



WW6E Spiral Separator



Features

- Enhanced mineral separation due to wash water addition
- Number of starts – single or twin
- Number of turns – 5 or 7
- Auxiliary con splitters are located every half turn, after the first turn, on each trough
- Auxiliary splitters may be blanked off with optional blank splitter inserts
- Heavy Mineral Product is collected via the centre column
- Open wash-water supply channel for operator access and cleaning
- High wear resistant PU product box and feed box

Design Data

Head Feed (per start)

Capacity:	Recommended 1.6 to 2.6 t/h (up to 3.0 t/h in some applications)
Pulp Density:	30-60% solids w/w (typically 30 to 45% solids)
Size Range:	0.03 – 2.0mm (0.04 to 0.7mm for optimal separation. Material coarser than 0.7mm has been found to increase wear rates in some cases)
Pulp Volume:	Max 5.0 m ³ /h
Wash Water Consumption:	0.5 – 1.5 m ³ /h (up to 2.5 m ³ /h in some applications)

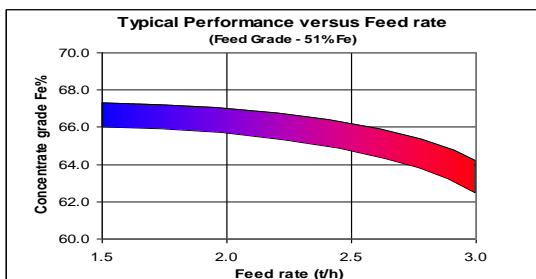
Application

The principal area of application is the recovery and concentration of minerals from pulp streams that contain more than 10% and as high as 90% high density minerals.

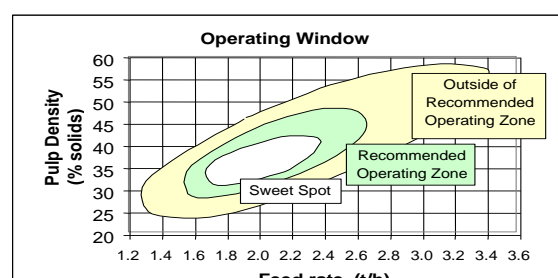
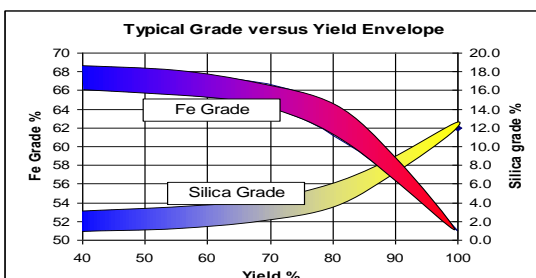
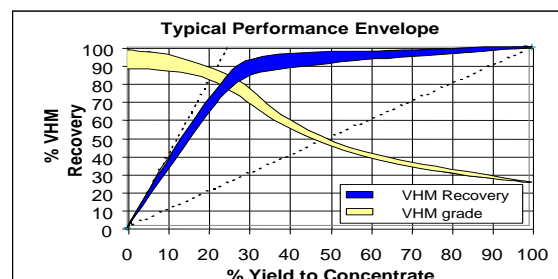
Specific Applications include:

- Iron Ore
- Mineral Sands separation
- Tin Ore Upgrading
- Chromite Beneficiation
- Ilmenite (Hard Rock)
- Base Metal Recovery from Hard Rock Ores
- Gold Recovery from Milling Circuits

Fe Ore – Rougher Spiral



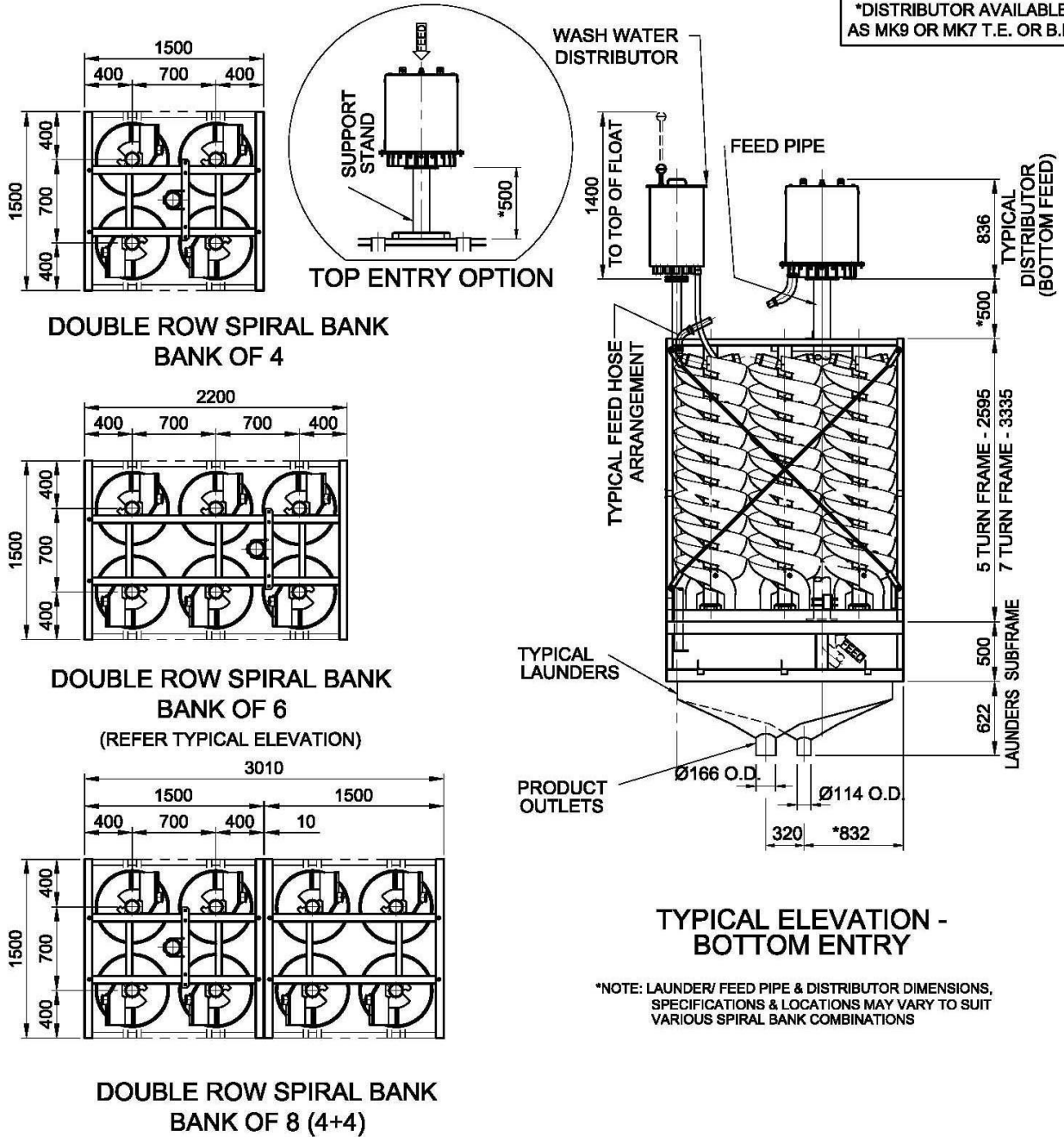
Mineral Sand – Cleaner Spiral





WW6E SPIRALS

*SPIRAL AVAILABLE IN SINGLE / TWIN ONLY CONFIGURATIONS
*DISTRIBUTOR AVAILABLE AS MK9 OR MK7 T.E. OR B.E.



ESTIMATED MASS (tonnes)						Mineral Technologies Mineral Technologies Pty. Ltd. - ABN 52 105 309 280 11 ELYSIUM RD., CARRARA, QLD. 4211, AUSTRALIA. Ph: +61 7 55691300 P.O. Box 2569 Nerang MDC, Qld. Australia, 4211 Fax: +61 7 55253810 www.mineraltechnologies.com info@mineraltechnologies.com
SPIRAL BANK	4x2	6x2	8x2	10x2	12x2	
5 TURN TWIN START	0.68	0.90	1.30	1.65	1.88	
7 TURN TWIN START	0.90	1.20	1.75	2.20	2.50	
FOR CERTIFIED DRAWINGS SUITABLE FOR ENGINEERING DESIGN PURPOSES PLEASE REFER TO MINERAL TECHNOLOGIES						WW6E-160 26.06.14 Rev 0