

Progressive Cavity Application Data Sheet

Document No: SP-SAL-012

Revision: 20.2 (7/6/2020)



SUMMIT™
PUMP, Inc

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

Equipment # _____

Project # _____

LIQUID PROPERTIES

Liquid _____

*Temp. (°C) _____

*Viscosity (cps) _____

Specific Gravity _____

Vapor pressure (kPa) _____ pH _____

*Solids (%) _____ Max Size (mm) _____ Avg. Size (mm) _____

Solid's Settling Velocity (mm/s) _____ N/A

Abrasiveness: Low (lime slurry) Medium High (gravel)

Other _____

SYSTEM

*Design Conditions _____ *m³/hr @ _____ *kPa (Discharge)

Max. Conditions _____ m³/hr @ _____ kPa

Min. Conditions _____ m³/hr @ _____ kPa

NPSHa _____ m *Suction Pressure _____ kPa

Min. Static Suction Head (flooded suction installation) _____ m Max.

Static Suction Lift (suction lift installation) _____ m

Suction Pipe Submergence _____ m

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

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SYSTEM/PUMP SKETCH