



# KNELSON GRAVITY SOLUTIONS

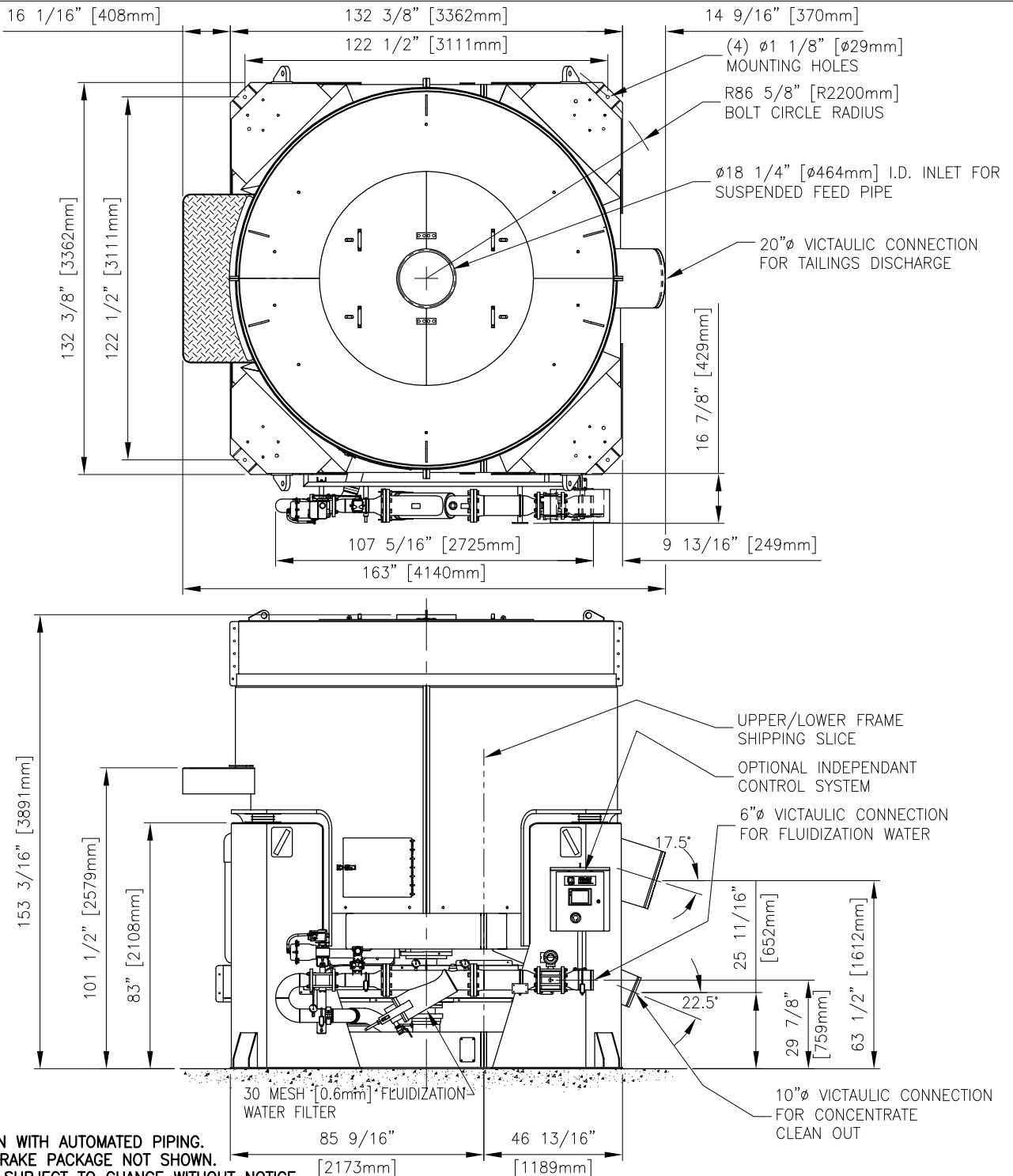
(A division of Knelson, a corporate partnership)  
 19855-98 Avenue, Langley B.C. Canada, V1M 2X5  
 Phone: (604)888-4015, Fax: (604)888-4013  
 www.knelsongravitysolutions.com, e-Mail: knelson@knelson.com

DATE: MAR 28, 2006

DWG. No. 03533D

## KNELSON CONCENTRATOR MODEL KC-XD70[MS] SPECIFICATION SHEET

SOLIDS FEED CAPACITY (MAY VARY DEPENDING ON MATERIAL) - 330-1100 tons/hr [300-1000 tonnes/hr] SOLIDS  
 TYPICAL FLUIDIZATION WATER REQUIREMENT - 300 - 550 USgpm [68 - 125 m<sup>3</sup>/hr]  
 FEED DENSITY - 0 - 75% SOLIDS/WEIGHT  
 MAX TOTAL VOLUMETRIC THROUGHPUT - 6000 USgpm [1360 m<sup>3</sup>/hr]  
 FEED SIZE - MAX: 1/4" [6mm]; RECOMMENDED: MINUS 10 MESH [1.7 mm]  
 TYPICAL CONCENTRATION CYCLE DURATION - HARD ROCK : 1/2 - 4 hrs [PLACER : 4 - 12 hrs]  
 TYPICAL FLUSH CYCLE DURATION - 2 - 3 MINUTES  
 APPROX. CONCENTRATE VOLUME / WEIGHT - 3200 in<sup>3</sup> [52L] / 220 - 310 Lbs [100 - 140 Kgs.]  
 APPROX. INSTALLATION WEIGHT OF CONCENTRATOR - 40,600 Lbs [18,455 Kgs.]  
 H.P. - 200-500 (ELECTRIC) [150-375 kW]  
 APPROX. SHIPPING DIMENSIONS - BASED ON DESTINATION (DISASSEMBLED IF CONTAINERIZED)

**NOTE:**

- MACHINE SHOWN WITH AUTOMATED PIPING.
- VFD/DYNAMIC BRAKE PACKAGE NOT SHOWN.
- SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
- ALL PIPING TO CONCENTRATOR TO BE FLEXIBLE TO ALLOW FOR SLIGHT OSCILLATION OF UNIT DURING OPERATION.