

短纖維 紡績技術(43)

()

6.

6.1

2 ~ 40

가

50 ~ 140g

)가

,

(

空

,

가

가

가

(

47,)

()

(),

(underwinding position; 48, b)

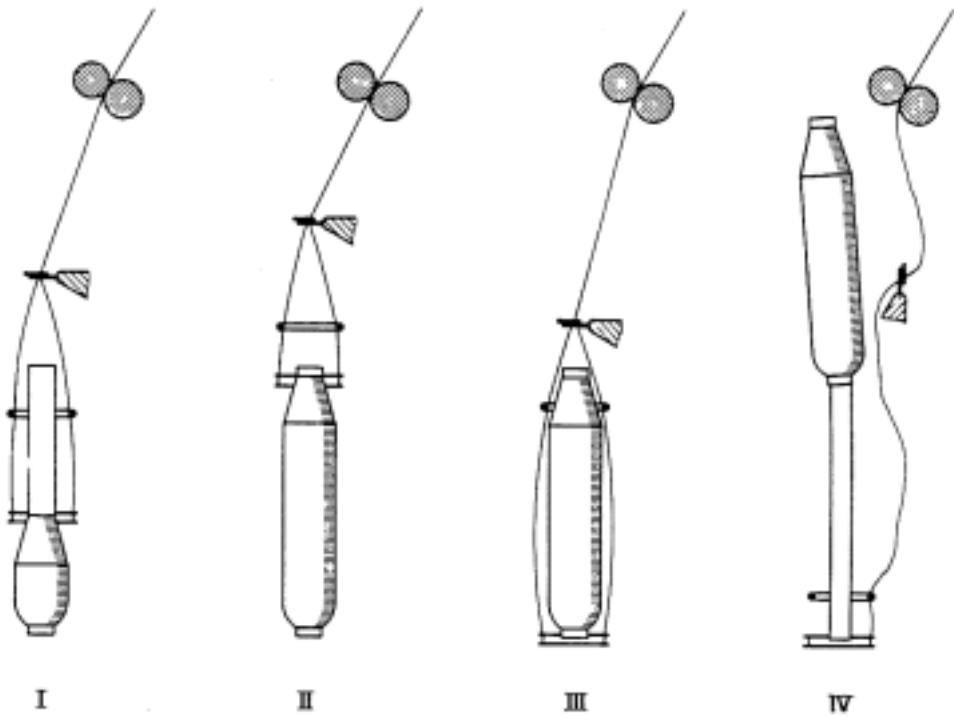
(a)

(return winding; 49, 1)

3

4

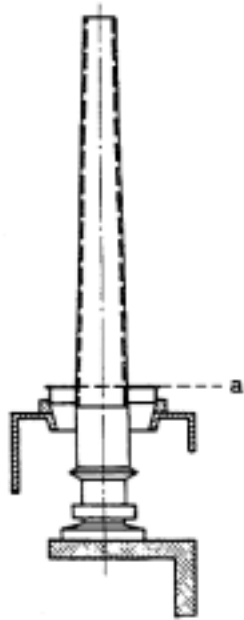
1½ ~ 2



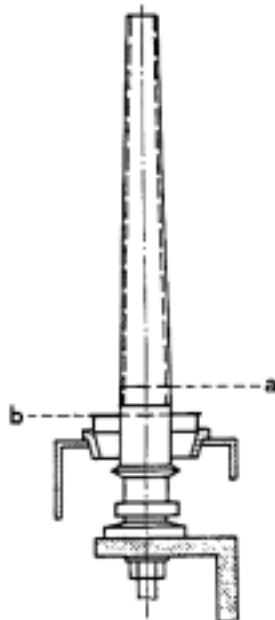
< 47>

(b)

(bunch)



< 48> (b)



(a)

6.2

가

가

(box)

가

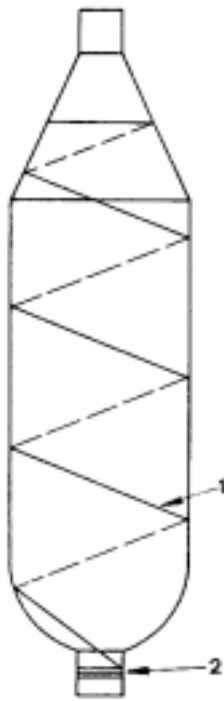
가

, 가

가

가 . 가 ,

가 .



< 49>

(1)

(2)

6.3

6.3.1

가

:

○

(stationary doffer),

○ 가 (travelling doffer).

가 ,

가

가

,

,

6.3.2

.(50)

○ 가 ,

(peg) (T)

O

$$(\text{nipple})(Z) \quad (\text{B})$$

○ 가 ,

(G)

○ (donning)

O

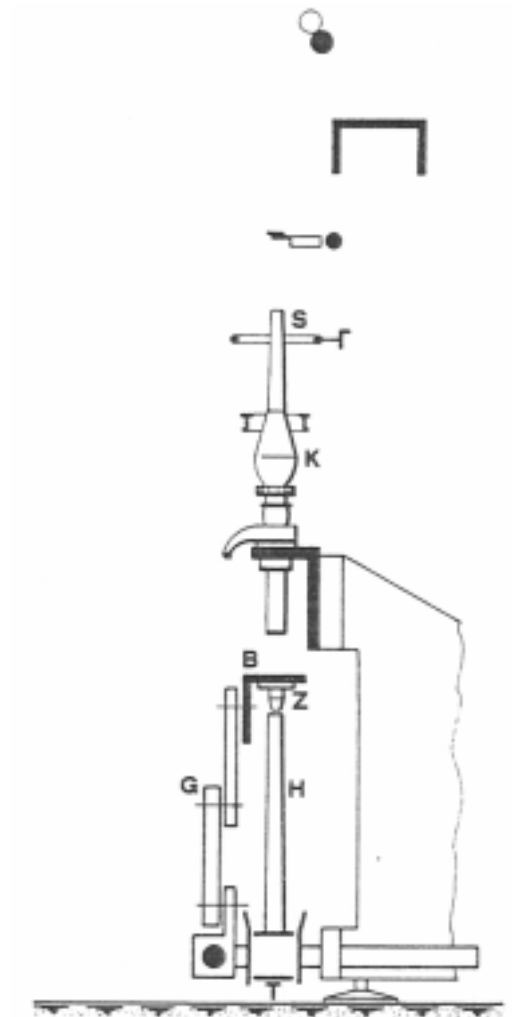
6.3.3

가

(T)가

가

가



6.3.4

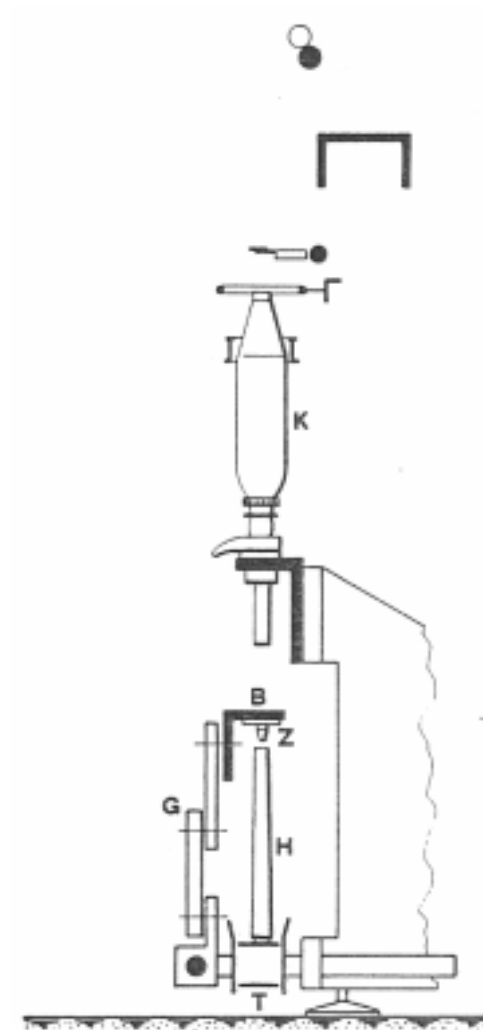
.(51)

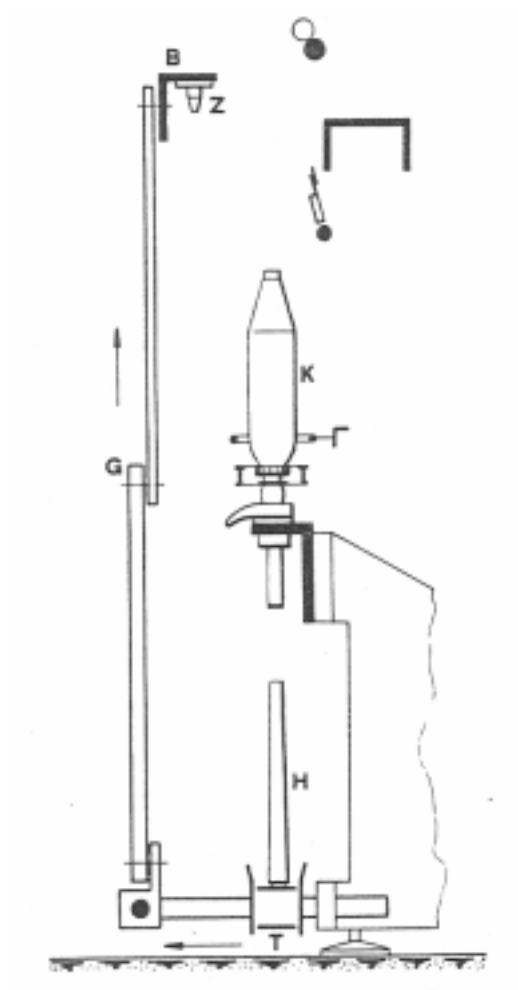
(G)

(B)

.(52)

가





< 52> (B)

(53),

(T)

(54),

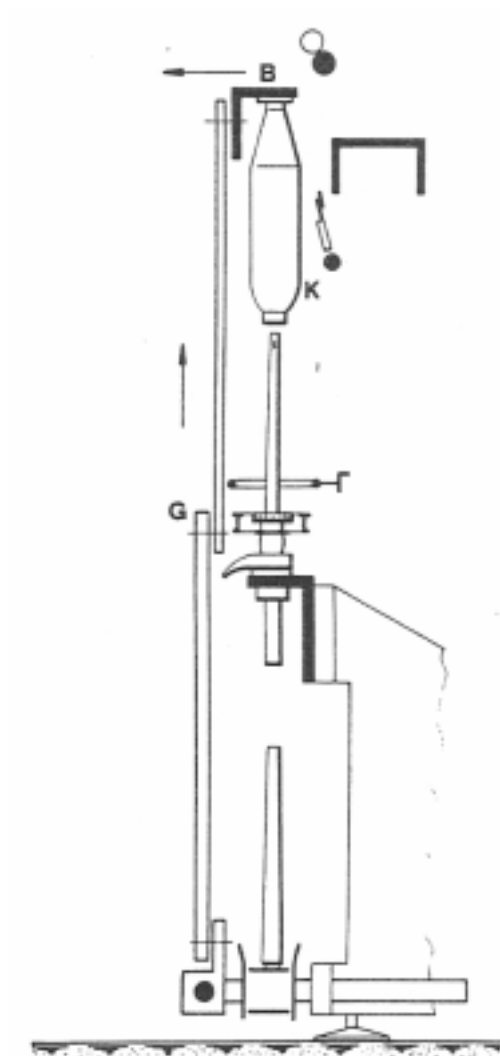
6.3.5 (55 56)

半

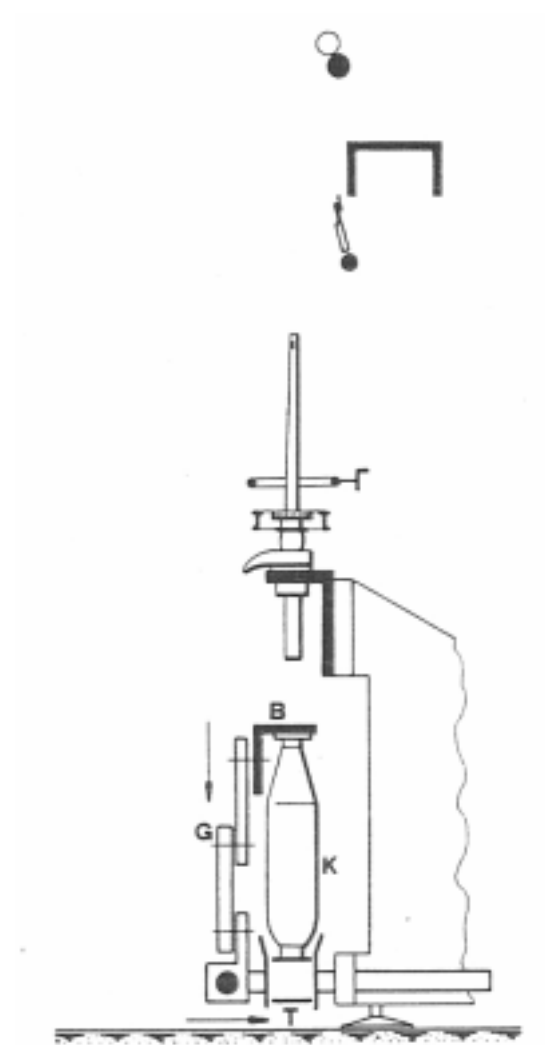
가

가

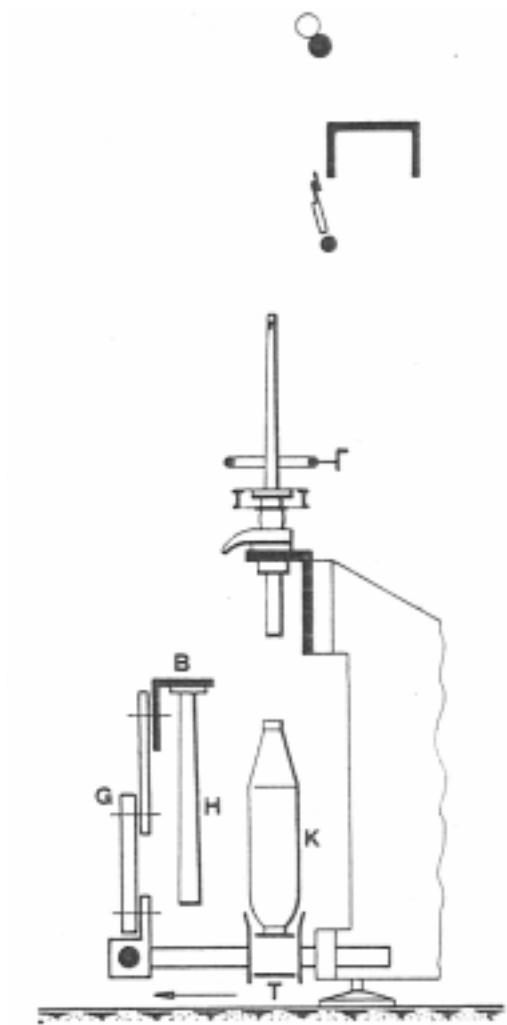
가



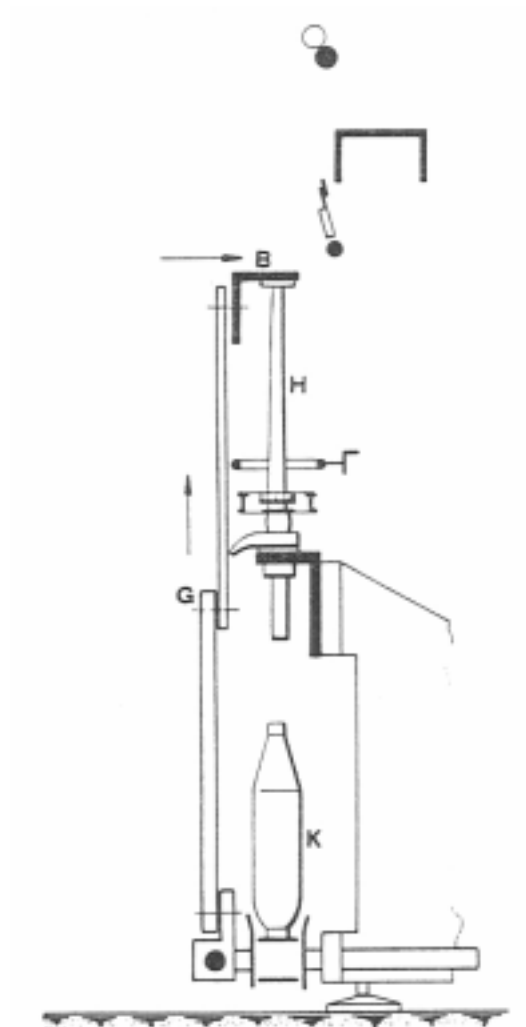
< 53> (K)



< 54> (K)



< 55> (H)

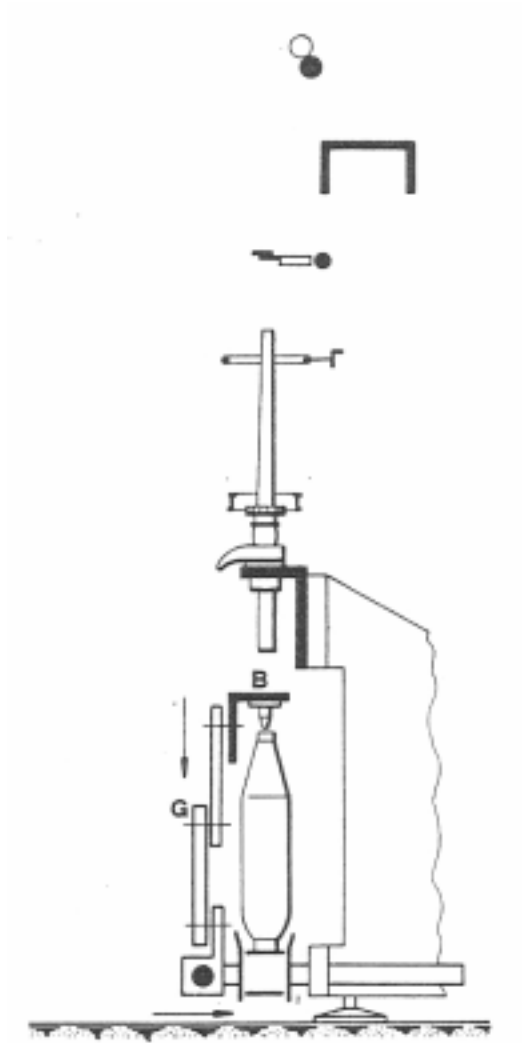


< 56>

6.3.6 (57)

가 .

,



< 57>

7.

7.1

,

.

:

-

-

-

-

가

50%가

가

가

가

7.2 가 가

-

:

가

-

:

가

- :
가 , 가
가

- : (thread break aspirator)
가

- 時 : , 100%
가

- 時 : 가 가 , 가

- :
가
- : 가

- :
가 , 가

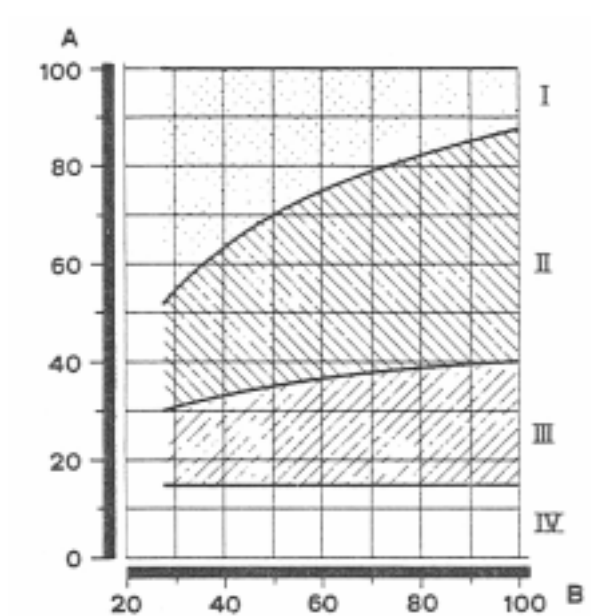
- :
가 가 ,

- : Zellweger Uster社 Ringdata System

• : Zellweger Uster社 Ringdata System

• : 가

가 가
 , 가 가
 가 가
 , ,
 ()



< 58>

(A: , B: (Nm), : , : , :)

< 58>

15

1,000

20

()

,

가

(

)

.

7.3

7.3.1

가

가

.

가

가

. 가

,

.

,

가

(return air-flow)

,

가

.

50%

.

< 59>

(K)

(D)

.

(V)

.

(A)

가

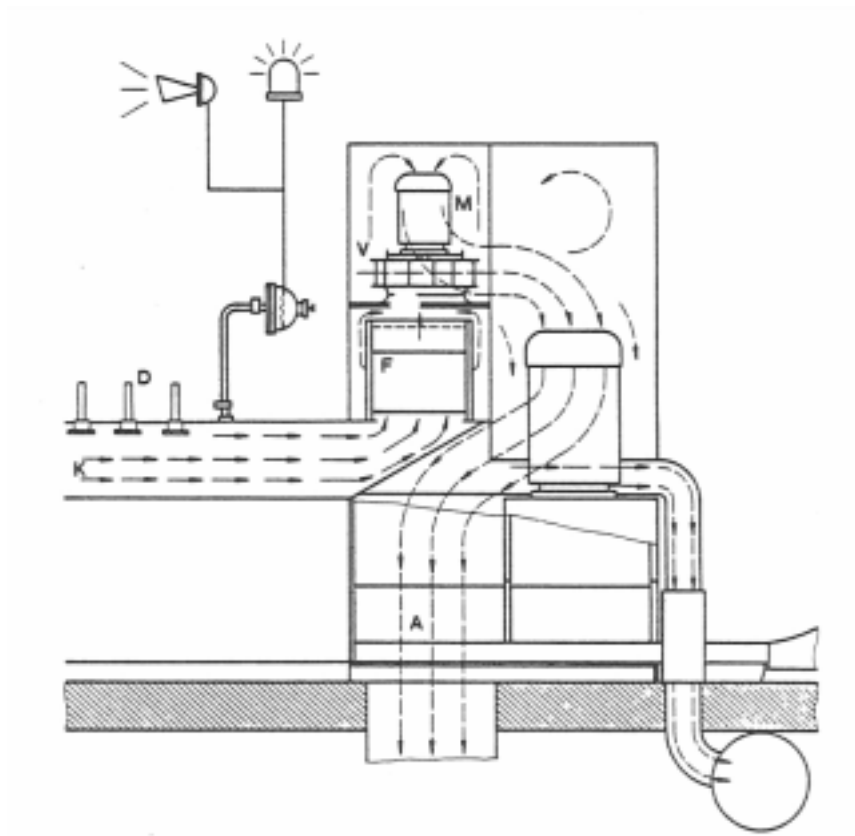
(F)

.

.

가

.

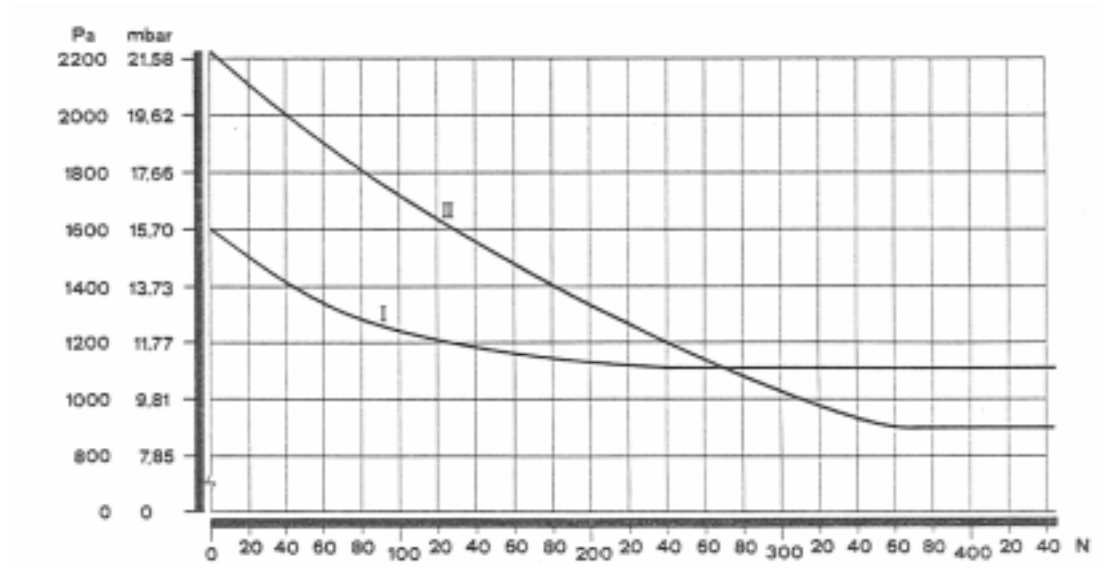


< 59>

7.3.2

[
800Pa(7.85 mbar), 1,200 Pa(11.77 mbar)]가
가
가 (60),
5
~10 m³/hr
가
1/3
10 m³/hr 6 m³/hr

4.5



(Nspi : , : 가 , : 가)

< 60>