

# NEWERA'S PUMPING APPLICATIONS

## Application Data Sheet

### I. Fluid Data: Physical & Chemical Properties (please specify units)

FLUID \_\_\_\_\_ % Concentration \_\_\_\_\_ Boiling Point \_\_\_\_\_ °F °C  
PUMPING TEMPERATURE (PT) \_\_\_\_\_ Min Temp. \_\_\_\_\_ Max Temp. \_\_\_\_\_ °F °C  
VISCOSITY @ PT \_\_\_\_\_ Min Visc. \_\_\_\_\_ Max Visc. \_\_\_\_\_ cP cSt SSU  
SPECIFIC GRAVITY @ PT \_\_\_\_\_ Vapor Pressure @ PT \_\_\_\_\_ PSI mmHg

Suspended Solids:  Yes  No % Solids Conc. \_\_\_\_\_ Particle Size \_\_\_\_\_ μm SG \_\_\_\_\_

Toxic  Noxious  Flammable  Explosive  Corrosive  
 Abrasive  Crystallizes  Polymerizes  Shear Sensitive  Heat Sensitive  
 Other Properties \_\_\_\_\_

### II. Performance Data: Flow & Pressure (please specify units)

FLOW RATE: Normal \_\_\_\_\_ Min \_\_\_\_\_ Max \_\_\_\_\_ GPM GPH LPM LPH mL/min m<sup>3</sup>/hr  
Suction:  Flooded  Lift \_\_\_\_\_ ft m  NPSHA \_\_\_\_\_ ft m  
SUCTION PRESSURE \_\_\_\_\_ PSIA bar (abs) DISCHARGE PRESSURE \_\_\_\_\_ PSIA bar (abs)  
DIFFERENTIAL PRESSURE/HEAD \_\_\_\_\_ PSI bar MPa kg/cm<sup>2</sup> ft m

### III. Motor Data:

Type:  AC MOTOR  DC MOTOR  AIR MOTOR  
Power: \_\_\_\_\_ Hp kW Speed: \_\_\_\_\_ RPM  
AC Power Supply Frequency \_\_\_\_\_ Hz  1-Phase  3-Phase Voltage: \_\_\_\_\_  
Motor Enclosure:  ODP  TE  XP-"T" Code \_\_\_\_\_  Other \_\_\_\_\_  
NEMA Frame: \_\_\_\_\_ IEC Frame: \_\_\_\_\_  Foot Mount (B3)  Flange Mount (B5)  Face Mount (B14)

### IV. Location Data:

Type:  Indoor  Outdoor  
Ambient Temperature Range: Min \_\_\_\_\_ Max \_\_\_\_\_ °F °C  
 Sea Level  Elevation \_\_\_\_\_ ft m  
Hazardous Classification:  Class I (Gases or Vapors) ..... Division:  1  2 ..... Group:  A  B  C  D  
 Class II (Dust) ..... Division:  1  2 ..... Group:  E  F  G  
 Class III (Fibers) ..... Division:  1  2

### V. Comments: