



General Service  
**Actuated Globe Valve Assembly**  
 Bronze or Stainless Steel Bodies • 1/2" to 2" NPT

**2/2**  
 SERIES  
 HV283175  
 HV285566

### 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
- High visibility 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.



### Construction

	8290 Process Valve		HS Position Indicator	Pilot Valve	
Product Reference Number	See below		HS4N1YAA2NGA	SC8320G184	SC8320G202
Body	Bronze	316L S.S.	Valox 364 (PBT)	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.				
<b>63 mm Operator</b>												
<b>Normally Closed - Entry under the disc</b>												
1/2	1/2	5.7	0	240	150	366	60	150	8290B002	HV283175008	8290B045	HV283175014
3/4	3/4	11	0	240	150	366	60	150	8290B005	HV283175009	8290B048	HV283175015
1	1	19	0	150	150	366	60	150	8290B010	HV283175010	8290B053	HV283175016
1 1/4	1 1/4	32	0	90	90	366	60	150	8290A016	HV283175011	8290A059	HV283175017
1 1/2	1 1/2	52	0	60	60	366	60	150	8290A020	HV283175012	8290A063	HV283175018
2	2	68	0	40	40	366	60	150	8290A024	HV283175013	8290A067	HV283175019
<b>90 mm Operator</b>												
<b>Normally Closed - Entry under the disc</b>												
1	1	19	0	240	150	366	60	150	8290B011	HV285566001	8290B054	HV285566005
1 1/4	1 1/4	32	0	180	150	366	60	150	8290A017	HV285566002	8290A060	HV285566006
1 1/2	1 1/2	52	0	120	120	366	60	150	8290A021	HV285566003	8290A064	HV285566007
2	2	68	0	90	90	366	60	150	8290A025	HV285566004	8290A068	HV285566008
<b>Pilot Valve</b>												
1/4	3/32	.12	0	150	-	200	-	-	SC8320G184 120/60 ①	-	SC8320G202 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
<b>HS4 Series</b> Type 4,4X Indoor IP-66 Indoor/Outdoor	Non-hazardous	N = ASCO 8290	1 = (2) 1/2 FNPT	Y = Yel/Black	A	A = Mech SPDT Silver 15A	2 = Two	NG = None	A = Threaded Conduit
<b>HS4</b>		<b>N</b>	<b>1</b>	<b>Y</b>	<b>A</b>	<b>A</b>	<b>2</b>	<b>NG</b>	<b>A</b>

### Dimensions for Assembly: inches

Bronze Model Number	Stainless Steel Model Number	A	B	C	D	E	F	G
HV283175008	HV283175014	1/2	9.7	11.38	10.78	2.56	1.06	4.62
HV283175009	HV283175015	3/4	9.8	11.48	10.88	2.95	1.26	4.62
HV283175010	HV283175016	1	10.20	11.88	11.08	3.54	1.61	4.62
HV283175011	HV283175017	1 1/4	11.54	13.19	12.21	4.33	1.97	4.62
HV283175012	HV283175018	1 1/2	11.82	13.83	12.65	4.72	2.36	4.62
HV283175013	HV283175019	2	12.80	14.38	13.0	5.9	2.76	4.62
HV285566001	HV285566005	1	10.97	11.95	11.15	3.54	1.61	4.62
HV285566002	HV285566006	1 1/4	12.13	13.26	12.26	4.33	1.97	4.62
HV285566003	HV285566007	1 1/2	12.41	13.89	12.71	4.72	2.36	4.62
HV285566004	HV285566008	2	13.39	14.45	13.07	5.90	2.76	4.62

- 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
- 6 - DIN plug connector

