (-40 to 82)
A-31S[1]	X	X	X		X	300 (20.7)	2 to 180 (0.14 to 12.4)	-40 to 180 (-40 to 82)

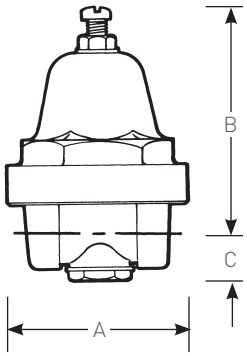
1. With Balanced Piston design option.

MATERIALS OF CONSTRUCTION

Part description	Materials
Body	Brass
Spring chamber	Brass or aluminum
Spring button	Brass
Pressure Spring	Steel or stainless steel
Diaphragm gasket	Brass
Diaphragm	NBR, Neoprene, Ethylene Propylene Rubber (EPR)
Pressure plate	Brass
Piston	Brass
Seat disc	NBR, Polytetrafluoroethylene (PTFE), Fluorocarbon (FKM)
Piston spring	Stainless steel

DIMENSIONS

Type	Dimensions, in. (mm)			Shipping weight, lbs (kg)
	A	B	C	
A31, A31S	2.30 (58.3)	3.29 (83.5)	0.59 (15.1)	1¼ (0.57)
A31, A31S balanced piston	2.30 (58.3)	3.29 (83.5)	0.84 (21.3)	1⅜ (0.62)



TYPE A-31

STANDARD SPRING RANGES, psig (bar)

Spring Material	Type	1	2	3	4	5	6	7
Steel	A16	2 to 30 (0.14 to 2.1)	10 to 50 (0.69 to 3.4)	25 to 90 (1.7 to 6.2)	80 to 120 (5.5 to 8.3)	100 to 180 (6.9 to 12.4)	- - - -	- - - -
	A31, A31S	2 to 30 (0.14 to 2.1)	10 to 50 (0.69 to 3.4)	30 to 90 (2.1 to 6.2)	80 to 120 (5.5 to 8.3)	100 to 180 (6.9 to 12.4)	- - - -	- - - -
	A31VR (in. Hg)	0 to 15 (0 to 0.5)	10 to 30 (0.34 to 1.0)	- - - -	- - - -	- - - -	- - - -	- - - -
SST	A31	2 to 15 (0.14 to 1.0)	2 to 25 (0.14 to 1.7)	15 to 65 (1.0 to 4.5)	40 to 100 (2.8 to 6.9)	50 to 150 (3.4 to 10.3)	75 to 175 (5.2 to 12.1)	100 to 250 (6.9 to 17.2)
	A31S	2 to 15 (0.14 to 1.0)	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -

A16, A31, A31S, A31VR SELECTION GUIDE

Example:	A16	-	A	W	S	A	S	B	B	F	02	-	D	1

Model
- **A16** Type A16
- **A31** Type A31
- **A31S** Type A31S
- **A31V** Type A31VR

Size
- **Y** ⅛ in. (6 mm) (Types A31, A31S)
- **A** ¼ in. (8 mm) (Types A16, A31, A31S, A31VR)
- **B** ⅜ in. (10 mm) (Types A16, A31, A31S)

Service
- **W** Water/air
- **V** Vacuum service (Type A31VR only)

Body/connection style
- **S** Side inlet/side outlet - straight thru (Types A16, A31)
- **R** Side inlet/side outlet - straight thru w/ right side gauge port (Type A31S only)
- **L** Side inlet/side outlet - straight thru w/ left side gauge port (Types A16, A31S)
- **B** Side inlet/bottom outlet w/ straight thru gauge connection (Type A31VR only)

Spring chamber material
- **A** Aluminum spring chamber (Types A16, A31, A31S)
- **Z** Brass spring chamber (Types A31, A32, A31VR)

Spring chamber style
- **S** Standard
- **N** Non-vented
- **P** Panel mount

Diaphragm material
- **B** NBR (Types A16, A31, A31S)
- **L** NBR w/ PTFE liner (Types A31, A31S)
- **N** Neoprene (Types A31, A31S)
- **T** Neoprene w/ PTFE liner (Types A31, A31S)
- **R** EPR (Types A31, A31S, A31VR)
- **F** EPR w/ PTFE liner (Types A31, A31S, A31VR)

Seat material
- **B** NBR (Types A16, A31, A31S)
- **T** PTFE (Types A31, A31S)
- **V** FKM (Types A31, A31S)
- **S** Silicone (Type A31VR only)
- **K** Perfluoroelastomer (FFKM) (Type A31VR only)

Pressure screw style
- **F** Fillister (Types A16, A31, A31S)
- **T** T-handle (Types A31, A31S)
- **H** Hex (Types A31, A31S)
- **K** Knurled (Type A31VR only)
- **W** Handwheel steel+plastic (Types A31, A31S)

Variation
- **01** Standard
- **02** Balanced piston (Types A31, A31S)
- **11** Standard variation w/ inlet screen (Type A31 only)
- **12** Balanced piston w/ inlet screen (Type A31 only)

Design revision
- **(-)** Original design

Spring material
- **D** Steel (Industrial or final line gas service only)
- **E** Stainless steel

Spring range

Refer to table above

TYPES A-360, A-361 AND A-365: ACCURATE REGULATION MEDIUM AND HIGH CAPACITY

Application

Types A-360, A-361 and A-365 pressure reducing regulating valves incorporate an aspirating action to give accurate regulation at high flow rates. Extreme fluctuations in the upstream or inlet pressure have little or no effect on the delivery or outlet pressure due to the balanced design. They are recommended for air, oils, water, gases and all non-corrosive fluids and are not for steam service. The maximum system operating temperature must not exceed 180°F (82°C).

Types A-360, A-361 and A-365 regulators are recommended for any installation requiring more flow and finer regulator control than the small ordinary regulator can provide. They may be operated in any position, horizontal or vertical.

Sizes

Types A-360 and A-361 are designed for systems with a maximum inlet pressure of 400 psi (27.6 bar) and allow delivery pressures to be adjusted from 0 to 250 psi (0 to 17.2 bar) depending on the spring used. They are available in ¼, ⅜ and ½ in. (8, 10 and 15 mm) sizes.

Type A-365 is designed for a maximum inlet pressure of 1100 psi (76 bar), while allowing for delivery pressures to be adjusted from 0 to 400 psi (0 to 27.6 bar). It is available in ¼ and ⅜ in. (8 and 10 mm) sizes only.

TYPE A-360, 365

TYPE A-361

SPECIFICATIONS

Type	Description					Maximum inlet pressure, psi (bar)	Adjustable range, psi (bar)	Temperature Range,°F (°C)
	Size, in. (mm)			Body style				
	¼ (8)	⅜ (10)	½ (15)	2-way	3-[1] or 4-way			
A-360	X	X	X	X		400 (27.6)	0 to 250 (0 to 17.2)	-40 to 180 (-40 to 82)
A-361	X[2]	X	X		X	400 (27.6)	0 to 250 (0 to 17.2)	-40 to 180 (-40 to 82)
A-365	X	X		X		1100 (75.9)	0 to 400 (0 to 27.6)	-40 to 180 (-40 to 82)

1. ¼ NPT pipe plug fitted for three-way applications
2. ¼ in. (8 mm) Type A-361 adjustable range can go up to 400 psi (27.6 bar)

TYPES A-360, A-361 AND A-365

Operation
Types A-360, A-361 and A-365 regulators produce maximum sensitivity to changes in demand or rate of flow, by the combination of long, responsive springs (see A) and a body port (B) past which fluid flowing at a higher velocity creates a suction or aspirating action. This materially reduces pressure in the chamber below the diaphragm (C), permitting wider valve opening resulting in higher capacity and closer regulation.

Type A-360 valves have a balanced internal piston design (D) to ensure stability of outlet pressure control despite widely varying inlet pressure conditions. An upper piston O-ring seal (E) is used to isolate the inlet pressure from the control chamber below the diaphragm and may be renewed easily from the top side by removing the O-ring retainer (two screws). All other operating parts below the diaphragm are accessible easily and removable readily through the bottom cap, which also employs an O-ring seal to preclude any leakage.

The renewable valve seat disc is of a high quality composition to provide tight closure as long as the seat is clean and free from damage. Closure against the inlet pressure ensures smooth, quiet performance.

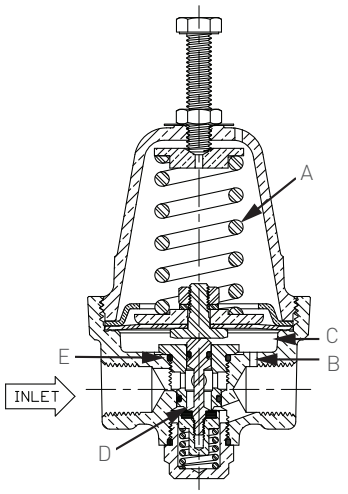
Accurate regulation
The balanced piston design maintains a near constant delivery pressure when there are wide fluctuations in the inlet pressure.

Body styles
Types A-360 and A-365 - Two-way valve with one female inlet and opposite female outlet.
Type A-361 - Adaptable for three-way or four-way use. The design incorporates one female inlet and opposite female outlet plus one left and one right-hand side ¼ NPT (8 mm) gauge connection. One ¼ NPT (8 mm) plug is furnished to convert from four-way to three-way use. The four-way design permits installation with either one inlet and three outlets or two inlets and two outlets, to provide for all combinations of gauging upstream or downstream pressures.

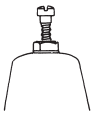
Pressure adjusting screws
The valves are fitted with an adjusting screw and lock nut as standard.
They may also be fitted with an optional tamper proof cap, a T-handle or a black plastic handwheel with lock nut.

Panel mounting
All versions may be equipped with a special bushing and wing nut to mount the valve securely to a control panel.

Replaceable seat disc, O-rings, diaphragm and piston
Simplicity of design means minimal, easy and low-cost maintenance with few integral parts required.

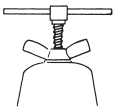


TYPE A-360, A-361 INTERIOR

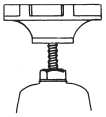


Adjusting screw

Tamper proof cap



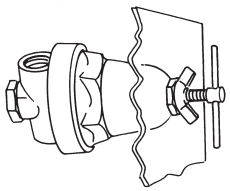
T-handle (A360 only)



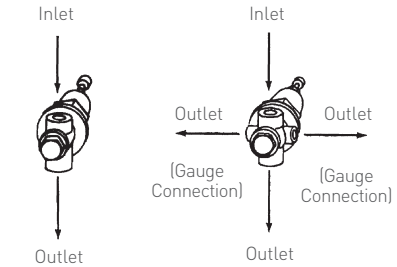
Handwheel (361 only)

OPTIONS

MOUNTING ACCESSORIES



Type A-31 (with bushing for panel mounting, T-handle or with handwheel)



Right hand outlet and left hand outlet gauge connections

Style 1 (two-way)

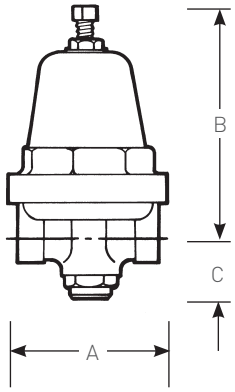
Style 2 (three-way or four-way)

BODY STYLES

MATERIALS OF CONSTRUCTION

Part description	Materials
Body	Brass
Spring chamber	Brass
Adjusting spring	Stainless steel
Diaphragm stop	Brass
Pressure plate	Brass
Diaphragm	NBR, Neoprene, EPR, FKM, Bronze
Pusher post button	Brass
Retainer plate[1]	Brass
Cylinder[2]	Stainless steel
Pusher post	Stainless steel
Seat disc	NBR, FKM, PTFE, Neoprene, EPR
Piston	Brass
Piston spring	Stainless steel
O-rings	NBR, FKM, Neoprene, EPR

1. Not available on Type A-365.
2. Available for Type A-365 only.



TYPE A-360, A-361, A-365

DIMENSIONS

	Description					Dimensions, in. (mm)			Shipping weight,
	Size, in. (mm)			Body style					
Type	¼ (8)	⅜ (10)	½ (15)	2-way	3- or 4-way	A	B	C	lbs (kg)
A-360	X			X		2.44 (62.0)	4.00 (102)	1.13 (28.6)	2 (0.91)
		X		X		2.44 (62.0)	4.00 (102)	1.13 (28.6)	2 (0.91)
			X	X		2.58 (65.5)	4.79 (122)	1.13 (28.6)	2½ (1.13)
A-361	X				X	2.44 (62.0)	4.00 (102)	1.13 (28.6)	2⅛ (0.96)
		X			X	2.44 (62.0)	4.50 (114)	1.13 (28.6)	2⅛ (0.96)
			X		X	2.88 (73.0)	4.50 (114)	1.63 (41.3)	2⅝ (1.19)
A-365	X			X		2.81 (71.3)	4.69 (119)	1.12 (28.6)	2 (0.91)
		X		X		2.81 (71.3)	4.69 (119)	1.12 (28.6)	2 (0.91)

STANDARD SPRING RANGES, psig (bar)

Spring Material	Type	Size, in. (mm)	1	2	3	4	5	6	7
SST	A360, A361	¼, ⅜ (8, 10)	0 to 5 (0 to 0.34)	2 to 35 (0.14 to 2.4)	20 to 70 (1.4 to 4.8)	60 to 125 (4.1 to 8.6)	75 to 200 (5.2 to 13.8)	100 to 250 (6.9 to 17.2)	- - - -
	A360, A361	½ (15)	0 to 5 (0 to 0.34)	2 to 25 (0.14 to 1.7)	20 to 60 (1.4 to 4.1)	40 to 80 (2.8 to 5.5)	75 to 125 (5.2 to 8.6)	100 to 250 (6.9 to 17.2)	- - - -
	A365	¼, ⅜ (8, 10)	0 to 40 (0 to 2.8)	40 to 80 (2.8 to 5.5)	25 to 150 (1.7 to 10.3)	100 to 200 (6.9 to 13.8)	200 to 250 (13.8 to 17.2)	200 to 400 (13.8 to 27.6)	- - - -

A360, A361, A365 SELECTION GUIDE

Example:	A360	A	W	S	Z	S	B	B	S	01	-	D	1

Model
A360 Type A360
A361 Type A361
A365 Type A365

Size
A ¼ in. (8 mm)
B ⅜ in. (10 mm)
C ½ in. (15 mm) (Types A360, A361)

Service
W Water/air

Body/connection style
S Side inlet / side outlet - straight thru (Types A360, A365)
X Side inlet / side outlet - straight thru w/ two ¼ NPT gauge ports (Type A361 only)

Spring chamber material
Z Brass spring chamber

Spring chamber style
S Standard
P Panel mount
D Differential connection and adjusting screw cap
C Adjusting screw cap

Diaphragm material
B NBR
L NBR w/ PTFE liner
N Neoprene
T Neoprene w/ PTFE liner
Z Bronze
V FKM
E EPDM

Seat material
B NBR
T PTFE
V FKM
N Neoprene
E EPDM

Pressure screw style
S Standard
T T-handle
H Hex

Variation
01 Standard

Design revision
(-) Original design

Spring material
E Stainless steel

Spring range
Refer to table above

NOTE
NPTF, also referred to as 'Dryseal' thread, is designed to provide a more leak-free seal without the use of PTFE tape or other sealant compound. NPTF threads are interchangeable with NPT threads and are standard on all Cash Valve products.