

Progressive Cavity Application Data Sheet



Name _____ Date _____
 Company _____ Phone _____
 Address _____ Fax _____
 City _____ State _____ Zip _____ Email _____

Equipment # _____

Project # _____

LIQUID PROPERTIES

Liquid _____
 *Temp. (F) _____
 *Viscosity (cps) _____
 Specific Gravity _____
 Vapor pressure (psi) _____ pH _____
 *Solids (%) _____ Max Size (in) _____ Avg. Size (in) _____
 Solid's Settling Velocity (ft/s) _____ N/A
 Abrasiveness: Low (lime slurry) Medium High (gravel)
 Other _____

SYSTEM

*Design Conditions _____ *GPM @ _____ *psi (Discharge)
 Max. Conditions _____ GPM @ _____ psi
 Min. Conditions _____ GPM @ _____ psi
 NPSHa _____ ft *Suction Pressure _____ psi
 Min. Static Suction Head (flooded suction installation) _____ ft
 Max. Static Suction Lift (suction lift installation) _____ ft
 Suction Pipe Submergence _____ ft
 Duty: 24/7 8 hrs Intermittent
 Other _____

MOTOR REQUIREMENTS

Enclosure:
 TEFC Washdown
 Exp Proof; Class _____ Div _____ Group _____
 Controlled with a VFD?: Yes No
 HP _____ RPM _____ Voltage _____ Phase / Hz _____ / _____
 Reducer: Yes No Reducer Ratio _____
 Other _____

BASEPLATE / MOUNTING

Baseplate: Fabricated Channel
 Coupling: Spacer Non-Spacer (please specify)
 Other _____

EXISTING PUMP DATA

Mfg and Model _____
 Size _____ Reason for Replacement _____
 Other/Additional Comments _____

MATERIALS OF CONSTRUCTION

Select Construction Materials: *Example: "CDQ"*
Housing: Cast Iron (C) 316 Stainless Steel (S)
 (First Letter) Hastelloy® C (H) Monel® (M)
 Carpenter® 20 Stainless Steel (E)
 Special to Application (X)

Internal Rotating Alloy 4150 (D) Carpenter®20 (E)
Parts: 316 Stainless Steel (S)
 (Second Letter) 416 Stainless Steel (G)

Stator Material: Buna (Q) EPDM 300 (B)
 (Third Letter) FKM (F) Hypalon®(K)
 Natural Rubber (R) White Nitrile (Z)
 Thiokol®(P) Special to Application (X)
 Other _____

TRIM CODE

Select Trim Details: *Example: "AAA"*
Sealing Variations: Braided Teflon® & Graphite Packing (A)
 (First letter) Braided Teflon® Packing (C)
 Single Mechanical Seal (S)
 Double Mechanical Seal (D) Flush Packing Gland (H)
 Braided Teflon® Food Grade Packing (F) Water Flush (W)
 100% Graphite Packing (G) Special to Application (X)

Internal Variations: Standard Plated Shaft (A)
 (Second Letter) Non-Plated Shaft (B)
 Solid Drive Shaft Configuration (C)
 Grit Seal - SPL only (D) Extension Tube Extended Auger (E)
 Extended Drive Shaft (F) Ceramic Coated Drive Shaft (G)
 Tungsten Carbide Coated Drive Shaft (K) Shaft Sleeve (S)
 Chromium Carbide Coated Drive Shaft (M)
 Fiber Deflector (R) Special to Application (X)

Rotor Variations: Standard Size Chrome Plating (A)
 (Third Letter) Non-Plated (B)
 Standard Undersized (C)
 Standard Oversized (E) CCW Rotation (F)
 Ceramic Coating (G) Tungsten Carbide Coating (K)
 Chromium Carbide Coating (M) Special to Application (X)

*Required items for quote

Progressive Cavity Application Data Sheet

Name _____ Date _____
Company _____ Phone _____
Address _____ Fax _____
City _____ State _____ Zip _____ Email _____



Equipment # _____ Project # _____

SYSTEM/PUMP SKETCH