CORNELL PUMP COMPANY’S SP SERIES SLURRY PUMP brings patented Cycloseal technology to the mining process industry. Adding to the diverse range of mine dewatering pumps, the SP Series slurry pump offers a Cornell solution to abrasive applications throughout the mill process.

The SP Series incorporates double-casing design, with replaceable liners and impellers available in both chrome iron and rubber. The patented Cornell Cycloseal incorporates a unique deflector vane back plate and expeller to offer a reliable, single mechanical seal design, even in the most severe operating conditions. The optional Run-Dry reservoir offers protection without the need for flush water.

SPECIFICATIONS

HOUSING MATERIAL: CAST IRON
LINER MATERIAL: CHROME IRON OR RUBBER
IMPELLER MATERIAL: CHROME IRON OR RUBBER
BACK PLATE: CHROME IRON
BEARING HOUSING & PEDESTAL: CAST IRON
DISCHARGE SIZE: 2 INCHES TO 12 INCHES
FLOW RATES: UP TO 14,000 GPM
SEAL TYPE: GLAND PACKING OR CYCLOSEAL
SOLIDS DIAMETER: UP TO 3.5 INCHES
IMPELLER TYPE: ENCLOSED
HEADS: UP TO 210 FT

APPLICATIONS

• DEWATERING
• CYCLONE FEED
• REGRIND
• FLOTATION
• TAILINGS
**SP SERIES SLURRY PUMPS**

**NOTES:**
1. Do not use for construction unless certified.
2. Dimension "U" and Keyway are in millimeters. All other dimensions in inches.

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**FLANGE DIMENSION**

**CONNECTION**

**DIM2212**

**PUMP DIMENSIONS**

**CAPACITY**

**U.S. GALLONS PER MINUTE**

**CUBIC METERS PER HOUR**

**WEIGHT (LB)**

**2SP** 420 420

**3SP** 580 520

**4SP** 1380 1000

**6SP** 3250 2165

**8SP** 6270 6900

**10SP** 12SP 4520 7460

**12SP** 14130 10300
THE CORNELL PRODUCT LINE

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Cornell pumps and products are the subject of one or more of the following U.S. and Foreign patents: 3,207,485; 3,282,226; 3,295,456; 3,301,191; 3,630,637; 3,663,117; 3,743,437; 4,335,886; 4,523,900; 5,489,187; 5,591,001; 6,074,554; 6,036,434; 6,079,958; 6,309,169; 2,320,742; 96/8140; 319,837; 918,534; 1,224,969; 2,232,735; 701,979 and are the subject of pending U.S. and Foreign Patent Applications.