

CASH VALVES CRYOGENIC VALVES AND CONTROLS

A-36 PRESSURE REDUCING OR PRESSURE BUILD-UP SERVICE

Construction

Brass forged body and bronze spring chamber; bronze trim and diaphragms; PTFE seat disc and gaskets; stainless steel pressure spring. All parts are commercially cleaned for cryogenic service.

Note: Also available in stainless steel and special construction for hi-purity service. Contact your sales representative.

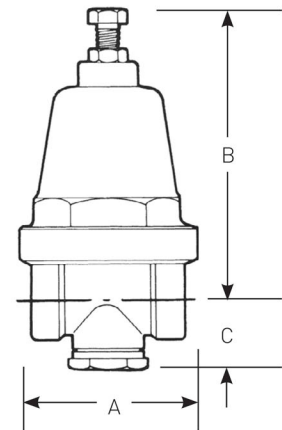
Temperature rating: +150°F to -320°F [339K to 78K]
 Maximum initial pressure: 600 psi [42.18 kg/cm²]

REDUCED PRESSURE RANGES

Maximum working ranges	
psi	(kg/sq cm)
10-30	(0.70-2.11)
20-50	(1.41-3.52)
40-80	(2.81-5.62)
75-150	(5.27-10.55)
100-250	(7.03-17.58)
High pressure construction only	
200-400	14.06-28.12

DIMENSIONS

Size	Dimensions				Shipping weight				
	A		B				C		
inches	(mm)	inches	(mm)	inches	(mm)	lbs	(kgs)		
3/8	(10)	2 7/16	(61.91)	4 1/2	(114.30)	1	(25.40)	2 1/2	(1.13)
3/8	(10)	2 7/16	(61.91)	4 1/2	(114.30)	1	(25.40)	2 1/2	(1.13)



A-401 PRESSURE REDUCING OR PRESSURE BUILD-UP SERVICE

Construction

Bronze body and bronze spring chamber; bronze trim and neoprene/nylon diaphragms; FKM seat disc and gaskets; stainless steel pressure spring. All parts are commercially cleaned for cryogenic service.

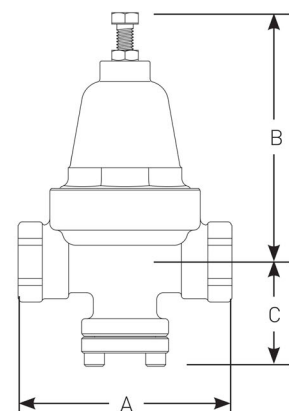
Temperature rating: +150°F to -320°F [339K to 78K]
 Maximum initial pressure: 600 psi [42.18 kg/cm²]

REDUCED PRESSURE RANGES

Maximum working ranges	
psi	(kg/sq cm)
20 to 60	(1.41 to 4.22)
40 to 80	(2.81 to 5.62)
75 to 125	(5.27 to 8.79)
100 to 250	(7.03 to 17.58)
200 to 400	(14.06 to 28.12)
High pressure construction only	
300 to 600	(21.09 to 42.18)

DIMENSIONS

Size	Dimensions				Shipping weight				
	A		B				C		
inches	(mm)	inches	(mm)	inches	(mm)	lbs	(kgs)		
1/2	(15)	4	(101.6)	4.64	(117.80)	1.95	(49.6)	4 1/2	(1.68)



CASH VALVES CRYOGENIC VALVES AND CONTROLS

MODELS A36, A401 SELECTION GUIDE

Example:	A36Z	B	C	S	Z	S	Z	T	H	01	-	E	1
Model													
A36Z	A36 (Bronze body)												
A36G	A36 (SST body)												
A401	A401												
Size													
B	3/8" (A36)												
C	1/2" (A401)												
Service													
C	Cryogenic												
F	Final line gas (A401)												
Body/connection style													
S	Side inlet/side outlet - straight thru NPT												
B	Side inlet/side outlet - straight thru BSPT												
Spring chamber material													
Z	Bronze spring chamber												
Spring chamber style													
S	Standard												
V	Vented												
Diaphragm material													
G	316 SST (A36)												
T	Neoprene w/ Teflon liner (A401 final line only)												
Z	Bronze												
Seat material													
T	Teflon												
V	Viton (A401 final line only)												
Pressure screw style													
H	Hex												
Variations													
01	Standard												
Design revision													
(-)	Original design												
Spring material													
E	Stainless steel												
Spring range	Refer to table below												

STANDARD SPRING RANGES (psig)

Spring Material	Type	1	2	3	4	5	6	7
SST	A36	10 - 30	20 - 50	40 - 80	75 - 150	100 - 250	200 - 400	300 - 600*
	A401	20 - 60	40 - 80	75 - 125	100 - 250	200 - 400	300 - 600	----

* Only available for Bronze body.