

PRÉSERVER
SAUVEGARDER
VALORISER

VALVE PULMONAIRE

FICHE N° 2803

Période de fabrication : 1950-1974

Fabricant : HANS RUDOLPH Inc.

Domaines : Santé

Sous-domaines : Médecine, Anesthésie

Organisme : Centre Hospitalier Universitaire de Nantes

Ville : Nantes

Modèle : 1400

Matériaux : Plastique Plexiglas, marque déposée, Métal, Silicone

Description

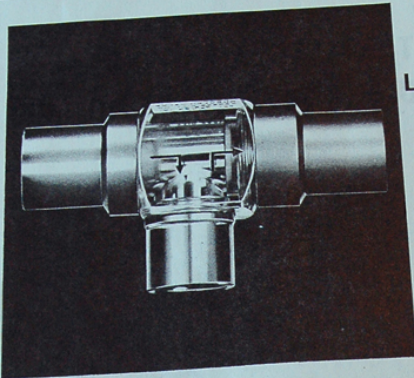
Cette valve pulmonaire HANS RUDOLPH 1400 est tricuspide car elle est munie de trois valves. Cet élément permet de régler le flux de fluides et notamment d'éviter les reflux et la ré-inspiration des liquides. Les valves sont séparées par un diaphragme spiralé en silicone moulé. Fabriqué en plexiglas, le corps de l'appareil permet de voir son fonctionnement.

Utilisation

Cette valve a été utilisée par le service d'anesthésie-réanimation de l'Hôpital de l'Hôtel-Dieu - CHU de Nantes. Elle a servie à l'étude des fonctions pulmonaires.





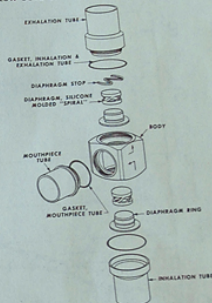


RUDOLPH LOW DEAD SPACE PULMONARY VALVE

MODEL NO. 1400

See Price List for Model No. 1500
with all ports 22mm O.D. &
15mm I.D. Medical Tapers

LOW DEAD SPACE PULMONARY VALVE #1400



Assembly and replacement
parts information is
available upon request.

DESCRIPTION

This non-rebreathing, low dead space valve offers extraordinary features desired in pulmonary function studies. It has been widely accepted in field use for over eight years.

The especially-designed inhalation and exhalation valves are **spiral diaphragms** (Patent No. 3063461) molded from silicone rubber. They provide the very minimum of flow resistance and a much longer life than rubber. With this sensitive yet simple construction, the valve provides prolonged, flawless operation **in any position**, allowing freedom of choice in accessory equipment. The transparent **plastic body** provides clear vision of the working diaphragms.

A nitrogen sampling metering valve (Part No. 1600) adaptable to the mouth piece port is available as an accessory. See separate sheet for description.

SPECIFICATIONS

FITTING SIZES: 1" O.D. for large bore tube.
Patient Connection: 15/16" O.D.; 3/4" I.D.
VALVING: Non-sticking, molded spiral silicone
rubber against nylon seat.

OPENING PRESSURE OF INSPIRATORY AND EXPIRATORY
VALVES: Less than 1/2 cm. H₂O (Resistance is
1 cm. H₂O at 30 LPM)

DEAD SPACE: 18 ml. maximum

SIZE: Over-all, 4" x 2-1/8" x 1-1/4"

WEIGHT: 68 grams

See Price List for Model No.
1900 with Sampling Tubes
on Exhalation Tube and
Body Chamber.



DIAPHRAGM AND RING



HANS RUDOLPH, INC. 7200 WYANDOTTE KANSAS CITY, MO. 64114

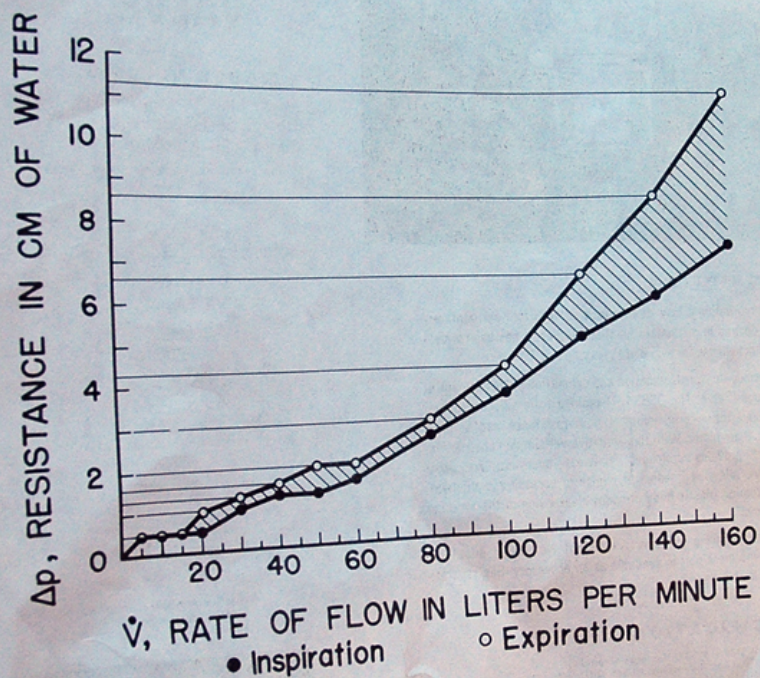
M. S. R.
Médical Service Rhône

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TYPICAL RESISTANCE TO AIR FLOW LOW DEAD SPACE, PULMONARY VALVE NO. 1400



Pour nous citer :

Base de la Mission nationale de sauvegarde et de valorisation du patrimoine scientifique et technique contemporain, PATSTEC, Valve pulmonaire (HANS RUDOLPH Inc.), <https://www.patstec.fr/ressources/objets/detail?id=3483>, consulté le 2026-07-22