**Cyclone Separator**

1. Design body diagram for cyclone (meters):

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2. Number of size ranges to be evaluated in particle distribution:

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3. Particle diameter 1 value for the size range (microns):

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4. Mass percent 1 value for the size range (%):

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5. Particle diameter 2 value for the size range (microns):

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6. Mass percent 2 value for the size range (%):

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7. Particle diameter 3 value for the size range (microns):

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8. Mass percent 3 value for the size range (%):

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9. Gas flow rate into the cyclone (m3/s):

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10. Density of the gas at given temperature (kg/m3):

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11. Density of the particles in the gas steam (kg/m3):

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12. Velocity of the gas at the given temperature (kg/m-hr):

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13. Value of constant ‘k’ for the cyclone (enter 16):

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