



Date: 2/11/08

Supersedes: 7/18/06

**TECHNICAL DATA SHEET**

**VOONER FLOGARD® 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: V4L50 (DIN)**

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

Sealing liquid flow rate nominal: 15”HgV (-L cone) - 95-115 lpm  
20”-24”HgV (-M cone) - 150-190 lpm  
24”-28”HgV (-H cone) - 225-300 lpm

Sealing liquid connection: 1 1/2” NPT

Shaft sealing: Packing

Shaft diameter, drive end: 127.0 mm

Pump flange connections: 250 mm inlet (2), 200 mm outlet (2)

Approximate pump weight: 3402 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)  
(\*Stainless Steel liner in cast iron housing)

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