"Apollo"® Valves
SUBMITTAL SHEET

A727 Series

Pressure Reducing Automatic Control Valve Reduced Port Design

LEAD FREE

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

DESCRIPTION

The A727 Pressure Reducing Automatic Control Valve has a wide range of applications: anywhere a pressure must be reduced to a manageable level.

The normally open, spring loaded pilot, sensing downstream pressure, responds to changes in pressure and causes the main valve to do the same. The net result is a constant modulating action of the pilot and main valve to hold the downstream pressure constant. The pilot system is equipped with an opening speed control that fine tunes the valve response to the system variables. **Proudly made in the USA.**

FEATURES

- Reduces a Higher Inlet Pressure to a Lower Outlet Pressure
- Constant Outlet Pressure Over Wide Flow Range
- Pilot-Operated Main Valve Not Subject to Pressure Fall Off
- Outlet Pressure is Adjustable with Single Screw
- Can be Maintained without Removal from the Line
- Adjustable Opening/Response Speed
- Factory Tested and Can be Preset to Your Requirements

APPROVALS

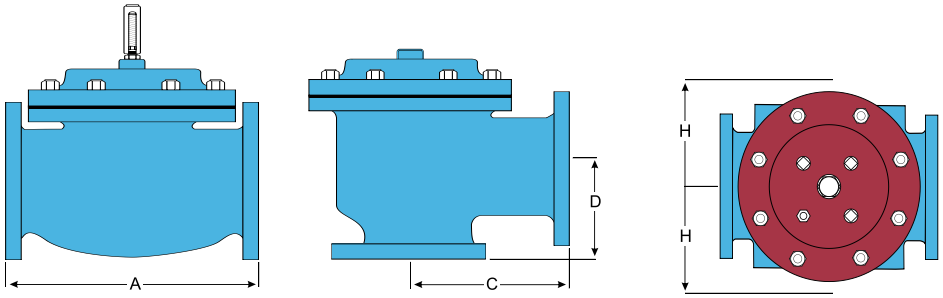
- NSF/ANSI 372 Lead Free
- NSF/ANSI 61 Water Quality: 4" - 24"

SIZES

- 150# Flanges: 250 psi
- 300# Flanges: 640 psi

STANDARD MATERIALS LIST

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



DIMENSIONS (IN.)

DIM	ANSI CLASS	VALVE SIZE									
		3	4	6	8	10	12	16	18	20	24
A	150# FLANGED	10-1/2	13-1/2	15-1/2	21-5/8	26	30	34-1/2	48	48	48
	300# FLANGED	10-7/8	14-1/8	16-3/8	22-5/8	27-3/8	31-1/2	36-5/8	49-5/8	49-5/8	49-3/4
E	ALL	6	6-1/2	8	10	11-7/8	15-3/8	17	19-	19	19
F (opt.)	ALL	3-7/8	3-7/8	3-7/8	3-7/8	6-3/8	6-3/8	6-3/8	6-3/8	6-3/8	6-3/8
H	ALL	11	11	12	13	14	17	18	20	20	20

**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.*

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PART NUMBER MATRIX

A727	G	003	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
A727 - STANDARD (REDUCED PORT)	G - GLOBE/FLANGED ANSI CLASS 150 (FULL & REDUCED PORT)	002 - PRESSURE REDUCING/ PRESSURE SUSTAINING	030 - 3"	1 - DUCTILE IRON NSF 61 EPOXY COATED	1 - BRONZE B61	1 - PILOT: SS FITTINGS: BRASS TUBE: CU	3 - EPDM (STANDARD NSF-61)
			040 - 4"		2 - STAINLESS STEEL		
		003 - PRESSURE REDUCING VALVE	060 - 6"			8 - PILOT: SS FITTINGS: SS TUBE: SS	
	H - GLOBE/FLANGED ANSI CLASS 300 (FULL & REDUCED PORT)	3LF - PRESSURE REDUCING WITH LOW FLOW BYPASS	080 - 8"				
						9 - PILOT: BRONZE FITTINGS: SS TUBE: SS	
		004 - PRESSURE REDUCING AND CHECK VALVE					
		005 - PRESSURE REDUCING AND SURGE CONTROL					
		080 - PRESSURE REDUCING AND SOLENOID SHUT-OFF					

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.