

TWO WAY - NORMALLY CLOSED

V710 Valve Body

Pipe Sizes 3/4" to 3" NPT, 4" Flange

ASCO® General Controls
V710
SERIES

General Description

These 2 way normally closed globe type valve bodies are designed for on/off or proportional control of commercial or industrial gas burners. The V710 is designed exclusively for use with the AH Hydramotor actuator. The AH Hydramotor valve consists of two assemblies; the valve body and the AH Hydramotor actuator.

The V710 is a Push-to-Open valve which opens when the valve stem is depressed by an AH Hydramotor actuator. An internal return spring closes the valve when the Hydramotor actuator is de-energized.

Model Types:

Quick Opening Trim: (Standard)

For applications where metered flow control is not required.

Quick Opening w/Valve Seal Overtravel Trim: (Suffix V22)

For any "on-off" application where the user, code or approval agency requires a valve seal overtravel arrangement.

Linear Trim: (Suffix V15)

For applications that require flow control, such as slow opening, low fire turn down, or proportional control.

Linear w/Valve Seal

Overtravel Trim: (Suffix V25)

For applications where both valve seal overtravel and flow control are required. (Not available in 4" pipe sizes.)

Specifications:

Pressure Taps: two 1/4" NPT downstream, two 1/4" NPT upstream.

Fluid: Fuel Gas

Valve Parts in Contact with Fluid:

Body - 3/4" to 3" NPT -

Die-cast aluminum

4" Flange - cast iron

Bonnet - Die-cast aluminum

Seals - Nitrile

Springs - Zinc-plated music wire

Stem Bushing - Delrin

Valve Stem - 303 s.s.

Retaining Pin - 303 s.s.

Retaining Ring - 17-7 s.s.

Pipe Plugs - Zinc-plated steel

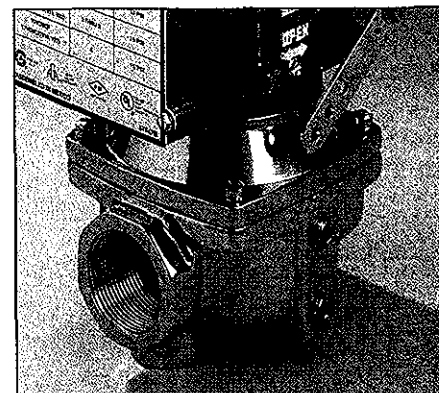
Seal Ring - Teflon (models with overtravel)

Closeoff Pressure: 25 psi maximum

Installation:

V710 valve body mounts in any position directly to the AH2

Hydramotor actuator.



Series V710 Valve Body with AH Hydramotor

Approvals:

V710 Valve with AH hydramotor.

File # MP932, Vol.17, Sec. 3; Safety Valves

Report # L2105011; Automatic Safety Shut-off Valves

Report # L2105011; Automatic Valves

JI 3000606 Gas Safety Shut-off Valves

Ordering Information:

Important: Order by Catalog Number .

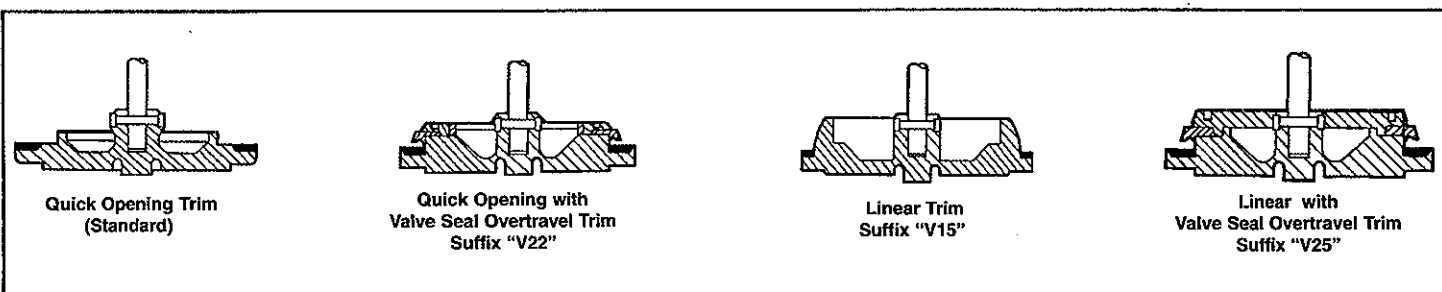
e.g. V710EASV22

Specifications

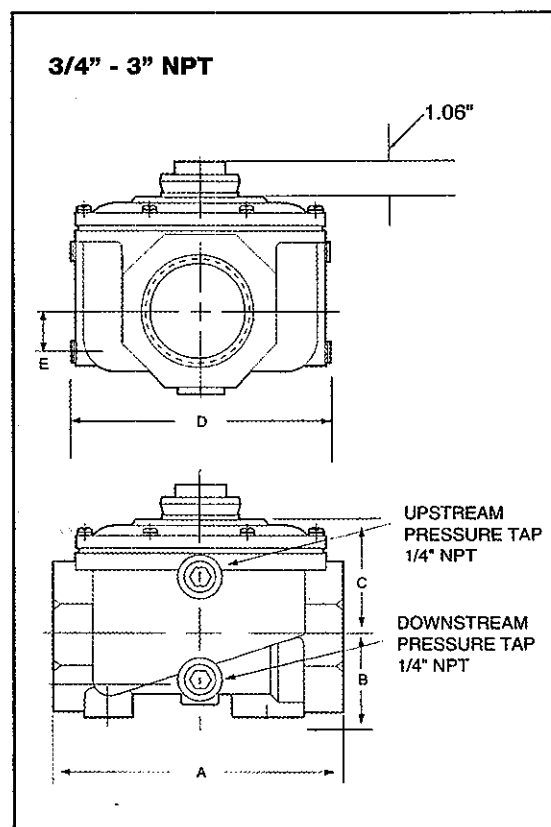
Pipe Size (ins.)	Minimum Cv Flow Factor	Minimum Gas Capacity* Btu/hr	Operating Pressure Differential (psi)		Fluid & Ambient Temperature °F		Catalog Numbers			
			Min.	Max.	Min.	Max.	Quick Opening Trim	Quick Opening w/Valve Seal Overtravel Trim	Linear Trim	Linear w/Valve Seal Overtravel Trim
NORMALLY CLOSED (Closed when released)										
3/4	12	665,000	0	15	-40	150	V710EAS	V710EASV22	V710EASV15	V710EASV25
1	17	960,000	0	15	-40	150	V710FAS	V710FASV22	V710FASV15	V710FASV25
1 1/4	25	1,406,000	0	15	-40	150	V710GAS	V710GASV22	V710GASV15	V710GASV25
1 1/2	30	1,717,000	0	15	-40	150	V710HAS	V710HASV22	V710HASV15	V710HASV25
2	64	3,620,000	0	10	-40	150	V710JAS	V710JASV22	V710JASV15	V710JASV25
2 1/2	75	4,250,000	0	10	-40	150	V710KAS	V710KASV22	V710KASV15	V710KASV25
3	92	5,230,000	0	10	-40	150	V710LAS	V710LASV22	V710LASV15	V710LASV25
4	180	10,200,000	0	15	-40	150	V710NCF	V710NCFV22	V710NCFV15	N/A

* 1" W. C. Drop @ 2" W. C. Inlet Pressure, 1,000 Btu/Cu. Ft or more, 0.64 Spec. Grav. Gas

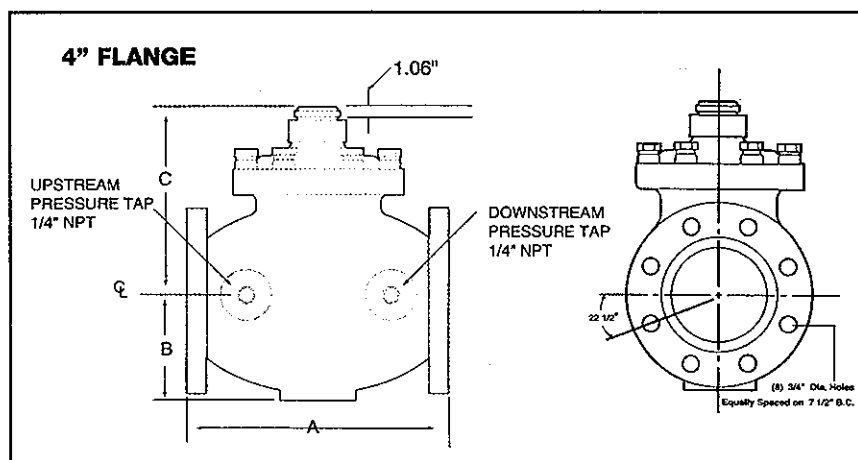
Trim Types



Dimensions - inches



Dimensions (inches)						Shipping Weight (lbs)
Pipe	A	B	C	D	E	
3/4	5.78	1.95	2.64	5.19	1.16	4.0
1	5.78	1.95	2.64	5.19	1.16	4.0
1 1/4	5.78	2.01	2.94	5.19	0.70	4.2
1 1/2	5.78	2.01	2.94	5.19	0.70	4.2
2	8.12	2.66	3.05	8.01	0.96	9.5
2 1/2	9.00	2.96	3.87	8.01	0.70	13
3	9.00	2.96	3.87	8.01	0.70	12
4	13.88	5.00	7.40	9.00	0.00	100



ASCO Valves - The Americas

Automatic Switch Co.
Hanover Rd., Florham Park, NJ 07932
Tel: (973) 966-2000 Fax: (973) 966-2628
website: www.ascos.com

ASCO / General Controls
Valencia, CA 91355
Tel: (805) 294-1770
Fax: (805) 294-1766

ASCOELECTRIC limited
Brantford, Ontario N3T 5M8
Tel: (519) 758-2700
Fax: (519) 758 5540

ASCOMATICA, S. A. de C.V.
Mexico City, D. F. CP11700
Tel: (52) 5-596-77-41
Fax: (52) 5-596-77-19

ASCOVAL, Ind E Com Ltda.
06465-030 Barueri, São Paulo, Brazil
Tel: (55) 11-421-5333
Fax: (55) 11-421-5185