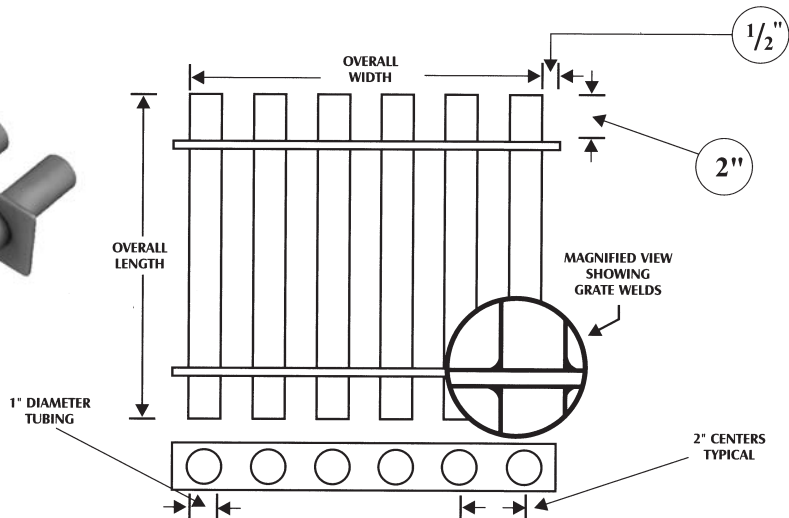
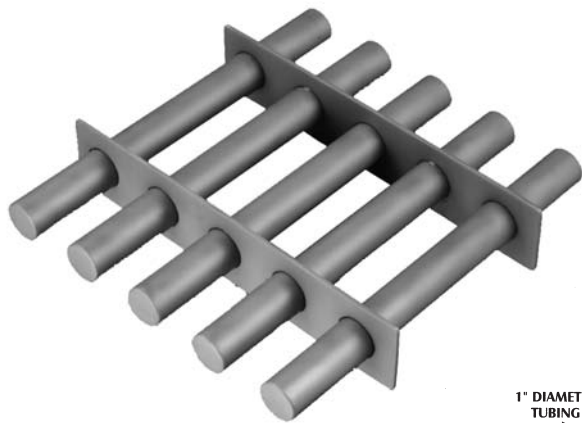


# SQUARE GRATE MAGNETS

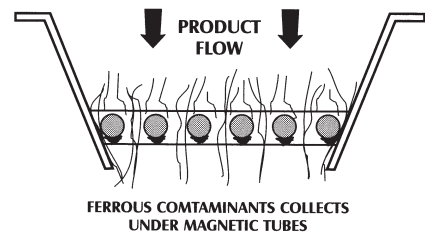


## APPLICATION:

Magnetically engineered to provide a full range of ferrous metal separation from free-flowing products with gravity fall processing applications. Puritan's designs offer maximum capture, control and protection of equipment while improving product purity. For maximum protection, locate in critical areas where capture is possible, most needed, and where removal for cleaning is feasible. Grates are most effective when the product is dry, free-flowing and does not bridge between the magnetic tubes (Puritan also offers other magnetic designs for those more difficult applications). Select a Magnetic Grate at least twice the cross sectional area of the incoming spout opening and discharge. When in doubt, phone Puritan for engineering assistance.

## LENGTH IN INCHES

|     | 4"    | 6"    | 8"    | 10"   | 12"   | 14"   | 16"   | 18"   | 20"   | 22"   | 24"   |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 4"  | G0404 | G0406 | G0408 | G0410 | G0412 | G0414 | G0416 | G0418 | G0420 |       |       |
| 6"  | G0604 | G0606 | G0608 | G0610 | G0612 | G0614 | G0616 | G0618 | G0620 |       |       |
| 8"  | G0804 | G0806 | G0808 | G0810 | G0812 | G0814 | G0816 | G0818 | G0820 |       |       |
| 10" | G1004 | G1006 | G1008 | G1010 | G1012 | G1014 | G1016 | G1018 | G1020 |       |       |
| 12" | G1204 | G1206 | G1208 | G1210 | G1212 | G1214 | G1216 | G1218 | G1220 |       |       |
| 14" | G1404 | G1406 | G1408 | G1410 | G1412 | G1414 | G1416 | G1418 | G1420 |       |       |
| 16" | G1604 | G1606 | G1608 | G1610 | G1612 | G1614 | G1616 | G1618 | G1620 |       |       |
| 18" | G1804 | G1806 | G1808 | G1810 | G1812 | G1814 | G1816 | G1818 | G1820 |       |       |
| 20" | G2004 | G2006 | G2008 | G2010 | G2012 | G2014 | G2016 | G2018 | G2020 |       |       |
| 22" | G2204 | G2206 | G2208 | G2210 | G2212 | G2214 | G2216 | G2218 | G2220 | G2222 |       |
| 24" | G2404 | G2406 | G2408 | G2410 | G2412 | G2414 | G2416 | G2418 | G2420 | G2422 | G2424 |



Note: Additional sizes available

How to Order: N=Neodymium-Iron-Boron, S=Samarium-Cobalt, C=Ceramic, A=Alnico  
 N=No Diverters, A=90° Diverters, B=60° Diverters, C=3/8" Diverters

Example: CG1012A = Ceramic Grate Magnet, 10" wide, 12" long with 90° Diverters.

Note: Due to ongoing product development, certain specifications are subject to change without notice.

## OPERATION:

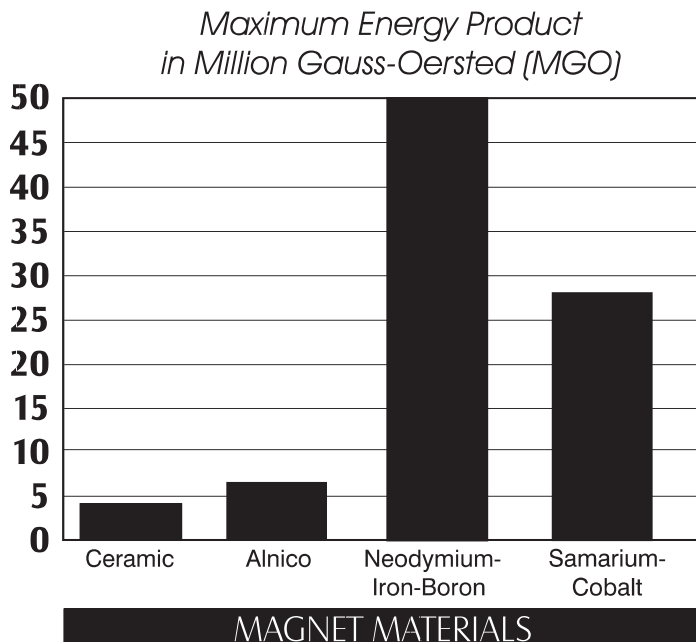
As product flows over the Magnetic Grate, it cascades over stainless steel enclosed magnetic tubes. Ferrous contaminants are captured, then move to the underside of the tubes to prevent potential washoff from the product stream. Staggered rows of magnetic tubes can dramatically improve capture in higher velocity flows, and or heavier ferrous contaminant content. With multiple grate layers, spacing should be no closer than 2 inches between layers to maintain product flow. Clean magnetic tubes periodically to remove accumulated ferrous contaminants. This will ensure efficient performance.

## CONSTRUCTION:

- Highest grade of magnet material including Neodymium-Iron-Boron (rare earth), Samarium-Cobalt (rare earth), Ceramic, and Alnico
- 1/8" thick x 2" tall stainless steel support stringers welded to tubes
- Rugged, high strength designs
- Seam welded tube ends
- 100% stainless steel enclosed

## OPTIONS:

- 316L stainless steel and other alloy construction
- Special sizes on request
- E-Z Clean™ options
- Round sizes available
- Non-standard tube spacing



For technical assistance or to order

**1-800-787-3624**

**Solutions To Your Magnetic Needs**

**1-800-SUREMAG™**

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