



Date: 11/22/09

Supersedes: 7/18/06

**TECHNICAL DATA SHEET**

**VOONER VANEGARD® LIQUID RING VACUUM PUMP**

Specified, constructed, tested, and guaranteed by:

**Vooner FloGard® Corporation**

P.O. Box 240360, Charlotte, NC 28224-0360  
4729 Stockholm Court, Charlotte, NC 28273

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Toll Free: 1-800-345-7879  
Telefax: (704) 554-8230

**Model: VG7 (DIN)**

Type: Single stage rotor, cone shape ports, liquid ring vacuum pump

Sealing liquid flow rate nominal: 15”HgV (-L cone) - 40 lpm  
20”-24”HgV (-M cone) - 75 lpm  
24”-26”HgV (-H cone) - 75 lpm

Sealing liquid connection: 1” NPT

Shaft sealing: Packing

Bearing design: Double row spherical roller bearing, external, grease lubricated, Type: NSK 21311EAE4

Shaft diameter, drive end: 50.8 mm

Pump flange connections: 100 mm inlet, 80 mm outlet

Manifold flange connections: 150 mm inlet, 100 mm outlet

Approximate pump weight: 410 kg

**MATERIAL CONSTRUCTION FEATURES**

<b>Model</b>	<b>Rotor</b>	<b>Cones</b>	<b>Heads</b>	<b>Bearing Carrier</b>	<b>Housing</b>	<b>Shaft</b>	<b>Packing Gland, Studs, Nuts</b>
A	Ductile Iron	Cast Iron	Cast Iron	Carbon Steel	Cast Iron	Carbon Steel	316 SS
C	304 SS	304 SS	Cast Iron	Carbon Steel	Cast Iron	410 HT SS	316 SS
XVS	304 SS	304 SS	*316 SS	Carbon Steel	304 SS	410 HT SS	316 SS
SS4	304 SS	304 SS	304 SS	Carbon Steel	304 SS	316 SS	316 SS
SS6	316 SS	316 SS	316 SS	Carbon Steel	316 SS	316 SS	316 SS

(SS - cast stainless steel)

(HT - heat treated)

(N/A - not available)

(\* Replaceable 316 SS Wear Plates on cast iron heads)