

# CHECK VALVE 2 1/2" MODEL CVA

Groove/Groove



Listed by: Underwriters Laboratories Inc.  
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Approved by: Factory Mutual

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# "ASTRA" 2 1/2" SWING CHECK VALVE MODEL CVA RATED - 250 P.S.I. WORKING PRESSURE

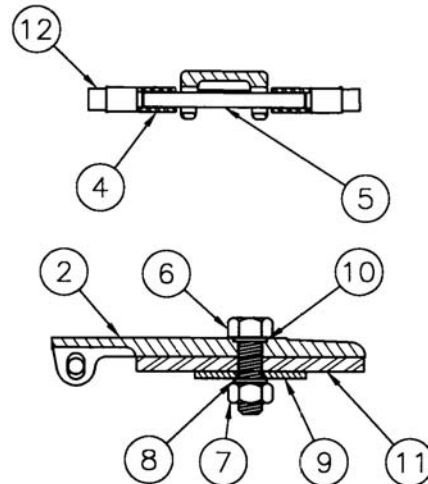
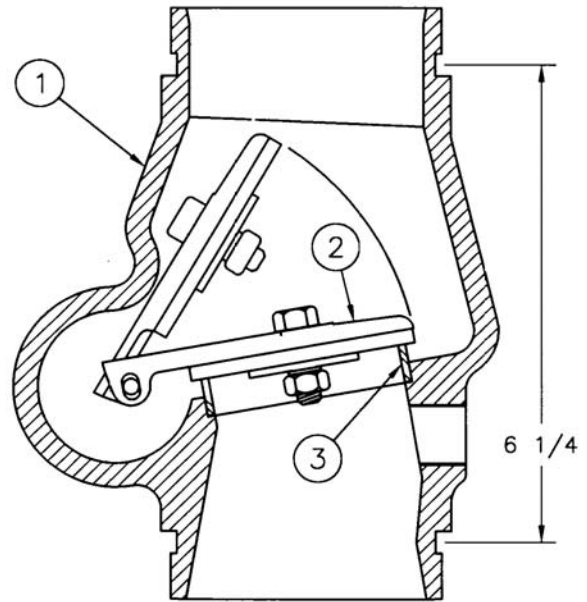
## DESCRIPTION AND OPERATION

The Astra Model CVA Grooved Ends Swing Check Valve has a lightweight high density cast iron body and solid bronze rubber faced swing clapper. The grooved ends make for a clean, fast, and easy installation using only lubricant and a socket wrench. This type of connection provides for expansion and contraction allowance, joint deflection to compensate for misalignment, and an installed cost savings of 10% to 30%.

The Astra Model CVA Check Valves are designed for installation in the water piping of fire protection systems, where the working pressure does not exceed 250 psi. The check valves are gravity operated and can be installed in a vertical or horizontal position. The Model CVA Check Valve is installed with standard steel pipe with cut grooves, or lightwall steel pipe with rolled grooves, using two standard rubber-gasketed grooved couplings. A 1/2" NPT connection is provided at the bottom of the check valve inlet for a 1/2" ball drip available upon request.

### Parts list

ITEM	DWG No	DESCRIPTION
1	CVA 250-02	Body
2	CVA 250-07	Clapper
3	CVA 250-04	Water seat
4	CVA 250-13	Bushing
5	CVA 250-11	Clapper pin
6	CVA 250-09	Bolt
7	CVA 250-09	Nut
8	CVA 250-09	Lockwasher
9	CVA 250-14	Seal retainer
10	CVA 250-08	O' Ring
11	CVA 250-10	Clapper gasket
12	CVA 250-12	Plug



2 1/2" Check Valve Model CVA	
Face to face	7 1/32"
Weight	9 lbs

Technical Data Friction loss	
	0.59 P.S.I. @ 100 G.P.M.
	2.79 P.S.I. @ 200 G.P.M.
	3.78 P.S.I. @ 250 G.P.M.
	5.38 P.S.I. @ 300 G.P.M.

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