



Date: 11/22/09

Supersedes: 2/11/08

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

Telephone: (704) 552-9314
Toll Free: 1-800-345-7879
Telefax: (704) 554-8230

Model: VG20

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

Sealing liquid flow rate nominal: 15”HgV (-L cone) - 20 gpm (75 lpm)
20”-24”HgV (-M cone) - 30 gpm (115 lpm)
24”-26”HgV (-H cone) - 50 gpm (190 lpm)

Sealing liquid connection: 1” NPT

Shaft sealing: Packing

Bearing design: Double row spherical roller bearing, external, grease lubricated, Type: NSK 22220EAE4

Shaft diameter, drive end: 3⁵/₈”

Pump flange connections: 6” inlet, 5” outlet

Manifold flange connections: 8” inlet, 6” outlet

Approximate pump weight: 3285 lbs. (1490 kg)

MATERIAL CONSTRUCTION FEATURES

| Model | Rotor | Cones | Heads | Bearing Carrier | Housing | Shaft | Pkg Gland, Studs, Nuts |
|--------------|--------------|--------------|--------------|------------------------|----------------|--------------|-------------------------------|
| 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 |
| XVE4 | 304 SS | 304 SS | *316 SS | Carbon Steel | **304L SS | 410 HT SS | 316 SS |
| XVE6 | 316 SS | 316 SS | *316 SS | Carbon Steel | **316L SS | 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)

(*Replaceable 316 SS Wear Plates on cast heads)

(**Stainless Steel liner in cast iron housing)

(N/A - not available)