



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: V490

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

Sealing liquid flow rate nominal: 15”HgV (-L cone) - 55-65 gpm (210-245 lpm)
20”-24”HgV (-M cone) - 90-110 gpm (340-420 lpm)
24”-26”HgV (-H cone) -120-150 gpm (450-570 lpm)

Sealing liquid connection: 2” NPT

Shaft sealing: Packing

Shaft diameter, drive end: 6 7/8”

Pump flange connections: 14” inlet (2), 12” outlet (2)

Approximate pump weight: 23,000 lbs.

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)