



Hazardous Locations
Actuated Globe Valve Assembly
 Bronze or Stainless Steel Bodies • 1/2" to 2" NPT

2/2
 SERIES
 HV285301
 HV285368

Features

- Three ASCO products assembled together for an economical, durable, and complete valve control package solution.
- Versatile, proven, and reliable ASCO 8290 Series angle body process valve, in bronze or 316L stainless steel bodies.
- A cost effective alternative to an actuated ball valve assembly.
- Process valve pipe sizes from 1/2" to 2" NPT
- HS linear position indicator with open and closed limit switches.
- 8320 Series pilot valve to actuate the 8290 piston operating head.
- HS Series position indicator with ASCO's patented switch mechanism, pat. #6,742,541.
- Explosionproof, Div. 1 rated components for hazardous locations.
- Slip-lok™ conduit connection for easy removal and maintenance of electrical connections.



Construction

	8290 Process Valve		HS Position Indicator	Pilot Valve	
Product Reference Number	See below		HS1N2NAA2NGA	EF8320G184	EF8320G202
Body	Bronze	316L S.S.	Black Hard Anodized Aluminum	Brass	Stainless Steel
Catalog Page Reference (for further details)	Catalog 33A page 7.011		VMS catalog	Catalog 33A page 3.20	

Specifications

Pipe Size (ins.)	Orifice Dia. (ins.)	Cv Flow	Operating Pressures (psi)			Max. Fluid Temp. °F	Pilot Pressure		Bronze Valve Ref.	Assembly Order Code	Stainless Steel Valve Ref.	Assembly Order Code
			Min.	Fluids	Steam		Min.	Max.				
63 mm Operator												
Normally Closed - Entry under the disc												
1/2	1/2	5.7	0	240	150	366	60	150	8290B002	HV285301001	8290B045	HV285301007
3/4	3/4	11	0	240	150	366	60	150	8290B005	HV285301002	8290B048	HV285301008
1	1	19	0	150	150	366	60	150	8290B010	HV285301003	8290B053	HV285301009
1 1/4	1 1/4	32	0	90	90	366	60	150	8290A016	HV285301004	8290A059	HV285301010
1 1/2	1 1/2	52	0	60	60	366	60	150	8290A020	HV285301005	8290A063	HV285301011
2	2	68	0	40	40	366	60	150	8290A024	HV285301006	8290A067	HV285301012
90 mm Operator												
Normally Closed - Entry under the disc												
1	1	19	0	240	150	366	60	150	8290B011	HV285368001	8290B054	HV285368005
1 1/4	1 1/4	32	0	150	150	366	60	150	8290A017	HV285368002	8290A060	HV285368006
1 1/2	1 1/2	52	0	120	120	366	60	150	8290A021	HV285368003	8290A064	HV285368007
2	2	68	0	90	90	366	60	150	8290A025	HV285368004	8290A068	HV285368008
Pilot Valve												
1/4	3/32	.12	0	150	-	200	-	-	EF8320G184 120/60 ①	-	EF8320 202 120/60 ②	-

① Used with bronze body 8290. ② Used with stainless steel body 8290.

Specifications for HS Indicator

Series	Hazardous Classified Location	Shaft	Conduit	Indicator	Change Letter	Switches	# of Switches	Network/Bus	Connector
HS1 Series Type 4,4X Indoor/Outdoor	Explosionproof: Class1/Div.1/A,B,C,D/T6 Dust Ignition Proof: Class2,3/Div.1/E,F,G/T6 Ambient Temp. = 77°C/170°F	N = ASCO 8290	2 = (2) 3/4 FNPT	N = None	A	A = Mech SPDT Silver 15A	2 = Two	NG = None	A = Threaded Conduit
HS1		N	2	N	A	A	2	NG	A

Dimensions for Assembly: inches

Bronze Model Number	Stainless Steel Model Number	A	B	C	D	E	F	G
HV285301001	HV285301007	1/2	11.22	12.45	11.85	2.56	1.06	4.42
HV285301002	HV285301008	3/4	11.32	12.55	11.95	2.95	1.26	4.42
HV285301003	HV285301009	1	11.72	12.95	12.15	3.54	1.61	4.42
HV285301004	HV285301010	1 1/4	13.06	14.26	13.28	4.33	1.97	4.42
HV285301005	HV285301011	1 1/2	13.34	14.89	13.71	4.72	2.36	4.42
HV285301006	HV285301012	2	14.32	15.45	14.07	5.90	2.76	4.42
HV285368001	HV285368005	1	12.09	13.41	12.61	3.54	1.61	4.42
HV285368002	HV285368006	1 1/4	13.66	14.60	13.60	4.33	1.97	4.42
HV285368003	HV285368007	1 1/2	13.78	15.22	14.04	4.72	2.36	4.42
HV285368004	HV285368008	2	14.96	15.78	14.40	5.91	2.76	4.42

- 1 - Piston operating head
- 2 - HS Series linear position indicator
- 3 - HS to 8290 adapter plate
- 4 - 8320 pilot valve body
- 5 - Pilot valve solenoid coil

