

INSTALLATION INSTRUCTIONS SIDE ENTRY MIXERS

POSITION ON VESSEL

WHEN LIQUID LEVEL IS GREATER THAN DIAMETER

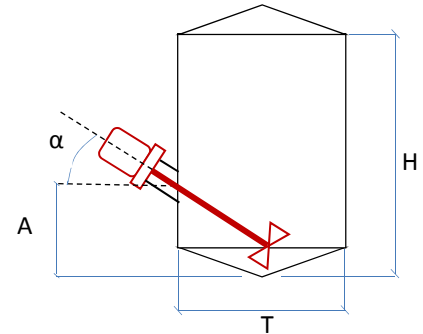
Direction: radial

Elevation: $A = \min H/8$

Slope: downward with α from table, function of vessel diameter

α	16	20	25	30	35	40
T/A	7,0 ÷ 5,6	5,5 ÷ 4,4	4,3 ÷ 3,4	3,3 ÷ 2,8	2,7 ÷ 2,4	2,3 ÷ 1,9

Multiple mixers: Not foreseen



WHEN DIAMETER IS GREATER THAN LIQUID LEVEL

Direction: left sloped α

$\alpha = 7^\circ$ for vessel diameter less than 15m

$\alpha = 10^\circ$ for vessel diameter greater than 15m

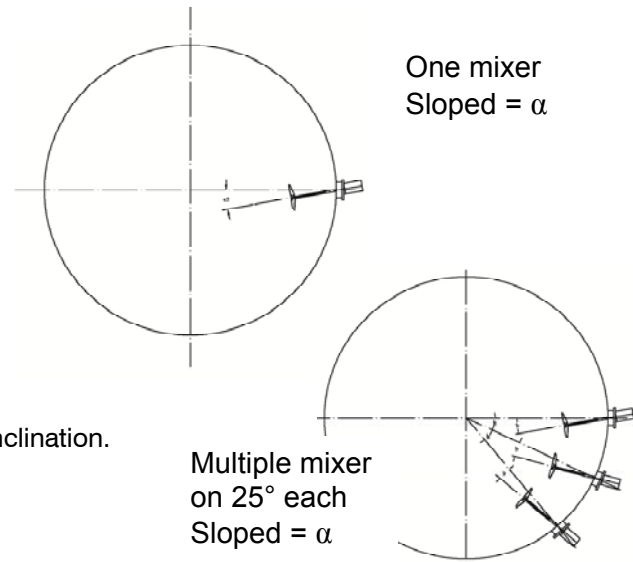
$\alpha = 20^\circ$ for solid suspension applications

Elevation: For dished bottom, minimum 0,5 D from weld line,
for flat bottom, minimum 0,5 D + 150mm

Slope: Horizontal

Multiple mixers: To be positioned in the same region, with same inclination.

Distance between them about $22,5^\circ$



One mixer
Sloped = α

Multiple mixer
on 25° each
Sloped = α

DISTANCE FROM WALLS

For best performances, impeller shall not be too close to walls:

H: Distance from vertical wall (has influence on shaft length): Min = 0,6 D

C: Distance of impeller lower part from bottom: Min = 150mm, never below welding line for dished bottom

L: Liquid level above impeller upper part min = 1,5 x D

