

A115 Series

Solenoid Shut-Off Automatic Control Valve

LEAD FREE



Job Name:	
Job Location:	
Engineer:	
Contractor:	
Tag:	
PO#:	
Rep:	
Wholesale Dist.:	

DESCRIPTION

The **A115 Solenoid Shut-Off Automatic Control Valve** has an extremely wide range of applications anywhere it is necessary to open and close a valve electrically.

A three-way solenoid, in one position, connects supply pressure to the main valve diaphragm chamber, causing the main valve to close. In the other position, the solenoid connects the diaphragm chamber to the atmosphere, allowing the valve to open fully. The pilot system is equipped with a needle valve that allows the opening and closing speed of the valve to be adjusted. The solenoid can be supplied for either energize-to-open or energize-to-close operation. **Proudly made in the USA.**

FEATURES

- Electrically Operated Solenoid Allows Valve to Open or Close
- Can be Maintained without Removal from the Line
- Adjustable Response Speed
- Factory Tested and Can be Preset to Your Requirements
- Exhaust-to-Atmosphere Operation Allows Minimum Pressure Loss

APPROVALS

- NSF/ANSI 372 Lead Free
- NSF/ANSI 61 Water Quality: 4" - 24"

SIZES

GLOBE/ANGLE

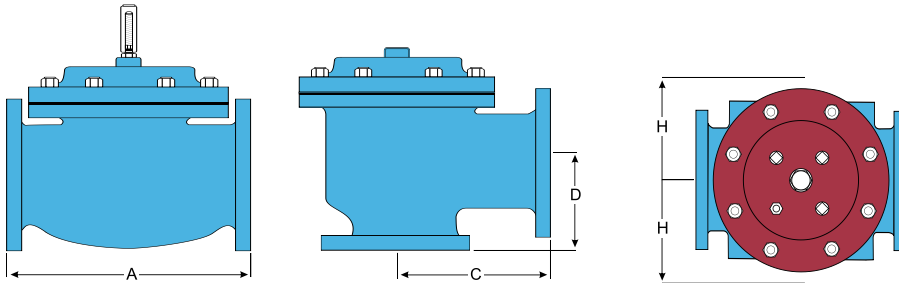
- Screwed Ends: 1-1/4" - 3"
- Grooved Ends: 1-1/2" - 4"
- Flanged Ends: 1-1/4" - 6"

STANDARD MATERIALS LIST

BODY/BONNET	Ductile Iron (epoxy coated), Carbon Steel (epoxy coated), Stainless Steel, Bronze <i>-Others available (consult factory)</i>
SEAT RING	Bronze, Stainless Steel
STEM	Stainless Steel, Monel
SPRING	Stainless Steel
DIAPHRAGM	Nylon Reinforced Buna-N, Viton, EPDM
SEAT DISC	Buna-N, Viton, EPDM
PILOT	Bronze, Stainless Steel Other pilot system components: Bronze/Brass -All Stainless Steel
TUBING & FITTINGS	Copper/Brass, Stainless Steel

MAXIMUM PRESSURE

END CONNECTIONS	DUCTILE IRON	STEEL/SS	BRONZE
Threaded	640 psi	640 psi	500 psi
Grooved	300 psi	300 psi	300 psi
150# Flanged	250 psi	285 psi	225 psi
300# Flanged	640 psi	740 psi	500 psi



DIMENSIONS (IN.)

DIM	END CONN.	1-1/4 - 1-1/2	2	2-1/2	3	4	6	8	10	12	14	16	24
A	Screwed	8-3/4	9-7/8	10-1/2	13	--	--	--	--	--	--	--	--
	Grooved	8-3/4	9-7/8	10-1/2	13	15-1/4	20	--	--	--	--	--	--
	150# Flanged	8-1/2	9-3/8	10-1/2	12	15	17-3/4	25-3/8	29-3/4	34	39	40-3/8	62
	300# Flanged	8-3/4	9-7/8	11-1/8	12-3/4	15-5/8	18-5/8	26-3/8	31-1/8	35-1/2	40-1/2	42	63-3/4
C Angle	Screwed	4-3/8	4-3/4	6	6-1/2	--	--	--	--	--	--	--	--
	Grooved	4-3/8*	4-3/4	6	6-1/2	7-5/8	--	--	--	--	--	--	--
	150# Flanged	4-1/4	4-3/4	6	6	7-1/2	10	12-11/16	14-7/8	17	--	20-13/16	--
	300# Flanged	4-3/8	5	6-3/8	6-3/8	7-13/16	10-1/2	13-3/16	15-9/16	17-3/4	--	21-5/8	--
D Angle	Screwed	3-1/8	3-7/8	4	4-1/2	--	--	--	--	--	--	--	--
	Grooved	3-1/8*	3-7/8	4	4-1/2	5-5/8	--	--	--	--	--	--	--
	150# Flanged	3	3-7/8	4	4	5-1/2	6	8	11-3/8	11	--	15-11/16	--
	300# Flanged	3-1/8	4-1/8	4-3/8	4-3/8	5-13/16	6-1/2	8-1/2	12-1/16	11-3/4	--	16-1/2	--
E	ALL	6	6	7	6-1/2	8	10	11-7/8	15-3/8	17	18	19	27
H	ALL	10	11	11	11	12	13	14	17	18	20	20	28-1/2

* Grooved end not available in 1-1/4".

*LEAD FREE: The wetted surfaces of this product shall contain no more than 0.25% lead by weighted average. Complies with Federal Public Law 111-380. ANSI 3rd party approved and listed.

PART NUMBER MATRIX

A115	G	001	020	1	1	1	3
MODEL NUMBER	VALVE TYPE/ CONNECTION FULL PORT	SERIES EXTENSION	VALVE SIZE FULL PORT	BODY & BONNET MATERIAL	SEAT RING MATERIAL	PILOT, FITTINGS, TUBE	ELASTOMERS
A115 - STANDARD	A - ANGLE/FLANGED ANSI CLASS 150	001 - THREE-WAY SOLENOID	012 - 1-1/4"	1 - DUCTILE IRON NSF 61 EPOXY COATED	1 - BRONZE B61	1 - PILOT: SS FITTINGS: BRASS TUBE: CU	3 - EPDM (STANDARD NSF-61)
		002 - TWO-WAY SOLENOID	015 - 1-1/2"		2 - STAINLESS STEEL		
	B - ANGLE/FLANGED ANSI CLASS 300	003 - POSITIONED VALVE	020 - 2"	2 - CAST STEEL		8 - PILOT: SS FITTINGS: SS TUBE: SS	
			025 - 2-1/2"	5 - B61 BRONZE			
	C - ANGLE/THREADED (1-1/4" - 3")		030 - 3"	7 - STAINLESS STEEL		9 - PILOT: BRONZE FITTINGS: SS TUBE: SS	
			040 - 4"				
	E - ANGLE/GROOVED ENDS (1-1/2" - 4")		060 - 6"				
	F - ANGLE/FLANGED CLASS 300 X CLASS 150						
	G - GLOBE/FLANGED ANSI CLASS 150 (FULL & REDUCED PORT)						
	H - GLOBE/FLANGED ANSI CLASS 300 (FULL & REDUCED PORT)						
	J - GLOBE/THREADED ENDS (1-1/4" - 3")						
	V - GLOBE/GROOVED ENDS (1-1/2" - 4")						

HOW TO ORDER YOUR A108 VALVE

When Ordering Please Provide:

- Fluid to be Controlled
- Model Number
- Size
- Trim Material
- Pressure Setting or Spring Range
- Special Requirements / Installation Requirements

For maximum efficiency, the OCV control valve should be mounted in a piping system so that the valve bonnet (cover) is in the top position. Other positions are acceptable but may not allow the valve to function to its fullest and safest potential. In particular, please consult the factory before installing 8" and larger valves, or any valves with a limit switch, in positions other than described. Space should be taken into consideration when mounting valves and their pilot systems.

A routine inspection & maintenance program should be established and conducted yearly by a qualified technician.