Progressive Cavity Application Data Sheet

Document No: SP-SAL-011
Revision: 19.1 (5/2/2019)

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

SUMMIT™ PUMP, Inc

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: (First Letter)
☐ Cast Iron (C) ☐ 316 Stainless Steel (S)
☐ Hastelloy® C (H) ☐ Monel® (M)
☐ Carpenter® 20 Stainless Steel (E)
☐ Special to Application (X)

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

Stator Material: (Third Letter)
☐ Buna (Q) ☐ EPDM 300 (B)
☐ 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: (First letter)
☐ Braided Teflon® & Graphite Packing (A)
☐ 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: (Second Letter)
☐ Standard Plated Shaft (A)
☐ 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: (Third Letter)
☐ Standard Size Chrome Plating (A)
☐ 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

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SYSTEM/PUMP SKETCH