



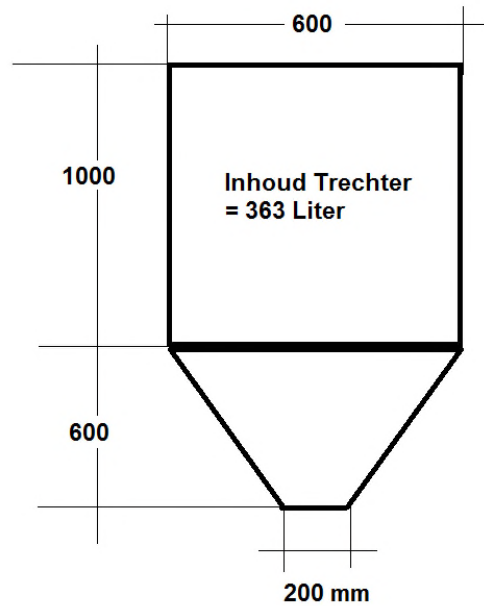
## Volume berekening Trechter:

### Conical Volume Calculator

#### Result

$$\begin{aligned} \text{Volume} &= \frac{1}{3} \pi h (r^2 + rR + R^2) \\ &= \frac{1}{3} \times \pi \times 60 (10^2 + 10 \times 30 + 30^2) \\ &= 26000\pi \\ &= \mathbf{81681.408993335 \text{ centimeters}^3} \end{aligned}$$

|                                          |                                 |             |
|------------------------------------------|---------------------------------|-------------|
| Top Radius (r)                           | <input type="text" value="10"/> | centimeters |
| Bottom Radius (R)                        | <input type="text" value="30"/> | centimeters |
| Height (h)                               | <input type="text" value="60"/> | centimeters |
| <input type="button" value="Calculate"/> |                                 |             |



**1 cm<sup>3</sup> = 1 mL**

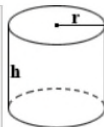
M.a.w. deze conus heeft een inhoud van 81,68 Liter  
Te gebruiken slangventiel is dus DN 200.

### Cylinder Volume Calculator

#### Result

$$\begin{aligned} \text{Volume} &= \pi r^2 h \\ &= \pi \times 30^2 \times 100 \\ &= 90000\pi \\ &= \mathbf{282743.33882308 \text{ centimeters}^3} \end{aligned}$$

|                                          |                                  |             |
|------------------------------------------|----------------------------------|-------------|
| Base Radius (r)                          | <input type="text" value="30"/>  | centimeters |
| Height (h)                               | <input type="text" value="100"/> | centimeters |
| <input type="button" value="Calculate"/> |                                  |             |



**1 cm<sup>3</sup> = 1 mL**

M.a.w. de cilinder heeft een volume van 282,7 Liter



#### Vacuoload- Vacuumconveyor Systemen

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