

## **HIGH FREQUENCY SCREEN (HFS), THE NUMBER “10” JERSEY OF THE NEW CONCENTRATOR TEAM**

Like in a soccer team, the concentrator plants receive today inside their team, a new player with jersey 10: the high frequency screen.

The high frequency screen allows plays all the way from the back, in the comminution, without the necessity of long kicks to the front, and expending less energy by playing with the ball under complete control. The high frequency screen reduces or eliminates circulating loads, while old players – on this same position – that would send the ball back every time. The screen splits the game perfectly to both sides of the field by limiting the coarser and reducing the ultra fines, which normally generated a reduced team performance. On the edges, the number 10 increases the tailings settling on one side and the filtration rate on the other, optimizing the (both) use of recovered and recover water. The concentrator production is right on goal-mouth, every time.



Great? An expensive player?

The high frequency screen is cheap and efficient but it does not only replace the old number 10 player that has a “defensive mind”: the hydrocyclone. In reality what needs to be evaluated on the new team is the group “work set” with the coach (manager) directing a renewed team, with ball mills grinding efficiently, the screen classifying efficiently, and production downstream taking advantage of all of this by scoring many goals.

MOPE evaluates this new strategy, called selective operation, not only replacing one player, but reformulating the team on its entire set. Welcome the High Frequency Screen (without much bragging), but with modesty adding in a team that plays with a new concept not only replacing a player, but renewing the team on its entire way to play the game.

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