



Automatic Brass Globe Valve (AGV)

Features

- Rated up to 200 PSI
- Solid bronze construction
- 24 volt, water-proof solenoid coil with 360 degree rotation
- Slow closing feature eliminates water hammer, surging, and noise
- Manual operation in the event of power failure
- Cross handle flow control standard on 1" - 2" sizes
- Self-cleaning orifice
- One-piece molded diaphragm with O-ring seal reinforced with 600lb. test fabric
- Three year warranty against defective parts and workmanship
- Available in 3/4" - 2" sizes
- Also available in plastic (PAGV 3/4" and 1")



AGV

Electrical Specifications

Standard 24 VAC solenoid

In-rush current: 45A (10.8 VA)

Holding current: .27A (6.5 VA)

Operating Range:

- Flow: 5-300 GPM
- Pressure: 20-200 PSI

DIMENSIONS					
IPS SIZE	3/4"	1"	1 1/4"	1 1/2"	2"
HEIGHT	4"	4 3/4"	5 1/2 "	6 1/2"	7"
LENGTH	3 1/4"	4 1/2"	5"	6"	6 7/8"

PRESSURE LOSS IN PSI												
GPM	5	10	15	20	30	40	50	60	70	80	90	100
3/4"	6.2	5.2	9.8	15.3								
1"	1.5	1.9	2.3	2.5	5	9.0	12					
1 1/4"	2.5	2.6	2.6	2.8	3.1	4.0	5.6	7.9	10.5	14	16	

PRESSURE LOSS IN PSI													
GPM	20	30	40	50	60	70	80	90	100	120	140	160	
1 1/2"	4.2	4.3	4.4	4.9	5.5	8	10.7	12.6	15.5	19.6			
2"	2	2.3	2.4	2.8	3.1	3.5	4.4	5.0	6.3	8.9	11.9	14.7	

Notes & Recommendations:

1. Loss values apply to flow control being fully open.
2. Recommend flow rate in supply line not to exceed 7.5 ft/sec to reduce effects of water hammer.
3. Recommend for flows below 5 gpm, use of upstream filtration to prevent debris collecting below diaphragm.
4. Recommend flow control stem be turned down two full turns from fully open position for flows below 10 gpm.