



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: VG40 (DIN)

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

Sealing liquid flow rate nominal: 15”HgV (-L cone) - 115-150 lpm
20”-24”HgV (-M cone) - 190-240 lpm
24”-28”HgV (-H cone) - 240-380 lpm

Sealing liquid connection: 1 1/2” NPT

Shaft sealing: Packing

Bearing design: Timken tapered roller bearing, external, grease lubricated.
Type: Timken Assembly 90220, 74550 Cone, 74851CD Cup, X1S-74550 Spacer

Shaft diameter, drive end: 133.4 mm

Pump flange connections: 250 mm inlet, 200 mm outlet

Manifold flange connections: 300 mm inlet, 250 mm outlet

Approximate pump weight: 4015 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 316SS Wear Plates on cast iron heads)
(**Stainless Steel liner in cast iron housing) (N/A - not available)