

1

Datos

$$u = 3.5 \text{ wt}$$

$$D = 1.5 \text{ cm}^2$$

$$w = 300 \text{ kg}$$

$$F = W \cdot g = 300 \text{ kg} (9.81 \text{ m/s}^2)$$

$$F = 2943 \text{ N} \cdot \frac{100000 \text{ Din}}{1 \text{ new}}$$

$$A = \frac{F}{D} = \frac{2943000 \text{ Din}}{1.5 \text{ cm}^2}$$

$$F = 1.962000 \text{ Din/cm}^2$$

$$F = 1.962 \times 10^6 \text{ Din/cm}^2$$

$$B) Dv = Dv = \frac{0.07 \text{ cm}}{350 \text{ cm}}$$

$$Dv = 2 \times 10^{-4}$$

$$c) \frac{F}{D} = \frac{(2943000) (350 \text{ cm})}{(1.5 \text{ cm}^2) (0.07 \text{ cm})}$$

$$y = 9.81 \times 10^9 \text{ Din/cm}^2$$

2

$$A = 0.375 \text{ millimetres} \quad \text{O} \quad 0.000375 \text{ wt}$$

$$B = 2850 \text{ kg}$$

3

$$A = 2.6787 \times 10^8 \text{ Dyn/cm}^2$$

$$B = 0.041 \text{ kg/cm}^2$$

(4)
 $F = 500000 \text{ Dinars}$

(5)
 $D = 7,748.7228 \text{ Nm}^3$

$6 \text{ m}^3 = 3.27 \text{ m}^3$

$1 = 32 \text{ Litros}$

(7)
 189140 Nm^3

$Pc = 19300 \text{ Kg/m}^3 \cdot 9.81 \text{ m/s}^2$

$\rho = 0.13274 \text{ m}^3$

densidad = 11300.23 Kg/m^3

10
Datos
 $P = 420 \text{ Nm/m}^2$
 $F = P \cdot A$
 $F = 420 \cdot 0.3$
 $R = 0.3 \text{ m}^2$
 $F = 126 \text{ Nm}$

11 =

$R = 296,41 \text{ mF}$

12

$H = 78400$

Precision Hidrostatica.

13

$P = 8-g.H$

$P = 5997.6$

