

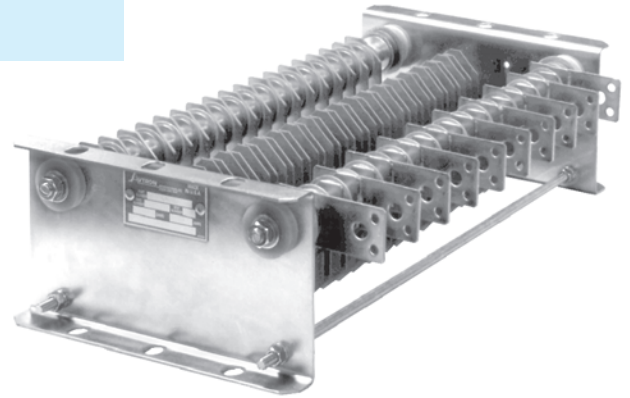
# Avtron Grid Resistors

## Type AGR

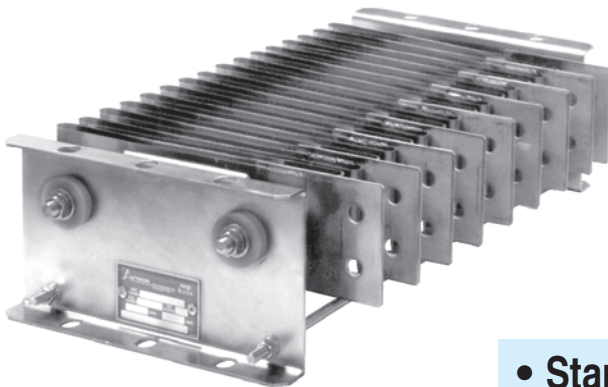
- Low temperature coefficient elements for stable resistance over a wide temperature range

- Higher wattage per resistor saves space, weight, and cost

- Reliable, all stainless steel resistor elements and terminals



Stamped grid resistor – P/N AGR27 - AGR165



Continuous ribbon grid resistor – P/N AGR180 - AGR525

- Standard 26.5" dimensions for fast replacement of other major brands

- All units triple-insulated for 1000 volts AC or DC

- Standard grid resistors available for quick shipment to reduce costly downtime



QUALITY • RELIABILITY • SERVICE • VALUE

QUALITY SYSTEM CERTIFIED TO  
**ISO 9001**

# Stainless Steel Grid Resistors

**Avtron Grid Resistors** are designed to outperform every major grid resistor on the market, even in the harshest industrial environments.

Decades of experience — dating back to 1953 — with high power resistive load banks has led to the development of a complete line of high quality industrial power resistors that are worthy of the Avtron name.

To help users reduce costly downtime, Avtron Grid Resistors are engineered with reliability as a top priority:

- **Stainless steel resistor elements and terminals** are used to prevent corrosion related failures.
- **High temperature silicon mica insulators** and the elimination of current carrying spacers provide extended operating life.
- Grids rated over 37 amps are **TIG-welded for improved durability**.

Overall, Avtron Grid Resistors offer the performance and long life features needed to help reduce downtime and save money.

Avtron Grid Resistors can be supplied with standard open frames or mounted inside protective indoor or outdoor enclosures. Optional inter-connection wiring and control systems are also available. Grid resistors with special custom ratings and/or non-standard length frames are also available. Consult factory for price and availability.

Avtron Part Number	Continuous AMP Capacity @375°C Rise	Resistance in OHMS @25°C Total Bank	Total WATTAGE	No. of Taps Incl. End Terminals
<b>AGR27</b>	27	9.36	6800	13
<b>AGR30</b>	30	7.80	7000	11
<b>AGR37</b>	37	6.16	8400	11
<b>AGR41</b>	41	5.10	8500	11
<b>AGR46</b>	46	3.92	8200	10
<b>AGR50</b>	50	2.94	7300	11
<b>AGR57</b>	57	2.02	6500	11
<b>AGR63</b>	63	1.82	7200	10
<b>AGR73</b>	73	1.22	6500	10
<b>AGR80</b>	80	1.03	6500	10
<b>AGR85</b>	85	0.850	6100	9
<b>AGR91</b>	91	0.705	5800	8
<b>AGR100</b>	100	0.608	6000	10
<b>AGR110</b>	110	0.468	5600	10
<b>AGR120</b>	120	0.421	6000	10
<b>AGR135</b>	135	0.360	6500	10
<b>AGR150</b>	150	0.267	6000	8
<b>AGR165</b>	165	0.240	6500	8
<b>AGR180</b>	180	0.226	7300	9
<b>AGR200</b>	200	0.209	8300	9
<b>AGR225</b>	225	0.184	9300	9
<b>AGR260</b>	260	0.164	11000	9
<b>AGR300</b>	300	0.132	11800	9
<b>AGR350</b>	350	0.096	11700	9
<b>AGR400</b>	400	0.076	12100	8
<b>AGR450</b>	450	0.056	11300	8
<b>AGR525</b>	525	0.039	10700	8

## Avtron Grid Resistors are ideal for severe duty applications including:

- **Overhead Cranes**
- **Dynamic Braking**
- **Mining Equipment**
- **AC and DC Motor Acceleration**
- **Locomotives**
- **Neutral Grounding**
- **Harmonic Filters**
- **Load Banks**

# Cross Reference Chart\*

## 26.5" Long Standard "Mill-Bank" Frames

Clark / Challenger	Cutler-Hammer	General Electric	Hubbell	IPC Resistors	Post Glover	Square D	Westinghouse
		A001A210	SSR22	SSG25	G111R-G	TW27D	44A6415G01
	G11WL800		SSR24	SSG29	G0111-G	TW32D	44A6412G03
	G11WL625	A001A209	SSR27	SSG33			
	G11WL500		SSR30	SSG38	G110-G	TW37D	44A6412G02
112A38	G11WL400	A001A208	Z41W3900GB	SSG42	G19-G	TW42D	44A6412G01
112A44	G11WL320	A001A207	Z53W2500GB	SSG53	G019-G	TW50D	44A6413G01
112A53	G11WL200		Z62W1990GB	SSG66	G018-G		
112A63	G11WL160	A001A206	Z66W1620GB	SSG68	G17-G	TW62D	44A6410G03
	G11WL125	A001A205	Z77W1210GB	SSG76	G16R-G		44A6411G01
112A75	G11WL100		Z80W1020GB	SSG85	G16-G	TW72D	44A6410G02
	G11WL80		Z95W808GB	SSG90	G016-G	TW85D	44A6410G01
112A90		A001A104	Z98W680GB	SSG100	G15-G		44A6409G03
	G11WL62		Z101W595GB	SSG110	G015H-G		
112A110	G11WL50		Z117W463GB	SSG120	G14H-G	TW100D	44A6408G03
112A120	G11WL40	A001A103	Z120W405GB	SSG125	G014H-G		
	G11WL32		Z124W357GB	SSG135	G13H-G	TW120D	44A6408G02
112A140	G11WL25	A001A102	HHC150Z	SSG155		TW150D	
112A155				SSG160	G58R-G		44A6408G01
	G11WL20		Z171W206GB	SSG180		TW180D	
				SSG190			
				SSG200	G55R-G		
	G11WL16	A001A101	HHC200Z	SSR200	HC180-G		
	G11WL12		HHC225Z	SSR225	HC225-G	TW220D	
		A002A103	HHC295Z	SSR300	HC300-G		
	G14WL06	A002A102	HHC350Z	SSR350	HC350-G	TW280D	
	G14WL05	A002A101	HHC395Z	SSR400	HC400-G	TW360D	
	G14WL03	A004A103	HHC500Z	SSR525	HC525-G	TW430D	

For more information and **total support** in selecting the right load bank or industrial resistor product for your application, contact your **Avtron** sales engineer at **(216) 573-7600**.

\* Avtron Grid Resistors are designed to replace resistors from several different manufacturers. The electrical ratings are functionally equivalent and the physical dimensions are interchangeable. The position and number of taps may vary from the unit being replaced.

