



220G Brass Series Valves

Specifications

Operational

- **Flow Range:**
 - 1" model: 1 to 40 gpm
 - 1¼" model: 20 to 100 gpm
 - 1½" model: 20 to 120 gpm
 - 2" model: 30 to 170 gpm
- **Operating Pressure:** 10 to 220 psi
- **Pressure Regulating:**
 - Outlet (EZR-100): 5 to 100 psi \pm 3
 - Minimum flow requirement of 5 gpm
- **Minimum Pressure Differential** (between inlet and outlet) **for Pressure Regulation:**
 - 1", 1¼", and 1½" models: 10 psi
 - 2" models: 20 psi
- **Burst Pressure Safety Rating:** 750 psi
- **Body Styles:**
 - Globe orientation – 1", 1¼", 1½", and 2" models, female threads

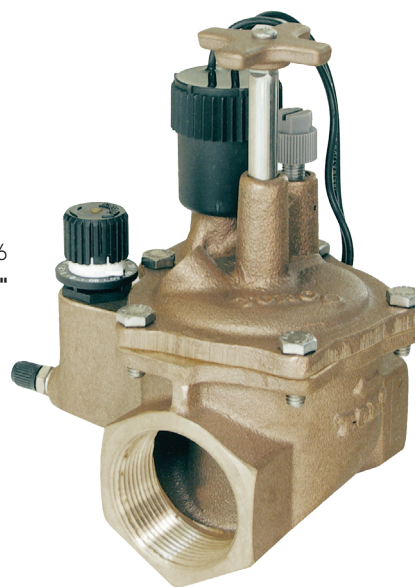
Warranty

- Five years

Dimensions

- 1" model: 5 ¼" H x 5" W
- 1¼" model: 6 ½" H x 6" W
- 1½" model: 6 ½" H x 6" W
- 2" model: 7 ½" H x 7" W

220G-27-06
1½"



Additional Features

- ✓ EZReg® Pressure Regulator can be installed as a service kit without having to drain the main line
- ✓ Pressure regulates in electric or manual modes, and is serviceable under pressure
- ✓ Built-in Schrader-type valve is standard on all models for fast downstream pressure verification
- ✓ Manual Flow Control; adjustable to full shut-off
- ✓ Robust, double-beaded, fabric-reinforced rubber diaphragm
- ✓ Commercial-grade 316 Stainless Steel stem for maximum corrosion resistance



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220G Brass Series Model List

Model	Description
Pressure Regulated with EZREG®	
220G-27-04	1" Inlet/Outlet; Globe
220G-27-05	1 1/4" Inlet/Outlet; Globe
220G-27-06	1 1/2" Inlet/Outlet; Globe
220G-27-08	2" Inlet/Outlet; Globe

220G-27-04

1"



220G Brass Series Pressure Loss Data

Model	Type	Gallons Per Minute																		
		5	10	15	20	30	40	50	60	70	80	100	120	150	170	180	200	250	300	350
1"	Electric	1.8	2.0	2.2	3.1	5.1	7.8													
1 1/4"	Electric				1.9	2.5	2.7	3.5	4.1	5.6										
1 1/2"	Electric				2.2	2.5	2.8	3.1	3.8	5.0	6.6									
2"	Electric					3.1	3.2	2.9	3.0	3.3	3.4	4.5	6.6	10.1	13.5	14.9				

Notes: For optimal performance when designing a system, it is recommended that total Pressure Loss be calculated to ensure sufficient downstream pressure. For optimum pressure regulation performance, size regulating valves towards the higher flow ranges. Flow rates are recommended not to exceed 5 psi loss.

Specifying Information — 220G Brass Series

220G-27-0XXX			
Type	Body Style	Size	Optional
220G	27	0X	XX
220G—220G Brass Series Valve	27—NPT, Pressure-regulated (5–100 psi)	4—1" 5—1 1/4" 6—1 1/2" 8—2"	DL—Latching Solenoid for 2-wire LSM Systems E—Effluent
Example: A 1" NPT pressure-regulated, 220G Brass Series Valve with 60 Hz solenoid, would be specified as: 220G-27-04			