

1..

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TOWER

， ．

가 ．

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가 ， 가
가，

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，

2 (粒烈方法, 特期方法)
가

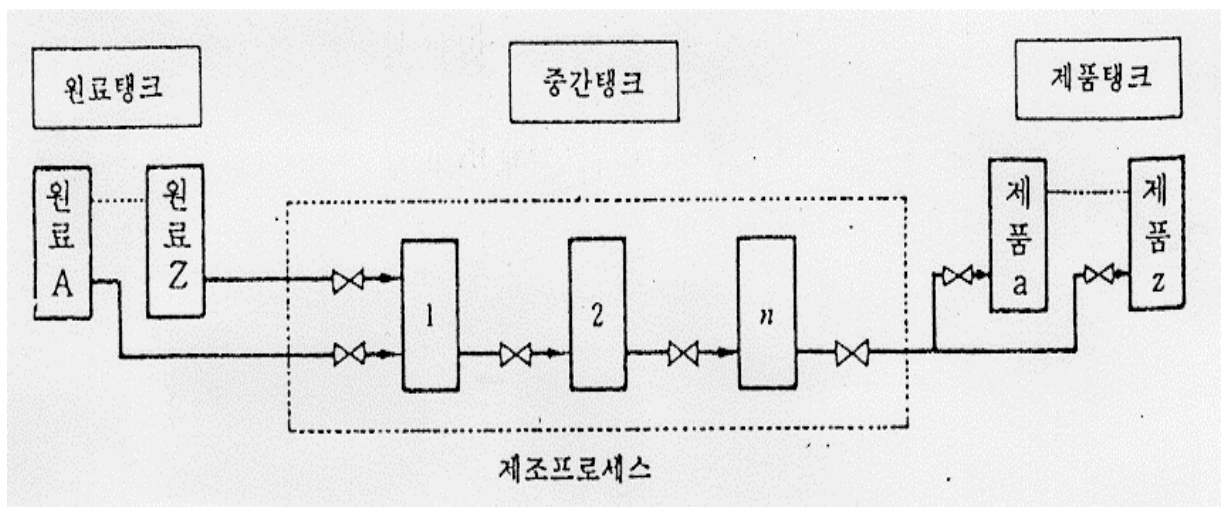
．

2.

1-1

가 ,

가 .



{ 1-1

“ ”

가

		(m)		()	(kg/cm ³)	.
		0.5 ~ 2	± 1 mm	500	350	
		0.5 ~ 10	± 2 mm			
		0.1 ~ 50	± 0.4 ~ ± 1	120	420	
		0.5 ~ 50	± 3 ~ ± 5	90		
		0.2 ~ 3	± 2%	450	30	
	()	3 ~ 50	± 100 mm			
		0.1 ~ 25	± 0.5%	120	10	
		0.5 ~ 20	± 1 mm ~ ± 3%	170	70	,
	.	0.01 ~ 5	± 0.05 %	()		
		1 ~ 30				가

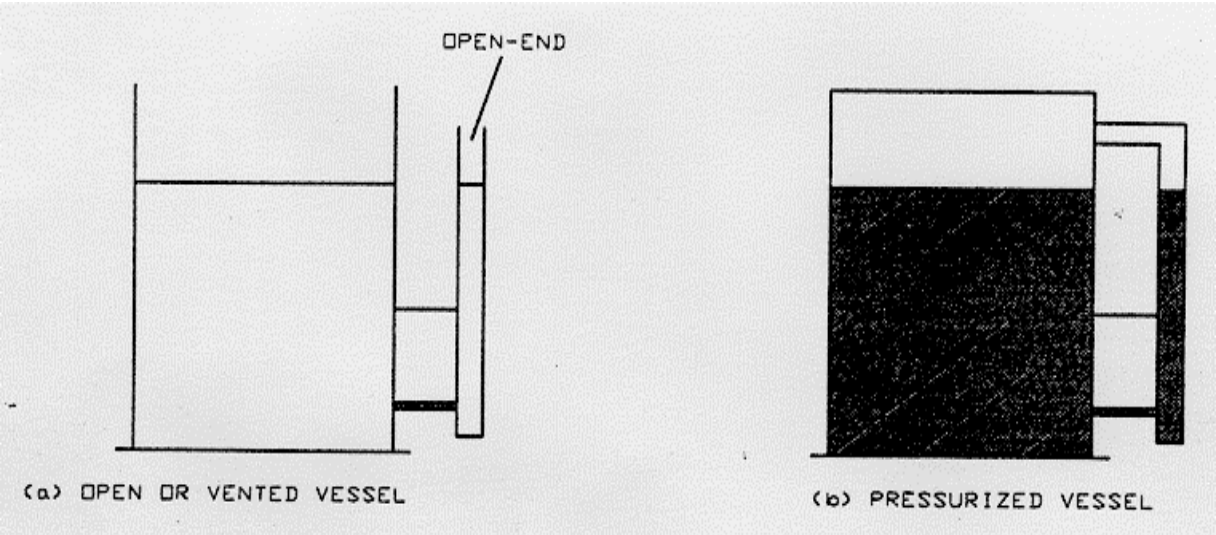
1-1

3. Sight (Sight-Type Instrument)

(tape float) 3 가 (glass Gauge), (Displacer) , Sight 가 . 가 .

가) (GLASS GAUGE)

2 가 가 . (memo meter) .



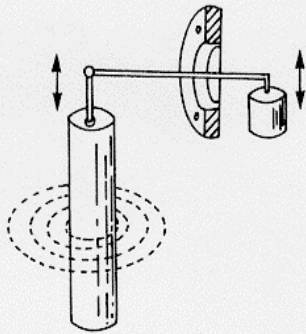
가 . , 가 . 6-1 sight 가 .

). **(Displace Level Instrument)**

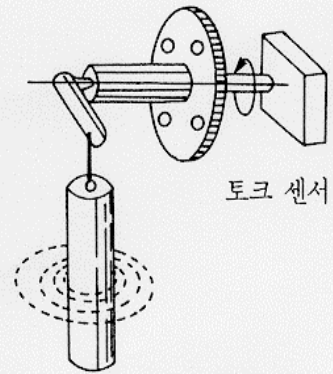
가 .

가 .

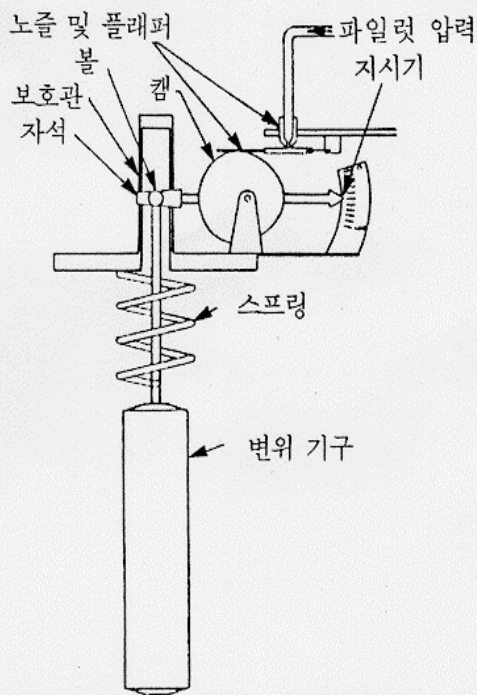
가 .



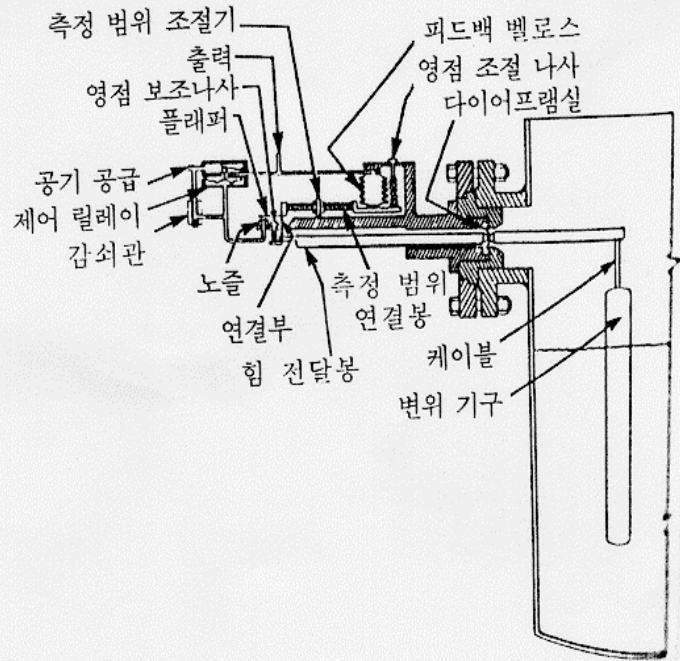
(a) 부력을 다이어프램의 지지점으로 하여 검출



(b) 부력에 의한 모멘트를 토크 튜브에 의해 검출



(c) 스프링식 변위형



(d) 다이어프램식 변위형

가

$$F = \rho q A (H - h) - W$$

F 가 (N), ρ (Kg/m³),
 q 가 (m/s²), A (m²), H (m),
 h (m),
 W (N) .

, Seal

가)

- 1) , .
- 2) , 가 가 .
- 3) .
- 4) .
- 5) 가 .
- 6) 가 .

). (Tape Ploat)

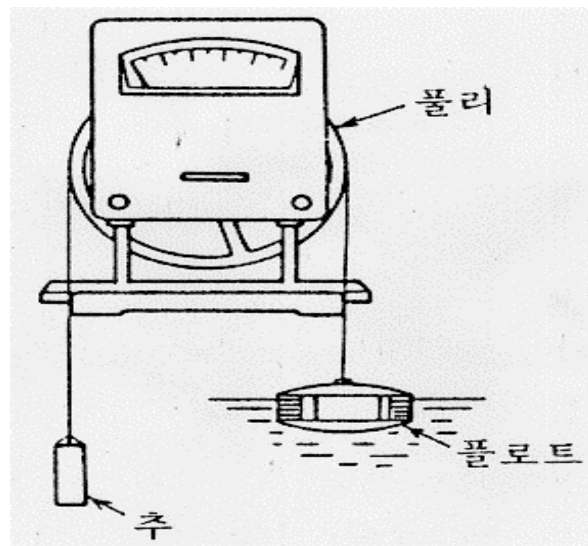
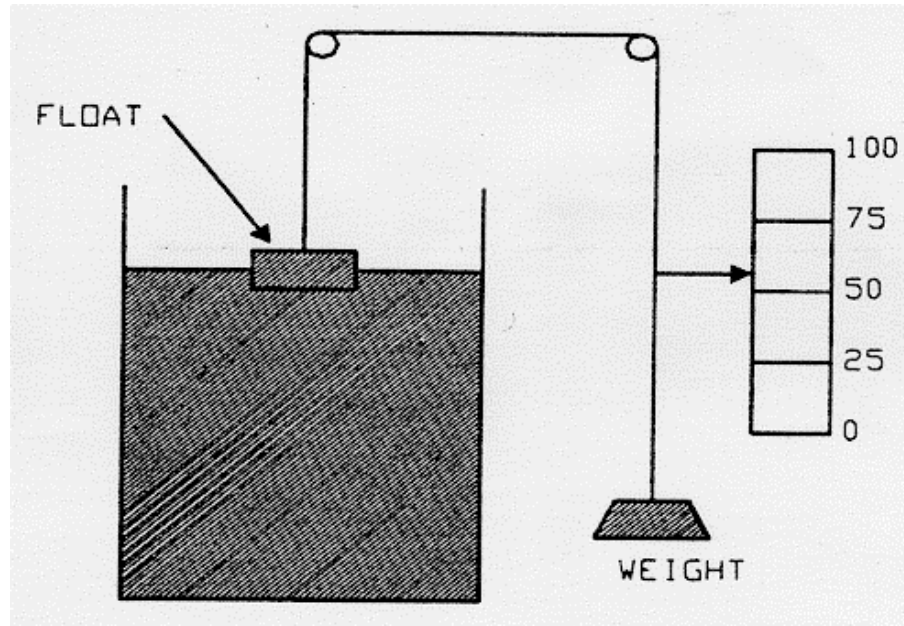
가

(counter

Weight)

가

가 , -
가 .



3-1

4.

가
가
가
(導壓)

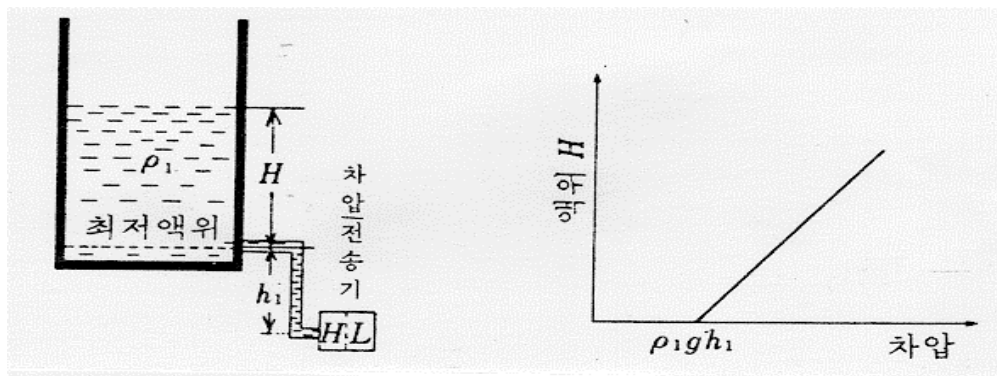
가)

4-1

(), , 가 가
.

$$P = p_1 g (H + h_1)$$

P () {Pa}, p_1 {Kg / m² }, g 가 (m / s²)
H (m), h (m)



4-1

)

4-2

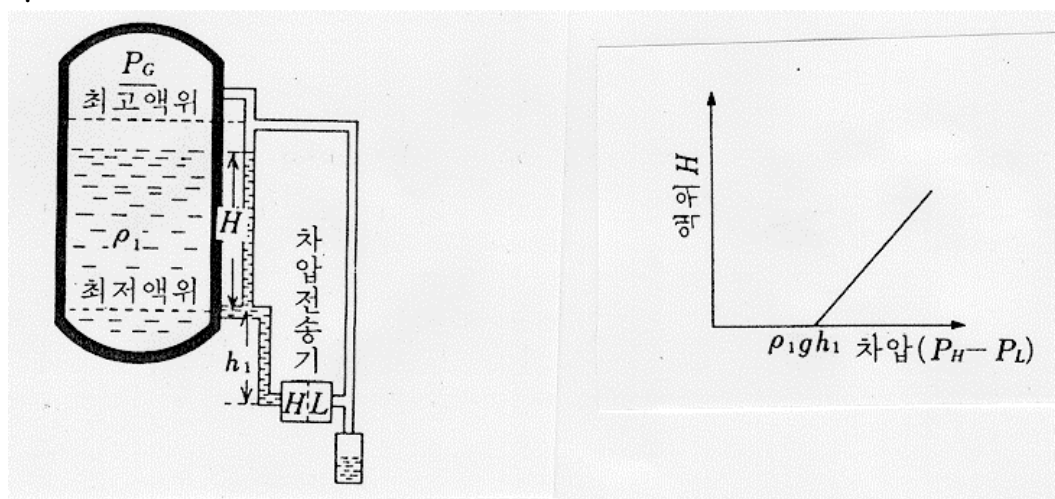
$$P_H = \rho_1 g (H + h_1) + P_G$$

$$P_L = P_G$$

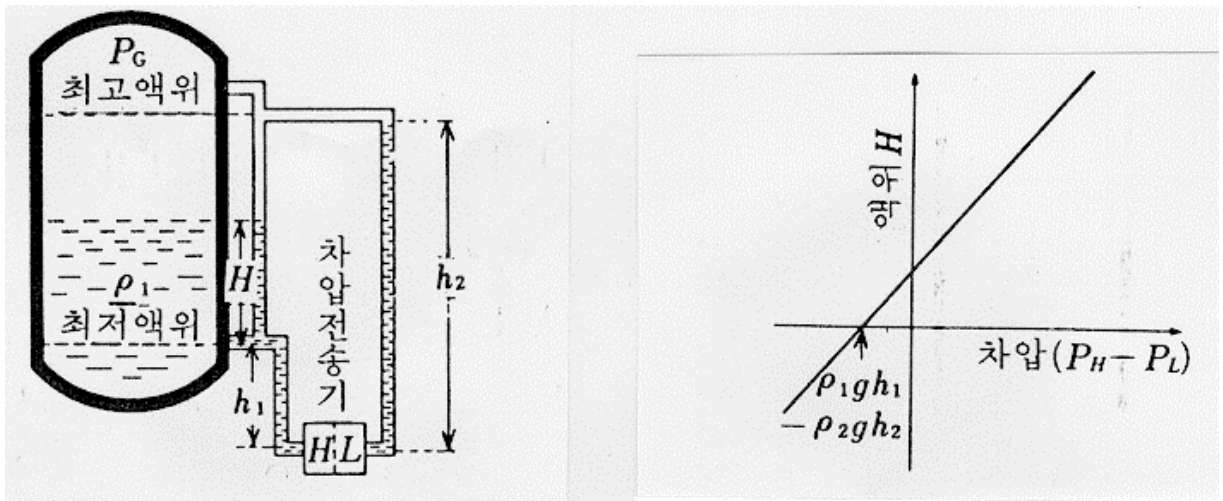
$$P_H - P_L = \rho_1 g (H + h_1)$$

P_G

4-3



4-2



4-3

$$P_H = \rho_1 g (H + h_1) + P_G$$

$$P_S = \rho_2 g h_2 + P_G$$

$$P_H - P_L = \rho_1 g (H + h_1) - \rho_2 g h_2$$

(m) ρ_2 (kg / m²), h_2

@

1)

2) 가

3)

4) 가

5) (繼手類)

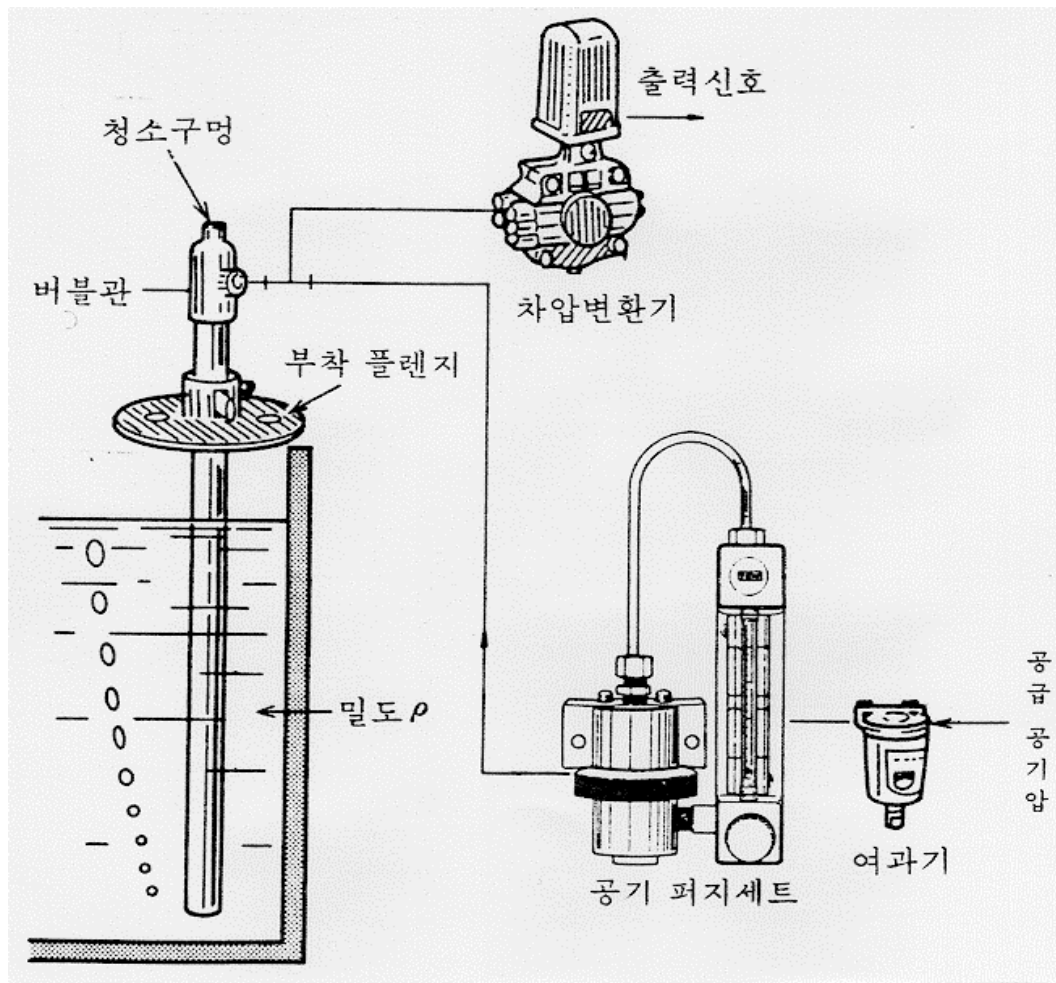
5.

on / off

1 SCFH (Standard Cubic Feet Per Hour)

dp

(軟鋼),



5-1

@

- 1) 가 .
 - 2) 가 .
 - 3) .
 - 4) 가 .
- 가

6.

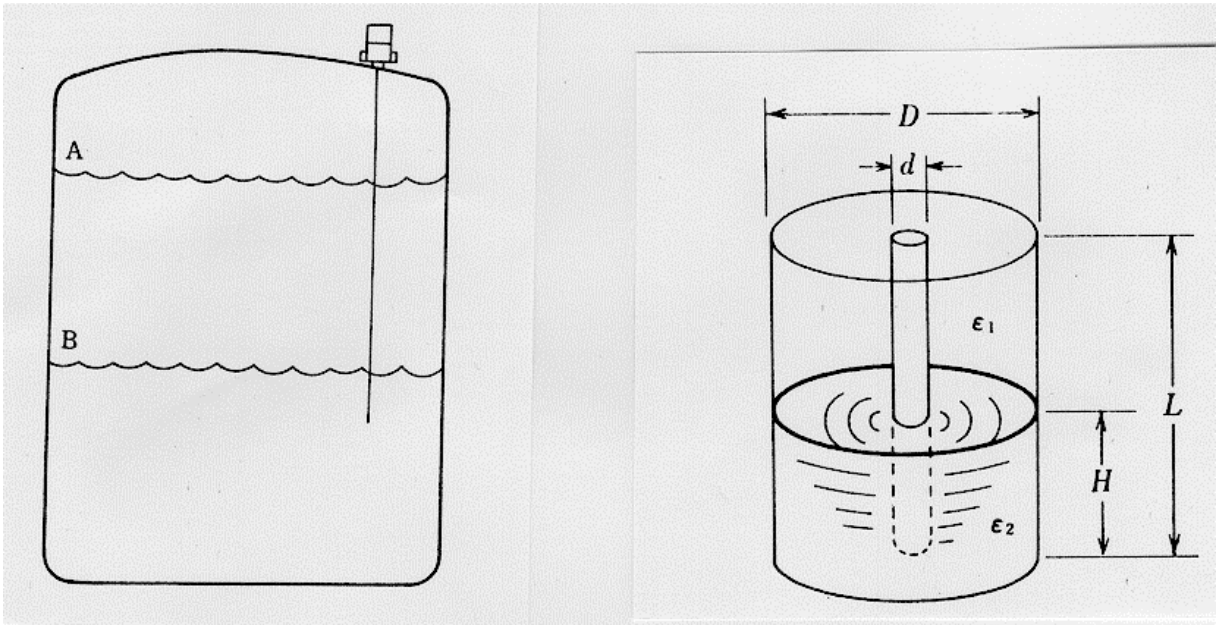
.
 2
 ,
 .
 가 가 ,
 가 .

$$C = KA/d$$
 A , d , K 6-1
 .
 가 가 2
 가
 . (, $C_t = C_1 + C_2 + \dots + C_n$)
 가 $(1/C_t)$
 (, $1/C_t = 1/C_1 + 1/C_2 + \dots + 1/C_n$)
 가 — 가
 가

가

,
가

가



6-1