

**Knelson Concentrator Model
 KC-CD20
 Specification Sheet**

Maximum Feed Capacity	- 80 tonnes/hr solids
Maximum Total Volumetric Throughput	- 110m ³ /hr (480USgpm)
Feed Size	- Maximum: 6mm; Recommended: 2mm
Feed Density	- 0 - 75% Solids by weight
Minimum Air Flow Required (Auto Piping Only)	- 5.1m ³ /hr (3ft ³ /min) @ 600kPa (90psi)
Concentrator Installation Weight	- 900kg (2000lbs)
Motor	- 5.5 - 7.5kW (7.5 - 10HP) - Electric

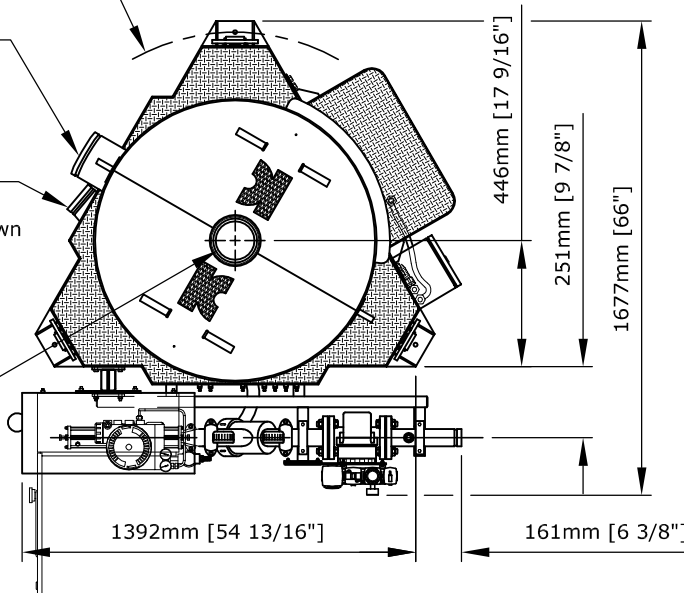
Cone Style	Fluidization Water m ³ /hr (USgpm)	Concentrate Weight kg (lb)	G-Force Range G's
G4	14 (60) - 18 (80)	16 (36) - 21 (46)	60
G5	8 (35) - 11 (47)	9 (19) - 11 (25)	60
G6	11 (50) - 17 (75)	16 (36) - 21 (46)	60 - 120
G7	6 (25) - 13 (57)	18 (40) - 27(60)	60 - 150

[3] Ø17mm [Ø11/16"] holes 120° apart on a Ø1473mm [Ø58"] B.C.D. for M16 [5/8"] bolts

Ø152mm [Ø6"] Victaulic connection for tailings discharge @ 892mm [35 1/8"] elevation to discharge center, sloping down 5°

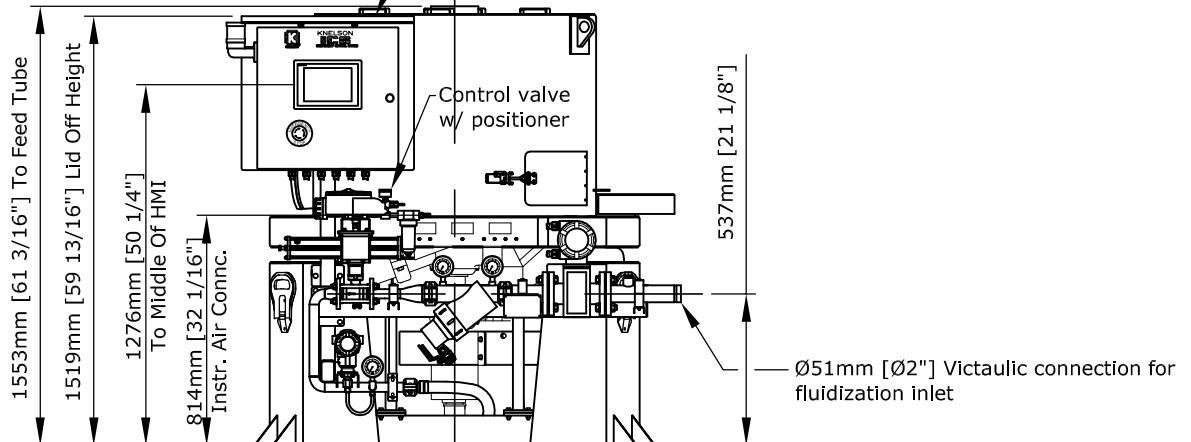
Ø102mm [Ø4"] Victaulic connection for concentrate discharge @ 482mm [19"] elevation to discharge center, sloping down 17°

Ø137mm [Ø5 3/8"] I.D.
For Suspended Feed Pipe



FLSmidth Knelson
Integrated Control System (ICS)

Control valve
w/ positioner



Ø51mm [Ø2"] Victaulic connection for fluidization inlet

Note:
 - Specifications subject to change without notice.
 - All piping to concentrator to be flexible to allow for slight oscillation of unit during operation.
 - Consult FLSmidth Knelson for more detailed operating parameters for your specific application.