

## Features

- Wide range of pressure ratings, sizes, and resilient materials provide long service life and low internal leakage
- High flow valves for liquid, corrosive, and air/inert gas service
- Lead-free versions available for Safe Drinking Water Act Compliance
- Industrial applications include:
  - Car wash
  - Laundry equipment
  - Air compressors
  - Industrial water control
  - Pumps

## Construction

Valve Parts in Contact with Fluids		
Body	Brass	304 Stainless Steel*
Seals and Discs	NBR or PTFE	
Disc-Holder	PA	
Core Tube	305 Stainless Steel	
Core and Plugnut	430F Stainless Steel	
Springs	302 Stainless Steel	
Shading Coil	Copper	Silver

\*Catalog Numbers 8210G127, 8210G129, 8210G132, 8210G133 have 316L Stainless Steel bodies.

## Electrical

Standard Coil and Class of Insulation	Watt Rating and Power Consumption				Spare Coil Part Number			
	DC Watts	AC			General Purpose		Explosionproof	
		Watts	VA Holding	VA Inrush	AC	DC	AC	DC
F	-	6.1	16	40	238210	-	238214	-
F	11.6	10.1	25	70	238610	238710	238614	238714
F	15.8	-	-	-	-	501695	-	501696
F	16.8	16.1	35	180	272610	97617	272614	97617
F	-	17.1	40	93	238610	-	238614	-
F	-	20	43	240	99257	-	99257	-
F	-	20.1	48	240	272610	-	272614	-
F	30.8	-	-	-	-	501695	-	501696
H	11.6	-	-	-	-	238910	-	238914
H	40.6	-	-	-	-	238910	-	238914

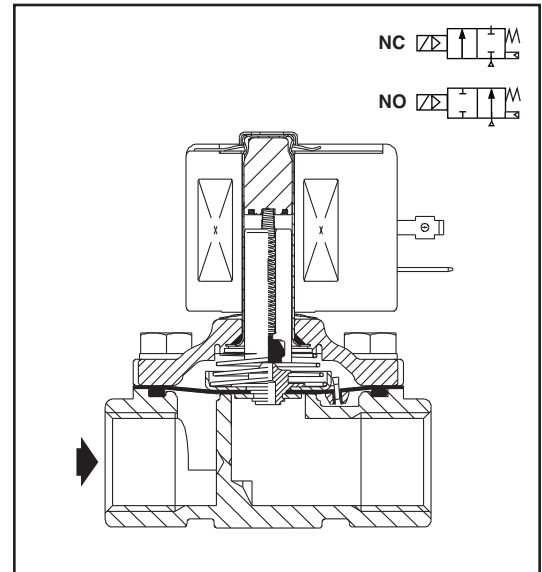
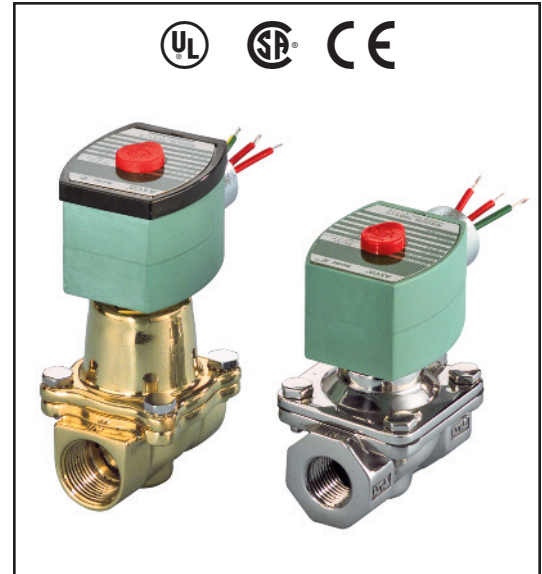
**Standard Voltages:** 24, 120, 240, 480 volts AC, 60 Hz (or 110, 220 volts AC, 50 Hz). 6, 12, 24, 120, 240 volts DC. Must be specified when ordering.  
Other voltages available when required.

## Solenoid Enclosures

**Standard:** RedHat II - Watertight, Types 1, 2, 3, 3S, 4, and 4X; RedHat - Type 1.

**Optional:** RedHat II - Explosionproof and Watertight, Types 3, 3S, 4, 4X, 6, 6P, 7, and 9; Red-Hat - Explosionproof and Watertight, Types 3, 4, 4X, 7, and 9.

(To order, add prefix "EF" to catalog number, except Catalog Numbers 8210B057, 8210B058, and 8210B059, which are not available with Explosionproof enclosures.)  
See *Optional Features Section* for other available options.



## Nominal Ambient Temp. Ranges

RedHat II/RedHat AC: 32°F to 125°F (0°C to 52°C)

RedHat II DC: 32°F to 104°F (0°C to 40°C)

RedHat DC: 32°F to 77°F (0°C to 25°C)  
(104°F/40°C occasionally)

8210G227 AC: 32°F to 130°F (0°C to 54°C)

DC: 32°F to 90°F (0°C to 32°C)

Refer to *Engineering Section* for details.

## Approvals

UL listed as indicated. CSA certified.  
RedHat II meets applicable CE directives.

Refer to *Engineering Section* for details.

ATEX/IECEx certified with prefix "EV" as listed. Refer to *Optional Features Electrical Section* for details.

## Specifications (Metric units)

Pipe Size (in)	Orifice Size (mm)	Kv Flow Factor (m <sup>3</sup> /hr)	Operating Pressure Differential (bar)							Max. Fluid Temp. °C		Brass Body			Stainless Steel Body			Watt Rating/Class of Coil Insulation ⑦	
			Max. AC			Max. DC						Catalog Number	Const. Ref. ④	UL ⑤ Listing	Catalog Number	Const. Ref. ④	UL ⑤ Listing		
			Min.	Air-Inert Gas	Water	Light Oil @ 300 SSU	Air-Inert Gas	Water	Light Oil @ 300 SSU	AC	DC								
<b>NORMALLY CLOSED (Closed when de-energized), NBR or PTFE ② Seating</b>																			
3/8	10	1.3	①	10	9	-	3	3	-	82	65	8210G073 ③	1P	●	8210G036 ③	1P	●	6.1/F	11.6/F
3/8	16	2.6	0	10	10	-	3	3	-	82	65	8210G093	5D	○	-	-	-	10.1/F	11.6/F
3/8	16	2.6	0.3	14	10	9	9	7	7	82	65	8210G001 ▼	6D	○	-	-	-	6.1/F	11.6/F
3/8	16	2.6	0.3	21	21	21	-	-	-	79	-	8210G006 ✓	5D	○	-	-	-	17.1/F	-
1/2	11	1.9	①	10	9	-	3	3	-	82	65	8210G015 ③	2P	●	8210G037 ③	2P	●	6.1/F	11.6/F
1/2	16	3.4	0	10	10	-	3	3	-	82	65	8210G094 ✓◆	5D	○	-	-	-	10.1/F	11.6/F
1/2	16	3.4	0	10	10	9	3	3	-	79	65	-	-	-	8210G087 ✓	7D	●	17.1/F	11.6/F
1/2	16	3.4	0.3	14	10	9	9	7	7	82	65	8210G002 ▼◆	6D	○	-	-	-	6.1/F	11.6/F
1/2	16	3.4	0.3	21	21	21	-	-	-	79	-	8210G007	5D	○	-	-	-	17.1/F	-
1/2	19	3.4	0.3	-	21	-	-	21	-	54	32	8210G227	5D	○ †	-	-	-	17.1/F	40.6H
3/4	16	3.9	0	10	10	9	3	3	-	79	65	-	-	-	8210G088 ✓	7D	●	17.1/F	11.6/F
3/4	19	4.3	0.3	9	9	9	7	6	5	82	65	8210G009 ▼◆	9D	○	-	-	-	6.1/F	11.6/F
3/4	19	4.3	0	10	10	-	3	3	-	82	65	8210G095 ✓◆	8D	○	-	-	-	10.1/F	11.6/F
3/4	19	5.6	0.3	17	10	7	9	9	9	82	65	8210G003 ▼	11D	○	-	-	-	6.1/F	11.6/F
3/4	19	5.1	0	24	21	14	14	14	14	93	82	8210G026 ② † ◆	40P/10D	●	-	-	-	16.1F	30.8F
1	25	11	0	10	9	9	9	8	8	82	82	8210G054 † ◆	41D/31D	●	8210G089 † ◆	45D/15D	●	16.1/F	30.8/F
1	25	11	0.3	10	10	7	9	9	9	82	65	8210G004 ▼◆	12D	○	-	-	-	6.1/F	11.6/F
1	25	11.5	0	21	16	8	-	-	-	93	-	8210G027	42P	●	-	-	-	20.1/F	-
1	25	11.5	0.7	21	21	21	-	-	-	79	-	8210G078 ②	13P	-	-	-	-	17.1/F	-
1 1/4	29	13	0	10	9	9	9	8	8	82	82	8210G055 † ◆	43D/32D	●	-	-	-	16.1/F	30.8/F
1 1/4	29	13	0.3	10	10	7	9	9	9	82	65	8210G008 ▼	16D	○	-	-	-	6.1/F	11.6/F
1 1/2	32	19.5	0	10	9	9	9	8	8	82	82	8210G056 † ◆	44D/33D	●	-	-	-	16.1/F	30.8/F
1 1/2	32	19.5	0.3	10	10	7	9	9	9	82	65	8210G022 ▼	18D	○	8210G127	52D	●	6.1/F	11.6/H
2	44	37	0.3	10	9	6	3	3	3	82	65	8210G100	20P	●	8210G129	53P	●	6.1/F	11.6H
2 1/2	44	39	0.3	10	9	6	3	3	3	82	65	8210G101	21P	●	-	-	-	6.1/F	11.6/F
<b>NORMALLY OPEN (Open when de-energized), NBR Seating (PA Disc-Holder, except as noted)</b>																			
3/8	16	2.6	0.0	10	10	9	9	9	6	82	65	8210G033	23D	●	-	-	-	10.1/F	11.6/F
3/8	16	2.6	0.3	17	14	14	17	14	14	82	82	8210G011 ⑥ ⑧	39D	●	-	-	-	10.1/F	11.6/F
1/2	16	3.4	0	10	10	9	9	9	6	82	65	8210G034 ✓	23D	●	-	-	-	10.1/F	11.6/F
1/2	16	2.6	0	10	10	7	9	9	6	82	65	-	-	-	8210G030 ✓	37D	●	10.1/F	11.6/F
1/2	16	3.4	0.3	17	14	14	17	14	14	82	82	8210G012 ⑥ ⑧	39D	●	-	-	-	10.1/F	11.6/F
3/4	19	4.7	0	10	10	9	9	9	6	82	65	8210G035 ✓	25D	●	-	-	-	10.1/F	11.6/F
3/4	16	2.6	0	10	10	7	9	9	6	82	65	-	-	-	8210G038 ✓	38D	●	10.1/F	11.6/F
3/4	19	5.6	0.3	17	14	14	17	14	14	82	82	8210G013	46D/52D	●	-	-	-	16.1/F	15.8/F
1	25	11	0	9	9	9	-	-	-	82	-	8210B057 ⑥ ⑧	34D	●	-	-	-	20/F	-
1	25	11	0.3	10	10	9	10	10	9	82	82	8210G014	47D/53D	●	-	-	-	16.1/F	15.8/F
1 1/4	29	13	0	9	9	9	-	-	-	82	-	8210B058 ⑥ ⑧	35D	●	-	-	-	20/F	-
1 1/4	29	13	0.3	10	10	9	10	10	9	82	-	8210G018	48D/54D	●	-	-	-	16.1/F	15.8/F
1 1/2	32	19.5	0	9	9	9	-	-	-	82	-	8210B059 ⑥ ⑧	36D	●	-	-	-	20/F	-
1 1/2	32	19.5	0.3	10	10	9	10	10	9	82	82	8210G032	49D/55D	●	8210G132	29D	●	16.1/F	15.8/F
2	44	37	0.3	10	9	9	10	9	9	82	82	8210G103	50P/56P	●	8210G133	30P	●	16.1/F	15.8/F
2 1/2	44	39	0.3	10	9	9	10	9	9	82	82	8210G104	51P/57P	●	-	-	-	16.1/F	15.8/F

① 0.3 bar on Air; 0.0 bar on Water.  
 ② Valve provided with PTFE main disc.  
 ③ Valve includes Ultem (G.E. trademark) piston.  
 ④ Letter "D" = diaphragm construction; "P" = piston construction.  
 ⑤ ○ Safety Shutoff Valve; ● General Purpose Valve.  
 Refer to Engineering Section (Approvals) for details.  
 ⑥ Valves not available with Explosionproof enclosures.  
 ⑦ On 50 hertz service, the watt rating for the 6.1/F solenoid is 8.1 watts.  
 ⑧ AC construction also has PA seating.  
 ⑨ No disc-holder.  
 ⑩ Stainless steel disc-holder.  
 † UL listed for fire protection systems per UL429A 120/60, 110/5024VDC, no prefix and voltage options offered.  
 ‡ DC constructions must have solenoid mounted vertical and upright.  
 ✓ ATEX/IECEx certified with prefix "EV".  
 ▼ ATEX/IECEx certified for DC only with prefix "EV".  
 ◆ Not available in 6 Volt DC, EF and HB prefix only.  
 ● Valve available with lead-free brass body and bonnet using suffix "LF". The term "Lead-Free" for brass materials is defined by SDWA 1417 as having a maximum weighted average lead content of 0.25% on the wetted surface area.